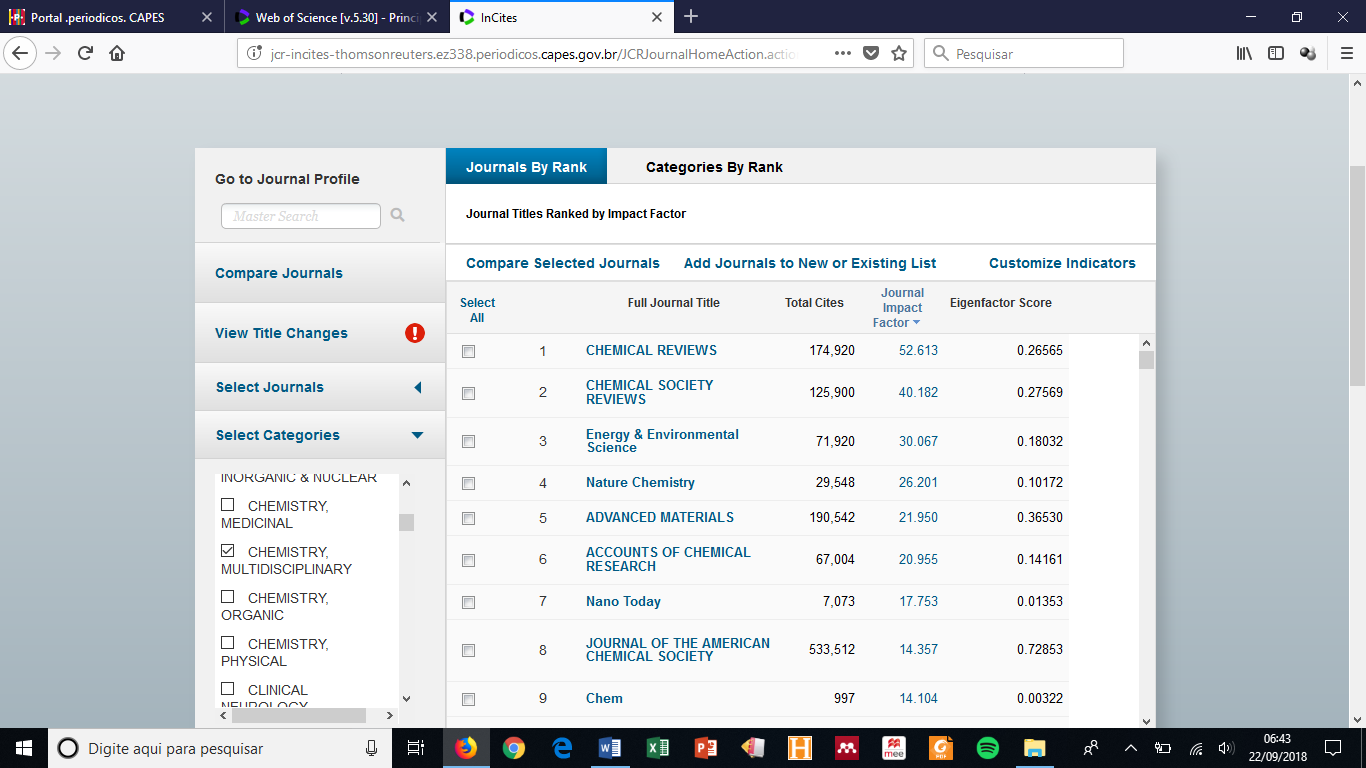
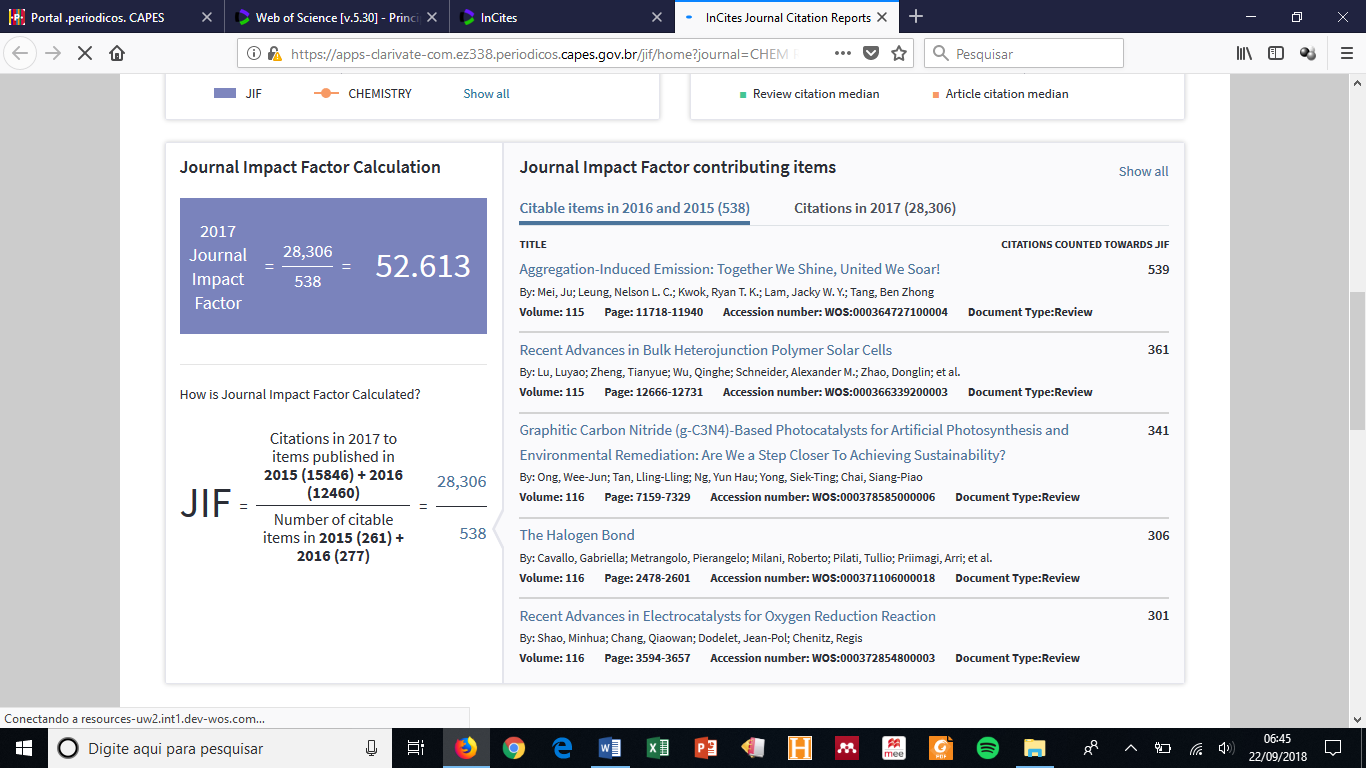
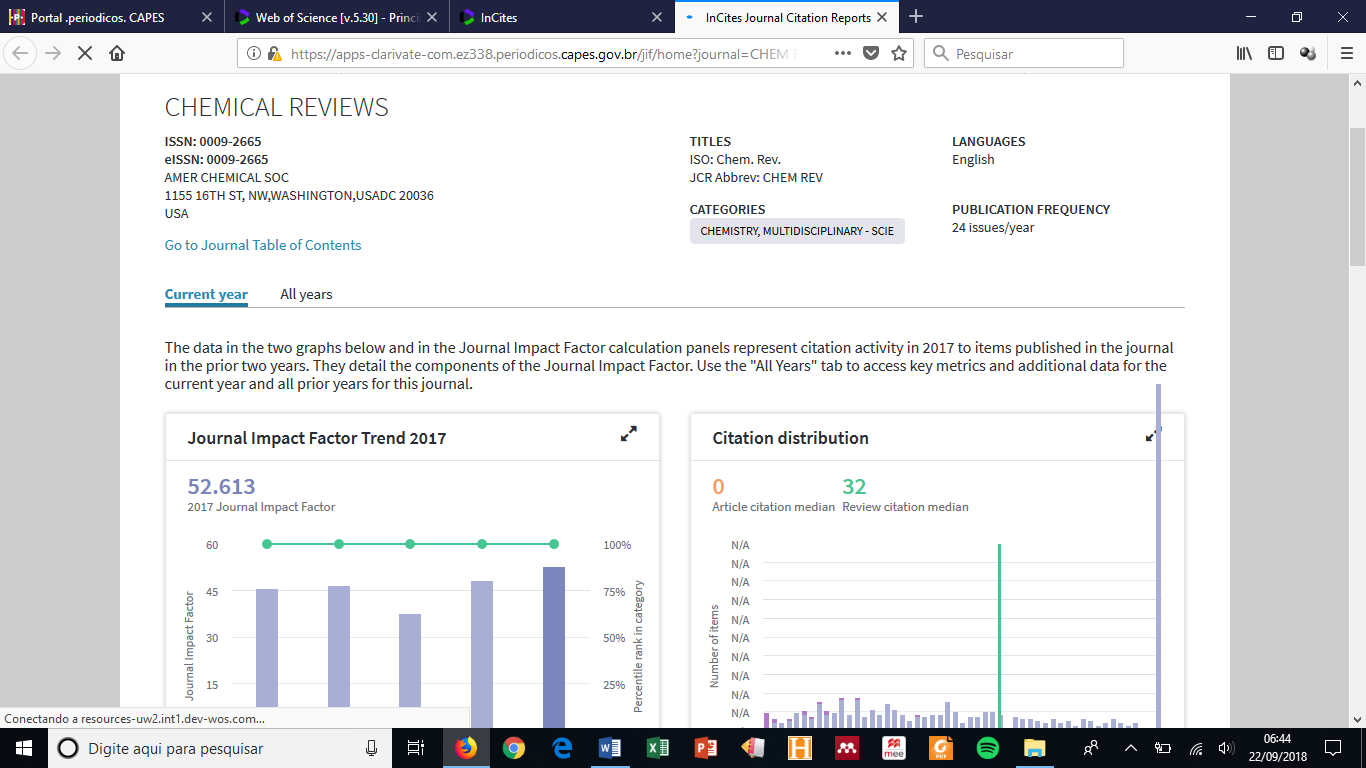


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Accession number: WOS:000348689400009

Document Type:Review

[Halogen Bonding in Supramolecular Chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359613600004)

NO ABSTRACT

127

By: Gilday, Lydia C.; Robinson, Sean W.; Barendt, Timothy A.; Langton, Matthew J.; Mullaney, Benjamin R.; et al.

Volume: 115

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Accession number: WOS:000359613600004

Document Type:Review

[CO2 Hydrogenation to Formate and Methanol as an Alternative to Photo- and Electrochemical CO2 Reduction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366339200009)

NO ABSTRACT

126

By: Wang, Wan-Hui; Himeda, Yuichiro; Muckerman, James T.; Manbeck, Gerald F.; Fujita, Etsuko

Volume: 115

Page: 12936-12973

Accession number: WOS:000366339200009

Document Type:Review

[Trifluoromethyltrimethylsilane: Nucleophilic Trifluoromethylation and Beyond](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348689400006)

NO ABSTRACT

125

By: Liu, Xiao; Xu, Cong; Wang, Mang; Liu, Qun

Volume: 115

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Accession number: WOS:000348689400006

Document Type:Review

1. [Fundamentals and Catalytic Applications of CeO2-Based Materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376824900004)

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By: Montini, Tiziano; Melchionna, Michele; Monai, Matteo; Fornasiero, Paolo

Volume: 116

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Accession number: WOS:000376824900004

Document Type:Review

[Carbon Nanomaterials for Biological Imaging and Nanomedicinal Therapy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363002300009)

NO ABSTRACT

124

By: Hong, Guosong; Diao, Shuo; Antaris, Alexander L.; Dai, Hongjie

Volume: 115

Page: 10816-10906

Accession number: WOS:000363002300009

Document Type:Review

1. [Targeted Drug Delivery with Polymers and Magnetic Nanoparticles: Covalent and Noncovalent Approaches, Release Control, and Clinical Studies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375888300013)

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By: Ulbrich, Karel; Hola, Katerina; Subr, Vladimir; Bakandritsos, Aristides; Tucek, Jiri; et al.

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Accession number: WOS:000375888300013

Document Type:Review

[Nanomedicine Applications of Hybrid Nanomaterials Built from Metal-Ligand Coordination Bonds: Nanoscale Metal-Organic Frameworks and Nanoscale Coordination Polymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363002300015)

NO ABSTRACT

124

By: He, Chunbai; Liu, Demin; Lin, Wenbin

Volume: 115

Page: 11079-11108

Accession number: WOS:000363002300015

Document Type:Review

[Light-Emitting Self-Assembled Materials Based on d(8) and d(10) Transition Metal Complexes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359613600011)

NO ABSTRACT

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By: Yam, Vivian Wing-Wah; Au, Vonika Ka-Man; Leung, Sammual Yu-Lut

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Accession number: WOS:000359613600011

Document Type:Review

[The Golden Age of Transfer Hydrogenation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357963900007)

NO ABSTRACT

122

By: Wang, Dong; Astruc, Didier

Volume: 115

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Accession number: WOS:000357963900007

Document Type:Review

[Bioinspired Surfaces with Superwettability: New Insight on Theory, Design, and Applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360321300003)

NO ABSTRACT

122

By: Wang, Shutao; Liu, Kesong; Yao, Xi; Jiang, Lei

Volume: 115

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Accession number: WOS:000360321300003

Document Type:Review

[Supramolecular Polymers: Historical Development, Preparation, Characterization, and Functions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359613600005)

NO ABSTRACT

122

By: Yang, Liulin; Tan, Xinxin; Wang, Zhiqiang; Zhang, Xi

Volume: 115

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Accession number: WOS:000359613600005

Document Type:Review

[Broad Family of Carbon Nanoallotropes: Classification, Chemistry, and Applications of Fullerenes, Carbon Dots, Nanotubes, Graphene, Nanodiamonds, and Combined Superstructures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356316300005)

NO ABSTRACT

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By: Georgakilas, Vasilios; Perman, Jason A.; Tucek, Jiri; Zboril, Radek

Volume: 115

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Accession number: WOS:000356316300005

Document Type:Review

[Carbon-Supported Pt-Based Alloy Electrocatalysts for the Oxygen Reduction Reaction in Polymer Electrolyte Membrane Fuel Cells: Particle Size, Shape, and Composition Manipulation and Their Impact to Activity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354906800007)

NO ABSTRACT

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By: Wang, Yan-Jie; Zhao, Nana; Fang, Baizeng; Li, Hui; Bi, Xiaotao T.; et al.

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Accession number: WOS:000354906800007

Document Type:Review

[Modern Organic Synthesis with alpha-Diazocarbonyl Compounds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361935700007)

NO ABSTRACT

118

By: Ford, Alan; Miel, Hugues; Ring, Aoife; Slattery, Catherine N.; Maguire, Anita R.; et al.

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Accession number: WOS:000361935700007

Document Type:Review

[Molecular Catalysts for Water Oxidation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366339200010)

NO ABSTRACT

117

By: Blakemore, James D.; Crabtree, Robert H.; Brudvig, Gary W.

Volume: 115

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Accession number: WOS:000366339200010

Document Type:Review

[Nanomaterials for Theranostics: Recent Advances and Future Challenges](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348093800008)

NO ABSTRACT

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By: Lim, Eun-Kyung; Kim, Taekhoon; Paik, Soonmyung; Haam, Seungjoo; Huh, Yong-Min; et al.

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Accession number: WOS:000348093800008

Document Type:Review

[Transition-Metal-Catalyzed Direct Addition of Unactivated C-H Bonds to Polar Unsaturated Bonds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354906800008)

NO ABSTRACT

116

By: Yang, Lei; Huang, Hanmin

Volume: 115

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Accession number: WOS:000354906800008

Document Type:Review

[Good Partnership between Sulfur and Fluorine: Sulfur-Based Fluorination and Fluoroalkylation Reagents for Organic Synthesis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348689400008)

NO ABSTRACT

116

By: Ni, Chuanfa; Hu, Mingyou; Hu, Jinbo

Volume: 115

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Accession number: WOS:000348689400008

Document Type:Review

[Supramolecular Amphiphiles Based on Host-Guest Molecular Recognition Motifs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359613600006)

NO ABSTRACT

114

By: Yu, Guocan; Jie, Kecheng; Huang, Feihe

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Accession number: WOS:000359613600006

Document Type:Review

1. [Bimetallic Nanocrystals: Syntheses, Properties, and Applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384518600003)

114

By: Gilroy, Kyle D.; Ruditskiy, Aleksey; Peng, Hsin-Chieh; Qin, Dong; Xia, Younan

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Accession number: WOS:000384518600003

Document Type:Review

[Lanthanide Nanoparticles: From Design toward Bioimaging and Therapy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363002300008)

NO ABSTRACT

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By: Dong, Hao; Du, Shuo-Ren; Zheng, Xiao-Yu; Lyu, Guang-Ming; Sun, Ling-Dong; et al.

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Accession number: WOS:000363002300008

Document Type:Review

[Nanoparticle Probes for the Detection of Cancer Biomarkers, Cells, and Tissues by Fluorescence](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363002300004)

NO ABSTRACT

113

By: Chinen, Alyssa B.; Guan, Chenxia M.; Ferrer, Jennifer R.; Barnaby, Stacey N.; Merkel, Timothy J.; et al.

Volume: 115

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Accession number: WOS:000363002300004

Document Type:Review

[Electrolytes in Dye-Sensitized Solar Cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351187400003)

NO ABSTRACT

112

By: Wu, Jihuai; Lan, Zhang; Lin, Jianming; Huang, Miaoliang; Huang, Yunfang; et al.

Volume: 115

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Accession number: WOS:000351187400003

Document Type:Review

1. [Molecular-Scale Electronics: From Concept to Function](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374274700005)

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By: Xiang, Dong; Wang, Xiaolong; Jia, Chuancheng; Lee, Takhee; Guo, Xuefeng

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Accession number: WOS:000374274700005

Document Type:Review

[New Developments in Liposomal Drug Delivery](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363002300011)

NO ABSTRACT

112

By: Pattni, Bhushan S.; Chupin, Vladimir V.; Torchilin, Vladimir P.

Volume: 115

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Accession number: WOS:000363002300011

Document Type:Review

1. [Intriguing Optoelectronic Properties of Metal Halide Perovskites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387625200005)

110

By: Manser, Joseph S.; Christians, Jeffrey A.; Kamat, Prashant V.

Volume: 116

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Accession number: WOS:000387625200005

Document Type:Review

[Copper-Catalyzed C-H Functionalization Reactions: Efficient Synthesis of Heterocycles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349576200008)

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By: Guo, Xun-Xiang; Gu, Da-Wei; Wu, Zhengxing; Zhang, Wanbin

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Accession number: WOS:000349576200008

Document Type:Review

[Recent Advancement of Nanostructured Carbon for Energy Applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356316300012)

108

By: Yang, Zhibin; Ren, Jing; Zhang, Zhitao; Chen, Xuli; Guan, Guozhen; et al.

Volume: 115

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Accession number: WOS:000356316300012

Document Type:Review

[Single and Coupled Electrochemical Processes and Reactors for the Abatement of Organic Water Pollutants: A Critical Review](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367563000005)

108

By: Martinez-Huitle, Carlos A.; Rodrigo, Manuel A.; Sires, Ignasi; Scialdone, Onofrio

Volume: 115

Page: 13362-13407

Accession number: WOS:000367563000005

Document Type:Review

[Carbon Trifluoromethylation Reactions of Hydrocarbon Derivatives and Heteroarenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350192900005)

107

By: Alonso, Concepcion; Martinez de Marigorta, Eduardo; Rubiales, Gloria; Palacios, Francisco

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Accession number: WOS:000350192900005

Document Type:Review

[Late Transition Metal-Catalyzed Hydroamination and Hydroamidation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352750600004)

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By: Huang, Liangbin; Arndt, Matthias; Goossen, Kaethe; Heydt, Heinrich; Goossen, Lukas J.

Volume: 115

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Accession number: WOS:000352750600004

Document Type:Review

[Supramolecular Helical Systems: Helical Assemblies of Small Molecules, Foldamers, and Polymers with Chiral Amplification and Their Functions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000388913000011)

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By: Yashima, Eiji; Ousaka, Naoki; Taura, Daisuke; Shimomura, Kouhei; Ikai, Tomoyuki; et al.

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Accession number: WOS:000388913000011

Document Type:Review

[Applications of Continuous-Flow Photochemistry in Organic Synthesis, Material Science, and Water Treatment](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383410100014)

106

By: Cambie, Dario; Bottecchia, Cecilia; Straathof, Natan J. W.; Hessel, Volker; Noel, Timothy

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Accession number: WOS:000383410100014

Document Type:Review

[Dispersion-Corrected Mean-Field Electronic Structure Methods](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375888300008)

106

By: Grimme, Stefan; Hansen, Andreas; Brandenburg, Jan Gerit; Bannwarth, Christoph

Volume: 116

Page: 5105-5154

Accession number: WOS:000375888300008

Document Type:Review

[Iron Oxide Based Nanoparticles for Multimodal Imaging and Magnetoresponsive Therapy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363002300006)

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By: Lee, Nohyun; Yoo, Dongwon; Ling, Daishun; Cho, Mi Hyeon; Hyeon, Taeghwan; et al.

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Accession number: WOS:000363002300006

Document Type:Review

[Carbon-Carbon Bond Forming Reactions via Photogenerated Intermediates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383410100007)

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By: Ravelli, Davide; Protti, Stefano; Fagnoni, Maurizio

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Accession number: WOS:000383410100007

Document Type:Review

[Electrochemistry of Nanostructured Layered Transition-Metal Dichalcogenides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364727100005)

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By: Chia, Xinyi; Eng, Alex Yong Sheng; Ambrosi, Adriano; Tan, Shu Min; Pumera, Martin

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Accession number: WOS:000364727100005

Document Type:Review

[Supramolecular Catalysis in Metal-Ligand Cluster Hosts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354906800002)

101

By: Brown, Casey J.; Toste, F. Dean; Bergman, Robert G.; Raymond, Kenneth N.

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Accession number: WOS:000354906800002

Document Type:Review

[Recent Advances of Catalytic Asymmetric 1,3-Dipolar Cycloadditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356316300017)

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By: Hashimoto, Takuya; Maruoka, Keiji

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Page: 5366-5412

Accession number: WOS:000356316300017

Document Type:Review

[Nonstoichiometric Oxides as Low-Cost and Highly-Efficient Oxygen Reduction/Evolution Catalysts for Low-Temperature Electrochemical Devices](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361935700005)

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By: Chen, Dengjie; Chen, Chi; Baiyee, Zarah Medina; Shao, Zongping; Ciucci, Francesco

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Accession number: WOS:000361935700005

Document Type:Review

[Self-Assembly of Colloidal Nanocrystals: From Intricate Structures to Functional Materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384518600016)

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By: Boles, Michael A.; Engel, Michael; Talapin, Dmitri V.

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Accession number: WOS:000384518600016

Document Type:Review

[Small-Molecule Two-Photon Probes for Bioimaging Applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356316300009)

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By: Kim, Hwan Myung; Cho, Bong Rae

Volume: 115

Page: 5014-5055

Accession number: WOS:000356316300009

Document Type:Review

[Toward Biocompatible Semiconductor Quantum Dots: From Biosynthesis and Bioconjugation to Biomedical Application](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364727100003)

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By: Zhou, Juan; Yang, Yong; Zhang, Chun-yang

Volume: 115

Page: 11669-11717

Accession number: WOS:000364727100003

Document Type:Review

[Gold Nanoparticles for In Vitro Diagnostics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363002300005)

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By: Zhou, Wen; Gao, Xia; Liu, Dingbin; Chen, Xiaoyuan

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Accession number: WOS:000363002300005

Document Type:Review

[Biomedical Applications of Supramolecular Systems Based on Host-Guest Interactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359613600013)

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By: Ma, Xing; Zhao, Yanli

Volume: 115

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Accession number: WOS:000359613600013

Document Type:Review

[Recent Progress on Ferroelectric Polymer-Based Nanocomposites for High Energy Density Capacitors: Synthesis, Dielectric Properties, and Future Aspects](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374274700004)

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By: Prateek; Thakur, Vijay Kumar; Gupta, Raju Kumar

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Accession number: WOS:000374274700004

Document Type:Review

[Inorganic Solid-State Electrolytes for Lithium Batteries: Mechanisms and Properties Governing Ion Conduction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000368323200004)

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By: Bachman, John Christopher; Muy, Sokseiha; Grimaud, Alexis; Chang, Hao-Hsun; Pour, Nir; et al.

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By: Munnik, Peter; de Jongh, Petra E.; de Jong, Krijn P.

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[Photochemical Approaches to Complex Chemotypes: Applications in Natural Product Synthesis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383410100004)

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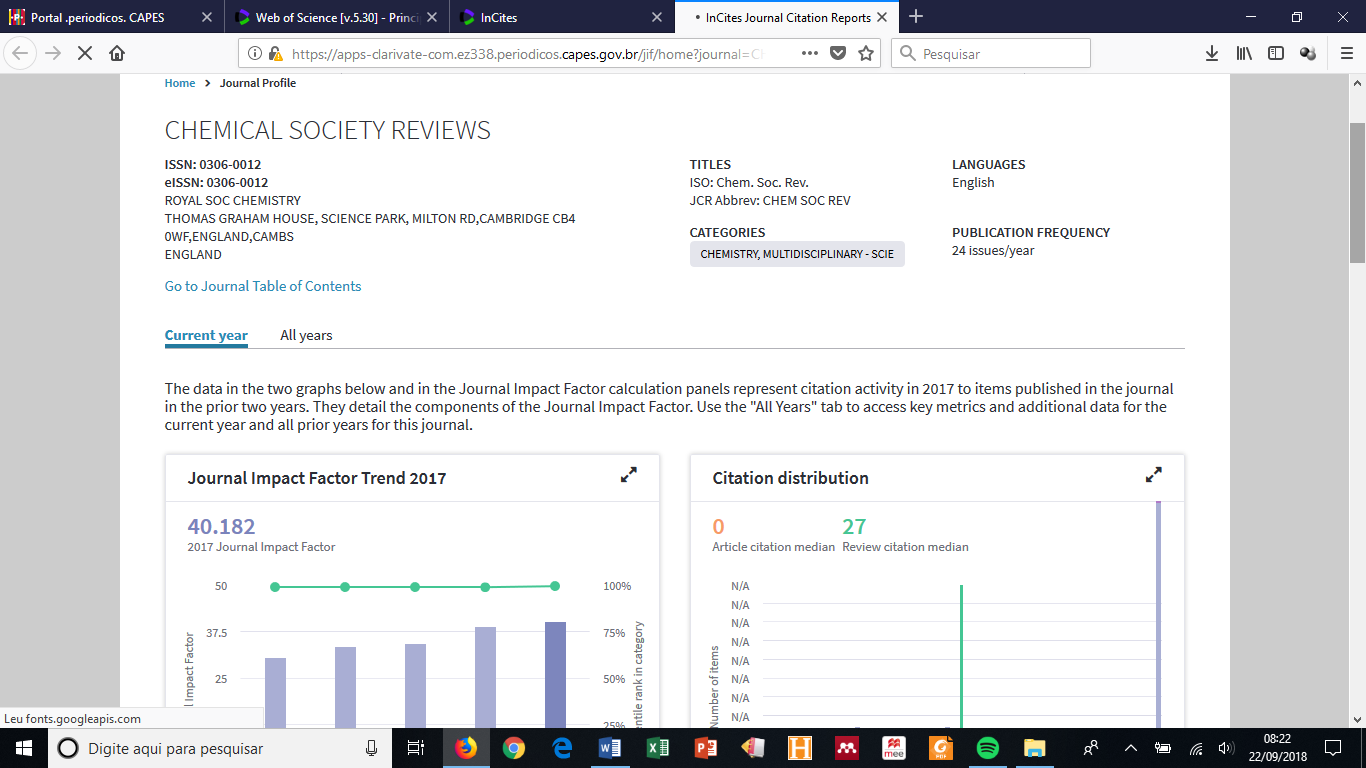
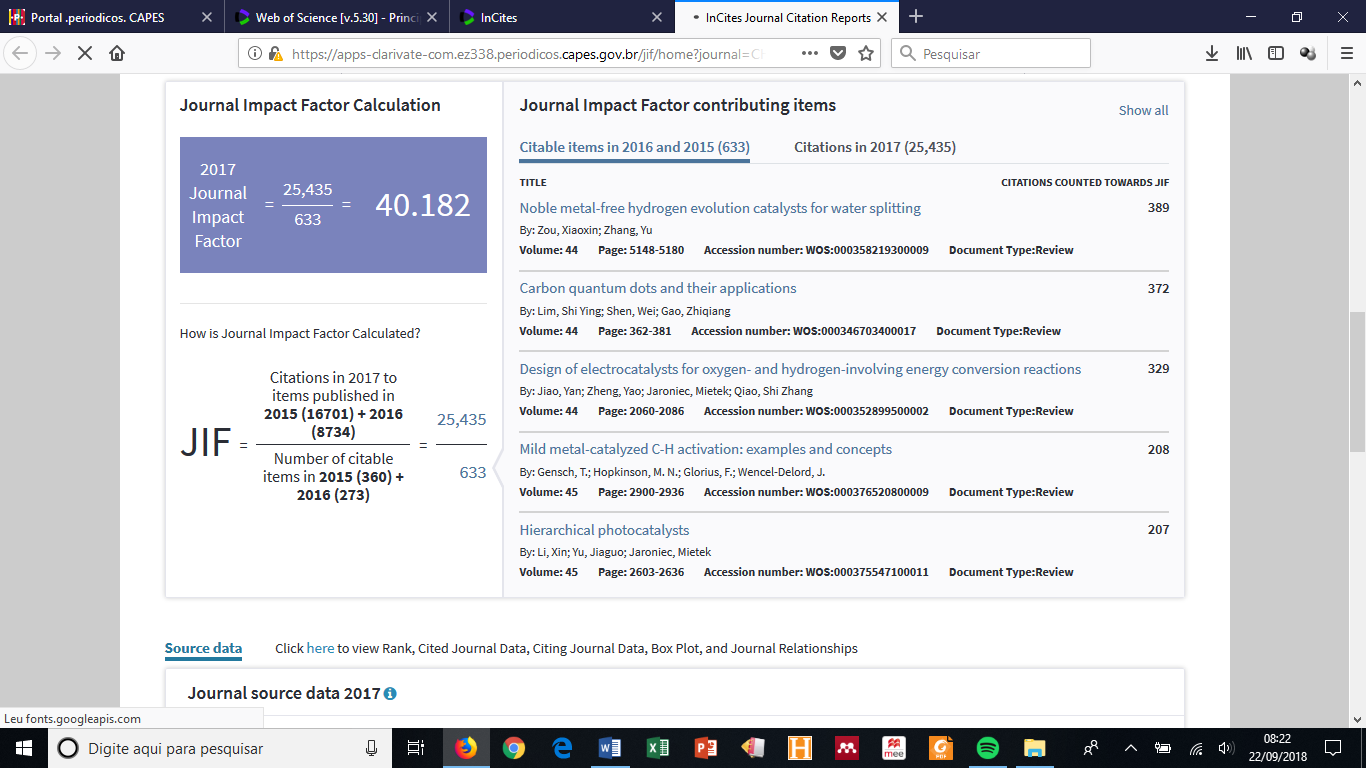
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[The future of organic photovoltaics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703400005)

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Accession number: WOS:000351244800014

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Volume: 44

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Accession number: WOS:000350568000006

Document Type:Review

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Volume: 44

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[Sustainable carbon materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703400013)

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Volume: 44

Page: 250-290

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Document Type:Review

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Volume: 44

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Accession number: WOS:000346703400014

Document Type:Review

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Volume: 44

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[Physical and chemical tuning of two-dimensional transition metal dichalcogenides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353658000007)

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Accession number: WOS:000353658000007

Document Type:Review

[Recent advances in controlled synthesis of two-dimensional transition metal dichalcogenides via vapour deposition techniques](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353658000012)

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By: Shi, Yumeng; Li, Henan; Li, Lain-Jong

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Accession number: WOS:000353658000012

Document Type:Review

[Recent advances in electrochemiluminescence](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354436900015)

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By: Liu, Zhongyuan; Qi, Wenjing; Xu, Guobao

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Accession number: WOS:000354436900015

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[Nanostructured Mn-based oxides for electrochemical energy storage and conversion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348922100007)

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By: Cheng, Pei; Zhan, Xiaowei

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Document Type:Review

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Accession number: WOS:000371604800009

Document Type:Review

[Upconverting nanoparticles: a versatile platform for wide-field two-photon microscopy and multi-modal in vivo imaging](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351244800002)

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Document Type:Review

[Recent progress in the development of fluorescent, luminescent and colorimetric probes for detection of reactive oxygen and nitrogen species](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376520800011)

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Accession number: WOS:000376520800011

Document Type:Review

[Graphene-based membranes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300003)

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Accession number: WOS:000358219300003

Document Type:Review

[Multifunctional metal-organic frameworks: from academia to industrial applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361669700009)

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[Research progress of perovskite materials in photocatalysis- and photovoltaics-related energy conversion and environmental treatment](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300018)

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By: Wang, Wei; Tade, Moses O.; Shao, Zongping

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Document Type:Review

[Core-shell nanoparticles: synthesis and applications in catalysis and electrocatalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363152800005)

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Document Type:Review

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By: Sun, Yongfu; Gao, Shan; Lei, Fengcai; Xie, Yi

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Document Type:Review

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Document Type:Review

[Phonon and Raman scattering of two-dimensional transition metal dichalcogenides from monolayer, multilayer to bulk material](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353658000013)

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[Excited-state intramolecular proton-transfer (ESIPT)-inspired solid state emitters](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367250700009)

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Document Type:Review

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Document Type:Review

[The medicinal chemist's toolbox for late stage functionalization of drug-like molecules](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369532200007)

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By: Cernak, Tim; Dykstra, Kevin D.; Tyagarajan, Sriram; Vachal, Petr; Krska, Shane W.

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Document Type:Review

[Graphitic carbon nitride reloaded'': emerging applications beyond (photo)catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374403800013)

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Document Type:Review

[Zeolite-like metal-organic frameworks (ZMOFs): design, synthesis, and properties](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703400012)

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Document Type:Review

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Document Type:Review

[Fluorescent and colorimetric ion probes based on conjugated oligopyrroles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000005)

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Document Type:Review

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Document Type:Review

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By: Li, Xiaomin; Zhang, Fan; Zhao, Dongyuan

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Document Type:Review

[Improving f-element single molecule magnets](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361669700001)

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Document Type:Review

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By: Bai, Song; Jiang, Jun; Zhang, Qun; Xiong, Yujie

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Document Type:Review

[Metal nanoclusters: novel probes for diagnostic and therapeutic applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364853400010)

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By: Tao, Yu; Li, Mingqiang; Ren, Jinsong; Qu, Xiaogang

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Document Type:Review

[Fluorescent probes and bioimaging: alkali metals, alkaline earth metals and pH](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357691200009)

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Document Type:Review

[Substitution of alcohols by N-nucleophiles via transition metal-catalyzed dehydrogenation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500011)

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Document Type:Review

[Potential and challenges of zeolite chemistry in the catalytic conversion of biomass](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369532200009)

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Accession number: WOS:000369532200009

Document Type:Review

[Photocurrent generation with two-dimensional van der Waals semiconductors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900015)

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Document Type:Review

[Molecules with a sense of logic: a progress report](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000002)

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By: Andreasson, Joakim; Pischel, Uwe

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Document Type:Review

[Applications of water stable metal-organic frameworks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700010)

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Document Type:Review

[Transition metal catalysis in confined spaces](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703600004)

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Document Type:Review

[Light upconverting core-shell nanostructures: nanophotonic control for emerging applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351244800017)

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Document Type:Review

[The nanoparticle biomolecule corona: lessons learned - challenge accepted?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200010)

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Document Type:Review

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Accession number: WOS:000354436900020

Document Type:Review

[Taming hazardous chemistry by continuous flow technology](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700003)

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Document Type:Review

[Low bandgap semiconducting polymers for polymeric photovoltaics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500010)

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By: Liu, Chang; Wang, Kai; Gong, Xiong; Heeger, Alan J.

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Accession number: WOS:000382023500010

Document Type:Review

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Volume: 44

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67

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Document Type:Review

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Volume: 44

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Volume: 44

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Volume: 45

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[Flexible supercapacitors based on paper substrates: a new paradigm for low-cost energy storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300010)

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By: Blanco, Victor; Leigh, David A.; Marcos, Vanesa

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[Formic acid as a hydrogen storage material - development of homogeneous catalysts for selective hydrogen release](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000379437400010)

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[Phase engineering of transition metal dichalcogenides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353658000009)

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By: Voiry, Damien; Mohite, Aditya; Chhowalla, Manish

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[Functionalized hexagonal boron nitride nanomaterials: emerging properties and applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000379437400011)

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[Photoelectrochemical bioanalysis: the state of the art](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348922100008)

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By: Zhao, Wei-Wei; Xu, Jing-Juan; Chen, Hong-Yuan

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[Hydrogen bonding in ionic liquids](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000010)

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Page: 1257-1288

Accession number: WOS:000350568000010

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[Supramolecular polymers constructed by orthogonal self-assembly based on host-guest and metal-ligand interactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348922100012)

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By: Wei, Peifa; Yan, Xuzhou; Huang, Feihe

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Document Type:Review

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[Anion sensing by small molecules and molecular ensembles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100006)

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[Structural design of graphene for use in electrochemical energy storage devices](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200015)

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By: Chen, Kunfeng; Song, Shuyan; Liu, Fei; Xue, Dongfeng

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[Ferrocifen type anti cancer drugs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365530400004)

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By: Jaouen, Gerard; Vessieres, Anne; Top, Siden

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Document Type:Review

[Functional hyperbranched polymers with advanced optical, electrical and magnetic properties](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355925000009)

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By: Wu, Wenbo; Tang, Runli; Li, Qianqian; Li, Zhen

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[The triplet excited state of Bodipy: formation, modulation and application](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365530400010)

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By: Zhao, Jianzhang; Xu, Kejing; Yang, Wenbo; Wang, Zhijia; Zhong, Fangfang

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[Silver-catalysed reactions of alkynes: recent advances](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800007)

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By: Fang, Guichun; Bi, Xihe

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[Current developments in fluorescent PET (photoinduced electron transfer) sensors and switches](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100005)

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Document Type:Review

[Recent advances in the synthesis of nitrogen heterocycles via radical cascade reactions using isonitriles as radical acceptors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900008)

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Document Type:Review

[Unconventional supercapacitors from nanocarbon-based electrode materials to device configurations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381328200010)

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[Industrial applications of nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358892500004)

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Document Type:Review

[Development of fluorescent probes based on protection-deprotection of the key functional groups for biological imaging](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300002)

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[Aqueous dye-sensitized solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900006)

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Document Type:Review

[Cancer biomarker detection: recent achievements and challenges](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354436900009)

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Accession number: WOS:000354436900009

Document Type:Review

[Transition metal-catalyzed C-H functionalization of N-oxyenamine internal oxidants](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000007)

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By: Huang, Huawen; Ji, Xiaochen; Wu, Wanqing; Jiang, Huanfeng

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Document Type:Review

[Peptide self-assembly: thermodynamics and kinetics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385181300005)

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Document Type:Review

[Porous polymer catalysts with hierarchical structures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200007)

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Document Type:Review

[Upconverting nanoparticles: assessing the toxicity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351244800012)

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Document Type:Review

[Electronic structures and theoretical modelling of two-dimensional group-VIB transition metal dichalcogenides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353658000006)

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Document Type:Review

[Applying low-molecular weight supramolecular gelators in an environmental setting - self-assembled gels as smart materials for pollutant removal](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381328200006)

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[Gold-catalyzed transformations of alpha-diazocarbonyl compounds: selectivity and diversity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369532200004)

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By: Liu, Lu; Zhang, Junliang

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Accession number: WOS:000369532200004

Document Type:Review

[Charge transport and mobility engineering in two-dimensional transition metal chalcogenide semiconductors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367250700007)

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By: Li, Song-Lin; Tsukagoshi, Kazuhito; Orgiu, Emanuele; Samori, Paolo

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Accession number: WOS:000367250700007

Document Type:Review

[Fluorescent, MRI, and colorimetric chemical sensors for the first-row d-block metal ions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100014)

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By: Zhu, Hao; Fan, Jiangli; Wang, Benhua; Peng, Xiaojun

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[In vivo delivery, pharmacokinetics, biodistribution and toxicity of iron oxide nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364853400007)

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By: Arami, Hamed; Khandhar, Amit; Liggitt, Denny; Krishnan, Kannan M.

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Document Type:Review

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Document Type:Review

[Noble metal alloy complex nanostructures: controllable synthesis and their electrochemical property](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354436900013)

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By: Liu, Hui-ling; Nosheen, Farhat; Wang, Xun

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Document Type:Review

[New amination strategies based on nitrogen-centered radical chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378260000004)

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By: Xiong, Tao; Zhang, Qian

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Accession number: WOS:000378260000004

Document Type:Review

[Recent advances in automotive catalysis for NOx emission control by small-pore microporous materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900012)

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By: Beale, A. M.; Gao, F.; Lezcano-Gonzalez, I.; Peden, C. H. F.; Szanyi, J.

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Document Type:Review

[Flexible electronics based on inorganic nanowires](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703400010)

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By: Liu, Zhe; Xu, Jing; Chen, Di; Shen, Guozhen

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Accession number: WOS:000346703400010

Document Type:Review

[Reactive oxygen species generating systems meeting challenges of photodynamic cancer therapy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100009)

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Document Type:Review

[Recent developments in carbon nanomaterial sensors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100018)

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Accession number: WOS:000356610100018

Document Type:Review

[Organic field-effect transistor-based gas sensors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500003)

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Document Type:Review

[Upconversion nanoparticles as versatile light nanotransducers for photoactivation applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351244800008)

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[Rationally designed molecular beacons for bioanalytical and biomedical applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354436900012)

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[Pro-aromatic and anti-aromatic pi-conjugated molecules: an irresistible wish to be diradicals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900013)

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Document Type:Review

[Design and fabrication of mesoporous heterogeneous basic catalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300008)

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By: Sun, Lin-Bing; Liu, Xiao-Qin; Zhou, Hong-Cai

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Document Type:Review

[Recent advances in employing homoenolates generated by N-heterocyclic carbene (NHC) catalysis in carbon-carbon bond-forming reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300005)

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By: Menon, Rajeev S.; Biju, Akkattu T.; Nair, Vijay

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[Spin crossover with thermal hysteresis: practicalities and lessons learnt](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354436900006)

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By: Brooker, Sally

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Document Type:Review

[Chemical biology of anticancer gold((III)) and gold((I)) complexes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365530400003)

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Document Type:Review

[Synthetic fluorescent probes for studying copper in biological systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100016)

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[Photon upconversion in core-shell nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351244800003)

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Document Type:Review

[Recent advances in enantioselective gold catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381438600009)

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[Graphene and its electrochemistry - an update](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375547100006)

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[One-dimension-based spatially ordered architectures for solar energy conversion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300006)

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Document Type:Review

[Soft fluorescent nanomaterials for biological and biomedical imaging](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357691200011)

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By: Peng, Hong-Shang; Chiu, Daniel T.

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[DYNAMERS: dynamic polymers as self-healing materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900018)

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By: Roy, Nabarun; Bruchmann, Bernd; Lehn, Jean-Marie

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[Water soluble polyhydroxyalkanoates: future materials for therapeutic applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354436900005)

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Document Type:Review

[Chemical vapour deposition of group-VIB metal dichalcogenide monolayers: engineered substrates from amorphous to single crystalline](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353658000002)

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By: Ji, Qingqing; Zhang, Yu; Zhang, Yanfeng; Liu, Zhongfan

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Document Type:Review

[Metal-organic frameworks catalyzed C-C and C-heteroatom coupling reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351606600013)

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By: Dhakshinamoorthy, Amarajothi; Asiri, Abdullah M.; Garcia, Hermenegildo

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Document Type:Review

[Au-Catalysed oxidative cyclisation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381438600002)

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By: Zheng, Zhitong; Wang, Zhixun; Wang, Youliang; Zhang, Liming

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Document Type:Review

[Hierarchy concepts: classification and preparation strategies for zeolite containing materials with hierarchical porosity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378267800004)

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Document Type:Review

[Structure, function, self-assembly, and applications of bottlebrush copolymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500014)

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By: Verduzco, Rafael; Li, Xianyu; Peseka, Stacy L.; Steinc, Gila E.

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Document Type:Review

[Peptide stapling techniques based on different macrocyclisation chemistries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703400006)

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Document Type:Review

[Symmetry breaking in molecular ferroelectrics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000379437400003)

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Document Type:Review

[In vivo degeneration and the fate of inorganic nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375547100005)

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Document Type:Review

[Green chemistry for nanoparticle synthesis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358892500003)

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By: Duan, Haohong; Wang, Dingsheng; Li, Yadong

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Document Type:Review

[Electrochemistry, biosensors and microfluidics: a convergence of fields](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300016)

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By: Rackus, Darius G.; Shamsi, Mohtashim H.; Wheeler, Aaron R.

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Document Type:Review

[Electrosprayed nanoparticles and electrospun nanofibers based on natural materials: applications in tissue regeneration, drug delivery and pharmaceuticals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348922100011)

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By: Sridhar, Radhakrishnan; Lakshminarayanan, Rajamani; Madhaiyan, Kalaipriya; Barathi, Veluchamy Amutha; Limh, Keith Hsiu Chin; et al.

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Document Type:Review

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Document Type:Review

[Shape-controlled synthesis of Au-Pd bimetallic nanocrystals for catalytic applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000379437400008)

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By: Zhang, Lei; Xie, Zhaoxiong; Gong, Jinlong

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Document Type:Review

[Hybrid nanostructures of metal/two-dimensional nanomaterials for plasmon-enhanced applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378260000007)

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By: Li, Xuanhua; Zhu, Jinmeng; Wei, Bingqing

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Document Type:Review

[Alkaline earths as main group reagents in molecular catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370618900008)

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By: Hill, Michael S.; Liptrot, David J.; Weetman, Catherine

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Accession number: WOS:000370618900008

Document Type:Review

[Zeolite membranes - a review and comparison with MOFs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900005)

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By: Rangnekar, N.; Mittal, N.; Elyassi, B.; Caro, J.; Tsapatsis, M.

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Document Type:Review

[Synthesis of new zeolite structures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900004)

44

By: Li, Jiyang; Corma, Avelino; Yu, Jihong

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Document Type:Review

[New avenues for ligand-mediated processes - expanding metal reactivity by the use of redox-active catechol, o-aminophenol and o-phenylenediamine ligands](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361669700012)

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By: Broere, Daniel L. J.; Plessius, Raoul; van der Vlugt, Jarl Ivar

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Document Type:Review

[Fluorescence imaging of metal ions implicated in diseases](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357691200002)

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By: Qian, Xuhong; Xu, Zhaochao

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Document Type:Review

[Biodegradable stimuli-responsive polypeptide materials prepared by ring opening polymerization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348922100001)

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By: Shen, Yong; Fu, Xiaohui; Fu, Wenxin; Li, Zhibo

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Document Type:Review

[Ultrathin two-dimensional layered metal hydroxides: an emerging platform for advanced catalysis, energy conversion and storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700002)

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By: Yin, Huajie; Tang, Zhiyong

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Document Type:Review

[Constraining the coordination geometries of lanthanide centers and magnetic building blocks in frameworks: a new strategy for molecular nanomagnets](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375547100004)

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By: Liu, Ke; Zhang, Xuejing; Meng, Xixi; Shi, Wei; Cheng, Peng; et al.

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Document Type:Review

[Catalytic asymmetric dearomatization (CADA) reactions of phenol and aniline derivatives](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372255400005)

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By: Wu, Wen-Ting; Zhang, Liming; You, Shu-Li

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Document Type:Review

[Multi-functional electrospun nanofibres for advances in tissue regeneration, energy conversion & storage, and water treatment](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371604800004)

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By: Peng, Shengjie; Jin, Guorui; Li, Linlin; Li, Kai; Srinivasan, Madhavi; et al.

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Document Type:Review

[Stimuli-responsive nanogel composites and their application in nanomedicine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200013)

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By: Molina, Maria; Asadian-Birjand, Mazdak; Balach, Juan; Bergueiro, Julian; Miceli, Enrico; et al.

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By: Sedlmeier, Andreas; Gorris, Hans H.

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Document Type:Review

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By: Kaur, Matinder; Choi, Dong Hoon

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Document Type:Review

[Quantum dots derived from two-dimensional materials and their applications for catalysis and energy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374403800010)

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By: Wang, Xuewan; Sun, Gengzhi; Li, Nan; Chen, Peng

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Document Type:Review

[Transition metal-catalyzed allylic substitution reactions with unactivated allylic substrates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800001)

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By: Butt, Nicholas A.; Zhang, Wanbin

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By: Gonzalez-Burgos, Marina; Latorre-Sanchez, Alejandro; Pomposo, Jose A.

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Document Type:Review

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By: Tan, Chaoliang; Liu, Zhengdong; Huang, Wei; Zhang, Hua

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Accession number: WOS:000353658000004

Document Type:Review

[The unique fluorine effects in organic reactions: recent facts and insights into fluoroalkylations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385181300001)

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By: Ni, Chuanfa; Hu, Jinbo

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Document Type:Review

[Chiral chemistry of metal-camphorate frameworks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378260000006)

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Document Type:Review

[Doping of TiO2 for sensitized solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800014)

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By: Roose, Bart; Pathak, Sandeep; Steiner, Ullrich

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Accession number: WOS:000364065800014

Document Type:Review

[Understanding and exploiting nanoparticles' intimacy with the blood vessel and blood](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800008)

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By: Setyawati, Magdiel Inggrid; Tay, Chor Yong; Docter, Dominic; Stauber, Roland H.; Leong, David Tai

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Accession number: WOS:000364065800008

Document Type:Review

[Fluid catalytic cracking: recent developments on the grand old lady of zeolite catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900011)

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By: Vogt, E. T. C.; Weckhuysen, B. M.

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Document Type:Review

[Bioapplications of hyperbranched polymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355925000010)

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By: Wang, Dali; Zhao, Tianyu; Zhu, Xinyuan; Yan, Deyue; Wang, Wenxin

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Document Type:Review

[Synthetic biology for the directed evolution of protein biocatalysts: navigating sequence space intelligently](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000008)

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By: Currin, Andrew; Swainston, Neil; Day, Philip J.; Kell, Douglas B.

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Document Type:Review

[Layer-by-layer assembly of versatile nanoarchitectures with diverse dimensionality: a new perspective for rational construction of multilayer assemblies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378260000005)

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By: Xiao, Fang-Xing; Pagliaro, Mario; Xu, Yi-Jun; Liu, Bin

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Document Type:Review

[3D-printing technologies for electrochemical applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376520800002)

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By: Ambrosi, Adriano; Pumera, Martin

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Accession number: WOS:000376520800002

Document Type:Review

[Can we beat the biotin-avidin pair?: cucurbit[7]uril-based ultrahigh affinity host-guest complexes and their applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364853400014)

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By: Shetty, Dinesh; Khedkar, Jayshree K.; Park, Kyeng Min; Kim, Kimoon

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[Surface modification and endothelialization of biomaterials as potential scaffolds for vascular tissue engineering applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300025)

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By: Ren, Xiangkui; Feng, Yakai; Guo, Jintang; Wang, Haixia; Li, Qian; et al.

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[Using lanthanide ions in molecular bioimaging](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357691200012)

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By: Amoroso, Angelo J.; Pope, Simon J. A.

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Document Type:Review

[Hyperbranched polymer vesicles: from self-assembly, characterization, mechanisms, and properties to applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355925000002)

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By: Jiang, Wenfeng; Zhou, Yongfeng; Yan, Deyue

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Document Type:Review

[Cycloparaphenylenes and related nanohoops](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500010)

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By: Lewis, Simon E.

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Document Type:Review

[The chemistry and engineering of polymeric hydrogel adhesives for wound closure: a tutorial](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351606600008)

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By: Ghobril, C.; Grinstaff, M. W.

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Document Type:Review

[Fluorescent chemosensors manipulated by dual/triple interplaying sensing mechanisms](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100003)

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By: He, Longwei; Dong, Baoli; Liu, Yong; Lin, Weiying

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Document Type:Review

[Cooperative photoredox catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378260000001)

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Document Type:Review

[Functional nucleic acid-based hydrogels for bioanalytical and biomedical applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371604800012)

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By: Li, Juan; Mo, Liuting; Lu, Chun-Hua; Fu, Ting; Yang, Huang-Hao; et al.

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Document Type:Review

[Multiphotochromic molecular systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900016)

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By: Fihey, Arnaud; Perrier, Aurelie; Browne, Wesley R.; Jacquemin, Denis

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Document Type:Review

[Multiple roles of graphene in heterogeneous catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354436900011)

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By: Fan, Xiaobin; Zhang, Guoliang; Zhang, Fengbao

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Document Type:Review

[Molecular containers assembled through the hydrophobic effect](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703600011)

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By: Jordan, Jacobs H.; Gibb, Bruce C.

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Document Type:Review

[Overcoming the Achilles' heel of photodynamic therapy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100006)

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By: Fan, Wenpei; Huang, Peng; Chen, Xiaoyuan

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Document Type:Review

[Ag-catalyzed C-H/C-C bond functionalization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381438600010)

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By: Zheng, Qing-Zhong; Jiao, Ning

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Document Type:Review

[CO2-responsive polymeric materials: synthesis, self-assembly, and functional applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381328200012)

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Document Type:Review

[Elementary photocatalytic chemistry on TiO2 surfaces](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378892400008)

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By: Guo, Qing; Zhou, Chuanyao; Ma, Zhibo; Ren, Zefeng; Fan, Hongjun; et al.

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Document Type:Review

[Aptamer-integrated DNA nanostructures for biosensing, bioimaging and cancer therapy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375547100010)

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By: Meng, Hong-Min; Liu, Hui; Kuai, Hailan; Peng, Ruizi; Mo, Liuting; et al.

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Document Type:Review

[Transition-metal catalysed C-N bond activation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371604800006)

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By: Wang, Quanjun; Su, Yijin; Li, Lixin; Huang, Hanmin

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Document Type:Review

[Two-photon polymerization microfabrication of hydrogels: an advanced 3D printing technology for tissue engineering and drug delivery](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300004)

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By: Xing, Jin-Feng; Zheng, Mei-Ling; Duan, Xuan-Ming

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Document Type:Review

[Stimuli responsive upconversion luminescence nanomaterials and films for various applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351244800013)

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By: Tsang, Ming-Kiu; Bai, Gongxun; Hao, Jianhua

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Document Type:Review

[Gels with sense: supramolecular materials that respond to heat, light and sound](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100008)

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By: Jones, Christopher D.; Steed, Jonathan W.

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Document Type:Review

[Transition metal-catalysed couplings between arenes and strained or reactive rings: combination of C-H activation and ring scission](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100004)

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By: Wang, Fen; Yu, Songjie; Li, Xingwei

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Accession number: WOS:000389318100004

Document Type:Review

[Antifouling membranes for sustainable water purification: strategies and mechanisms](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386342500005)

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By: Zhang, Runnan; Liu, Yanan; He, Mingrui; Su, Yanlei; Zhao, Xueting; et al.

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Document Type:Review

[Ionic liquid-based materials: a platform to design engineered CO2 separation membranes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376520800005)

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By: Tome, Liliana C.; Marrucho, Isabel M.

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[Recent developments in the synthesis and utilization of chiral beta-aminophosphine derivatives as catalysts or ligands](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372255400009)

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By: Li, Wenbo; Zhang, Junliang

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Document Type:Review

[Facts and fictions about polymorphism](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364853400009)

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By: Cruz-Cabeza, Aurora J.; Reutzel-Edens, Susan M.; Bernstein, Joel

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Document Type:Review

[Biodegradation of ionic liquids - a critical review](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800009)

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By: Jordan, Andrew; Gathergood, Nicholas

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Document Type:Review

[Electronic transport properties of transition metal dichalcogenide field-effect devices: surface and interface effects](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363152800008)

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By: Schmidt, Hennrik; Giustiniano, Francesco; Eda, Goki

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Document Type:Review

[Tailoring and visualizing the pore architecture of hierarchical zeolites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900009)

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By: Wei, Ying; Parmentier, Tanja E.; de Jong, Krijn P.; Zecevic, Jovana

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Document Type:Review

[Negative thermal expansion in functional materials: controllable thermal expansion by chemical modifications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900009)

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By: Chen, Jun; Hu, Lei; Deng, Jinxia; Xing, Xianran

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Document Type:Review

[Fluorescent and colorimetric chemosensors for pyrophosphate](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351606600003)

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By: Lee, Songyi; Yuen, Karen K. Y.; Jolliffe, Katrina A.; Yoon, Juyoung

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Document Type:Review

[Size- and shape-dependent catalytic performances of oxidation and reduction reactions on nanocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500007)

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By: Cao, Shaowen; Tao, Franklin (Feng); Tang, Yu; Li, Yuting; Yu, Jiaguo

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Document Type:Review

[Additive manufacturing of biologically-inspired materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000368393500008)

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By: Studart, Andre R.

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Document Type:Review

[Luminescent films for chemo- and biosensing](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361669700015)

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By: Guan, Weijiang; Zhou, WenJuan; Lu, Jun; Lu, Chao

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[Silica-based nanocapsules: synthesis, structure control and biomedical applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703400015)

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By: Bergamo, Alberta; Sava, Gianni

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Document Type:Review

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[Centrifugal microfluidic platforms: advanced unit operations and applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200014)

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[Inverted organic photovoltaic cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376520800010)

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[Graphene-based artificial nacre nanocomposites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375547100001)

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[Heterogeneous and homogeneous catalysis for the hydrogenation of carboxylic acid derivatives: history, advances and future directions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900019)

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[Multifarious facets of sugar-derived molecular gels: molecular features, mechanisms of self-assembly and emerging applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300023)

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[Ruthenium complexes as antimicrobial agents](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500019)

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Document Type:Review

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[Single-molecule transistors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349317100006)

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Document Type:Review

[Silver-catalyzed carboxylation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381438600006)

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[Crystal phase-controlled synthesis, properties and applications of noble metal nanomaterials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367250700005)

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Document Type:Review

[Advances in theory and their application within the field of zeolite chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900003)

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[Bio-inspired synthesis of metal nanomaterials and applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200019)

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[Synthesis and characterization of metallo-supramolecular polymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384876100010)

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Document Type:Review

[Semimetal-functionalised polyoxovanadates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364853400005)

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Document Type:Review

[Metal-organic molecular cages: applications of biochemical implications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703400001)

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Document Type:Review

[Copper-catalyzed oxidative carbon-heteroatom bond formation: a recent update](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381438600005)

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Volume: 44

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Document Type:Review

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Document Type:Review

[Macrocyclic amphiphiles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900010)

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Accession number: WOS:000352899500020

Document Type:Review

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Accession number: WOS:000351244800015

Document Type:Review

[Olefinic C-H functionalization through radical alkenylation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000003)

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Document Type:Review

[Calix[4]pyrroles: versatile molecular containers with ion transport, recognition, and molecular switching functions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703600010)

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Document Type:Review

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[Multifunctional polymetallaynes: properties, functions and applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384876100008)

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Accession number: WOS:000378260000011

Document Type:Review

[Structural effects of a carbon matrix in non-precious metal O-2-reduction electrocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375547100002)

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[A colloidoscope of colloid-based porous materials and their uses](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000368393500005)

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[The dynamic, size-dependent properties of [5]-[12]cycloparaphenylenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900002)

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Document Type:Review

[Photoluminescence imaging of Zn2+ in living systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357691200005)

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[Sulfur imidations: access to sulfimides and sulfoximines](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900002)

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Document Type:Review

[A practical guide to working with H2S at the interface of chemistry and biology](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387978000002)

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[The photophysics of photoredox catalysis: a roadmap for catalyst design](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386342500001)

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Document Type:Review

[pi-Conjugated phospholes and their incorporation into devices: components with a great deal of potential](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384876100009)

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[Icosahedral boron clusters: a perfect tool for the enhancement of polymer features](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384876100002)

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Document Type:Review

[Hybrid two-dimensional materials in rechargeable battery applications and their microscopic mechanisms](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381328200001)

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Document Type:Review

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Document Type:Review

[Engineered nanomembranes for smart energy storage devices](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371604800008)

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Document Type:Review

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Document Type:Review

[A multicomponent molecular approach to artificial photosynthesis - the role of fullerenes and endohedral metallofullerenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369532200010)

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Document Type:Review

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Document Type:Review

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Document Type:Review

[Probing zeolites by vibrational spectroscopies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900010)

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Document Type:Review

[Enzymatic conversion of carbon dioxide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200005)

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[Imaging agents based on lanthanide doped nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357691200018)

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Document Type:Review

[Thermoelectric plastics: from design to synthesis, processing and structure-property relationships](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387978000006)

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Accession number: WOS:000387978000006

Document Type:Review

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Document Type:Review

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Document Type:Review

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Document Type:Review

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Document Type:Review

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Document Type:Review

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Document Type:Review

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Document Type:Review

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By: Pieters, Bas J. G. E.; van Eldijk, Mark B.; Nolte, Roeland J. M.; Mecinovic, Jasmin

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Document Type:Review

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Accession number: WOS:000364065800005

Document Type:Review

[Suspension arrays based on nanoparticle-encoded microspheres for high-throughput multiplexed detection](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300022)

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By: Leng, Yuankui; Sun, Kang; Chen, Xiaoyuan; Li, Wanwan

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Accession number: WOS:000358219300022

Document Type:Review

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Accession number: WOS:000351606600006

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Document Type:Review

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[Towards dial-a-molecule by integrating continuous flow, analytics and self-optimisation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374403800003)

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Document Type:Review

[Attenuated total reflection Fourier-transform infrared (ATR-FTIR) imaging of tissues and live cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000373099400005)

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[Donor-acceptor bonding in novel low-coordinated compounds of boron and group-14 atoms C-Sn](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370618900016)

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[Anisotropically branched metal nanostructures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200006)

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[Emerging nanomedicine approaches fighting tumor metastasis: animal models, metastasis-targeted drug delivery, phototherapy, and immunotherapy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387978000009)

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Document Type:Review

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[Multi-platinum anti-cancer agents. Substitution-inert compounds for tumor selectivity and new targets](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365530400002)

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By: Lledo, A.; Pla-Quintana, A.; Roglans, A.

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Document Type:Review

[The mechanics of tessellations - bioinspired strategies for fracture resistance](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000368393500003)

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By: Fratzl, Peter; Kolednik, Otmar; Fischer, F. Dieter; Dean, Mason N.

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Document Type:Review

[The emergence of copper(I)-based dye sensitized solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364853400001)

18

By: Housecroft, Catherine E.; Constable, Edwin C.

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Document Type:Review

[Design considerations for the synthesis of polymer coated iron oxide nanoparticles for stem cell labelling and tracking using MRI](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361669700007)

18

By: Barrow, Michael; Taylor, Arthur; Murray, Patricia; Rosseinsky, Matthew J.; Adams, Dave J.

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Document Type:Review

[Aromaticity of metallabenzenes and related compounds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900006)

18

By: Fernandez, Israel; Frenking, Gernot; Merino, Gabriel

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Document Type:Review

[The dendrimer paradox - high medical expectations but poor clinical translation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355925000013)

17

By: Svenson, Sonke

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Document Type:Review

[Preparation of polyphosphazenes: a tutorial review](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384876100005)

17

By: Rothemund, Sandra; Teasdale, Ian

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Document Type:Review

[Cellular processing and destinies of artificial DNA nanostructures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381328200005)

17

By: Lee, Di Sheng; Qian, Hang; Tay, Chor Yong; Leong, David Tai

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Accession number: WOS:000381328200005

Document Type:Review

[The development of nanostructure assisted isothermal amplification in biosensors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372255400013)

17

By: Duan, Ruixue; Lou, Xiaoding; Xia, Fan

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Document Type:Review

[Strain-induced helical chirality in polyaromatic systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372255400003)

17

By: Rickhaus, Michel; Mayor, Marcel; Juricek, Michal

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Document Type:Review

[Reactivity in the periphery of functionalised multiple bonds of heavier group 14 elements](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370618900005)

17

By: Praesang, Carsten; Scheschkewitz, David

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Document Type:Review

[Group 14 inorganic hydrocarbon analogues](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370618900009)

17

By: Rivard, Eric

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Document Type:Review

[Single molecule detection with graphene and other two-dimensional materials: nanopores and beyond](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369532200002)

17

By: Arjmandi-Tash, Hadi; Belyaeva, Liubov A.; Schneider, Gregory F.

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Document Type:Review

[Pharmaceuticals that contain polycyclic hydrocarbon scaffolds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363152800009)

17

By: Stockdale, Tegan P.; Williams, Craig M.

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Document Type:Review

[pi-Conjugated bis(terpyridine) metal complex molecular wires](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363152800007)

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By: Sakamoto, Ryota; Wu, Kuo-Hui; Matsuoka, Ryota; Maeda, Hiroaki; Nishihara, Hiroshi

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Document Type:Review

[Programmable chemical reaction networks: emulating regulatory functions in living cells using a bottom-up approach](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363152800003)

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Document Type:Review

[Optical imaging probes for biomolecules: an introductory perspective](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357691200003)

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By: Thomas, Jim A.

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Document Type:Review

[Tellurium: a maverick among the chalcogens](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351606600001)

16

By: Chivers, Tristram; Laitinen, Risto S.

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Document Type:Review

[Blood-brain barrier shuttle peptides: an emerging paradigm for brain delivery](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500004)

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By: Oller-Salvia, Benjami; Sanchez-Navarro, Macarena; Giralt, Ernest; Teixido, Meritxell

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Document Type:Review

[Transition metal-catalyzed couplings of alkynes to 1,3-enynes: modern methods and synthetic applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374403800009)

16

By: Trost, Barry M.; Masters, James T.

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Document Type:Review

[Developments in spontaneous and coherent Raman scattering microscopic imaging for biomedical applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000373099400004)

16

By: Krafft, C.; Schie, I. W.; Meyer, T.; Schmitt, M.; Popp, J.

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Document Type:Review

[Enantioselective syntheses of indanes: from organocatalysis to C-H functionalization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371604800010)

16

By: Borie, Cyril; Ackermann, Lutz; Nechab, Malek

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Document Type:Review

[Optical chirality sensing using macrocycles, synthetic and supramolecular oligomers/polymers, and nanoparticle based sensors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100009)

16

By: Chen, Zhan; Wang, Qian; Wu, Xin; Li, Zhao; Jiang, Yun-Bao

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Document Type:Review

[From 1 -> 3 dendritic designs to fractal supramacromolecular constructs: understanding the pathway to the Sierpinski gasket](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355925000007)

16

By: Newkome, George R.; Moorefield, Charles N.

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Document Type:Review

[The reactivity of the active metal oxo and hydroxo intermediates and their implications in oxidations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000004)

15

By: Chen, Zhuqi; Yin, Guochuan

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Document Type:Review

[Synthesis of biaryls using aryne intermediates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000391778100006)

15

By: Garcia-Lopez, Jose-Antonio; Greaney, Michael F.

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Document Type:Review

[Protein cages and synthetic polymers: a fruitful symbiosis for drug delivery applications, bionanotechnology and materials science](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387978000008)

15

By: Rother, Martin; Nussbaumer, Martin G.; Renggli, Kasper; Bruns, Nico

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Document Type:Review

[Polypeptide self-assemblies: nanostructures and bioapplications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386342500008)

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By: Cai, Chunhua; Lin, Jiaping; Lu, Yingqing; Zhang, Qian; Wang, Liquan

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Document Type:Review

[Reactions of arynes promoted by silver ions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381438600003)

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By: Karmakar, Rajdip; Lee, Daesung

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Document Type:Review

[Quantum dynamics of polyatomic dissociative chemisorption on transition metal surfaces: mode specificity and bond selectivity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378892400005)

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By: Jiang, Bin; Yang, Minghui; Xie, Daiqian; Guo, Hua

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Document Type:Review

[Ultrafast and nonlinear surface-enhanced Raman spectroscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374403800011)

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Document Type:Review

[Direct preparation of high quality graphene on dielectric substrates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374403800005)

15

By: Chen, Xin; Wu, Bin; Liu, Yunqi

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Document Type:Review

[Spectral pre and post processing for infrared and Raman spectroscopy of biological tissues and cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000373099400006)

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By: Byrne, Hugh J.; Knief, Peter; Keating, Mark E.; Bonnier, Franck

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Document Type:Review

[Towards the next generation of biomedicines by site-selective conjugation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372255400011)

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By: Hu, Qi-Ying; Berti, Francesco; Adamo, Roberto

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Document Type:Review

[Carbohydrate nanocarriers in biomedical applications: functionalization and construction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800013)

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By: Kang, Biao; Opatz, Till; Landfester, Katharina; Wurm, Frederik R.

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Document Type:Review

[Design of Lewis-acid centres in zeolitic matrices for the conversion of renewables](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900002)

15

By: Dapsens, Pierre Y.; Mondelli, Cecilia; Perez-Ramirez, Javier

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Document Type:Review

[The excited state antiaromatic benzene ring: a molecular Mr Hyde?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900008)

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By: Papadakis, Raffaello; Ottosson, Henrik

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Document Type:Review

[Peptide self-assembly triggered by metal ions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300011)

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By: Zou, Rongfeng; Wang, Qi; Wu, Junchen; Wu, Jingxian; Schmuck, Carsten; et al.

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Document Type:Review

[Nano- and micro-sized rare-earth carbonates and their use as precursors and sacrificial templates for the synthesis of new innovative materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500001)

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Document Type:Review

[The electronic structure calculations of two-dimensional transition-metal dichalcogenides in the presence of external electric and magnetic fields](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353658000003)

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By: Kuc, Agnieszka; Heine, Thomas

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Document Type:Review

[Chemoselective reduction of carboxamides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000391778100002)

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By: Volkov, Atexey; Tinnis, Fredrik; Stagbrand, Tove; Trillo, Paz; Adolfsson, Hans

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Document Type:Review

[Nanoporous ionic organic networks: from synthesis to materials applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100010)

14

By: Sun, Jian-Ke; Antonietti, Markus; Yuan, Jiayin

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Document Type:Review

[Block copolymer synthesis by controlled/living radical polymerisation in heterogeneous systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700008)

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By: Jennings, J.; He, G.; Howdle, S. M.; Zetterlund, P. B.

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Document Type:Review

[Drugging Ras GTPase: a comprehensive mechanistic and signaling structural view](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700004)

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By: Lu, Shaoyong; Jang, Hyunbum; Gu, Shuo; Zhang, Jian; Nussinov, Ruth

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Document Type:Review

[C-11 = O bonds made easily for positron emission tomography radiopharmaceuticals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500005)

14

By: Rotstein, Benjamin H.; Liang, Steven H.; Placzek, Michael S.; Hooker, Jacob M.; Gee, Antony D.; et al.

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Document Type:Review

[Coupling carbon dioxide reduction with water oxidation in nanoscale photocatalytic assemblies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378260000010)

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By: Kim, Wooyul; McClure, Beth Anne; Edri, Eran; Frei, Heinz

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Document Type:Review

[Development of deep subsurface Raman spectroscopy for medical diagnosis and disease monitoring](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000373099400002)

14

By: Matousek, Pavel; Stone, Nicholas

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Document Type:Review

[In vacuo interfacial tetrapyrrole metallation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372255400008)

14

By: Diller, Katharina; Papageorgiou, Anthoula C.; Klappenberger, Florian; Allegretti, Francesco; Barth, Johannes V.; et al.

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Document Type:Review

[Smart fluorescent probes for imaging macrophage activity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371604800001)

14

By: Fernandez, Antonio; Vendrell, Marc

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Document Type:Review

[s-Block amidoboranes: syntheses, structures, reactivity and applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370618900015)

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By: Stennett, Tom E.; Harder, Sjoerd

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Document Type:Review

[Solution based CVD of main group materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370618900012)

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By: Knapp, Caroline E.; Carmalt, Claire J.

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Document Type:Review

[The road to the synthesis of difficult peptides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369532200011)

14

By: Paradis-Bas, Marta; Tulla-Puche, Judit; Albericio, Fernando

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Accession number: WOS:000369532200011

Document Type:Review

[Recent advances of pore system construction in zeolite-catalyzed chemical industry processes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365530400009)

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By: Shi, Jing; Wang, Yangdong; Yang, Weimin; Tang, Yi; Xie, Zaiku

Volume: 44

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Accession number: WOS:000365530400009

Document Type:Review

[Multifunctional pi-expanded oligothiophene macrocycles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900003)

14

By: Iyoda, Masahiko; Shimizu, Hideyuki

Volume: 44

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Accession number: WOS:000360654900003

Document Type:Review

[Facilitated transport of small molecules and ions for energy-efficient membranes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346703400007)

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By: Li, Yifan; Wang, Shaofei; He, Guangwei; Wu, Hong; Pan, Fusheng; et al.

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Accession number: WOS:000346703400007

Document Type:Review

[Bio-inspired photonic crystals with superwettability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000391778100009)

13

By: Kuang, Minxuan; Wang, Jingxia; Jiang, Lei

Volume: 45

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Accession number: WOS:000391778100009

Document Type:Review

[Old tricks, new dogs: organocatalytic dienamine activation of alpha,beta-unsaturated aldehydes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000391778100008)

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By: Marcos, Vanesa; Aleman, Jose

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Accession number: WOS:000391778100008

Document Type:Review

[Lipid-based nanovesicles for nanomedicine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100007)

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By: Grimaldi, N.; Andrade, F.; Segovia, N.; Ferrer-Tasies, L.; Sala, S.; et al.

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Accession number: WOS:000389318100007

Document Type:Review

[High temperature electrical energy storage: advances, challenges, and frontiers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386342500004)

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By: Lin, Xinrong; Salari, Maryam; Arava, Leela Mohana Reddy; Ajayan, Pulickel M.; Grinstaff, Mark W.

Volume: 45

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Accession number: WOS:000386342500004

Document Type:Review

[Rational construction of functional molybdenum (tungsten)-copper-sulfur coordination oligomers and polymers from preformed cluster precursors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700006)

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By: Zhang, Wen-Hua; Ren, Zhi-Gang; Lang, Jian-Ping

Volume: 45

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Accession number: WOS:000384208700006

Document Type:Review

[Circular dichroism spectroscopy of membrane proteins](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700001)

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By: Miles, A. J.; Wallace, B. A.

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Document Type:Review

[Protection of densely populated excited triplet state ensembles against deactivation by molecular oxygen](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500003)

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By: Filatov, Mikhail A.; Baluschev, Stanislav; Landfester, Katharina

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Document Type:Review

[Hydrogen-bond promoted nucleophilic fluorination: concept, mechanism and applications in positron emission tomography](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500001)

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Accession number: WOS:000382023500001

Document Type:Review

[Heterogeneous chemistry and reaction dynamics of the atmospheric oxidants, O-3, NO3, and OH, on organic surfaces](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378892400009)

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Accession number: WOS:000378892400009

Document Type:Review

[Well-faceted noble-metal nanocrystals with nonconvex polyhedral shapes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378260000009)

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By: Chen, Qiaoli; Jia, Yanyan; Xie, Shuifen; Xie, Zhaoxiong

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Document Type:Review

[Tracking single viruses infecting their host cells using quantum dots](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371604800003)

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Document Type:Review

[Recent advances in the chemistry of organic thiocyanates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369532200003)

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By: Castanheiro, Thomas; Suffert, Jean; Donnard, Morgan; Gulea, Mihaela

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Accession number: WOS:000369532200003

Document Type:Review

[Glycosyltransferases: mechanisms and applications in natural product development](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800015)

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Accession number: WOS:000364065800015

Document Type:Review

[State-of-the-art strategies for targeting protein-protein interactions by small-molecule inhibitors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800010)

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Accession number: WOS:000364065800010

Document Type:Review

[Recent developments and future prospects of all-metal aromatic compounds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900010)

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Accession number: WOS:000360654900010

Document Type:Review

[Development of individualized anti-metastasis strategies by engineering nanomedicines](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200016)

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Document Type:Review

[Catalytic Conia-ene and related reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200009)

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Document Type:Review

[Designing nanomaterials to maximize performance and minimize undesirable implications guided by the Principles of Green Chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358892500002)

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Document Type:Review

[Protein recognition using synthetic small-molecular binders toward optical protein sensing in vitro and in live cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100019)

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Document Type:Review

[The dendritic effect illustrated with phosphorus dendrimers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355925000003)

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Document Type:Review

[Illuminating biological processes through site-specific protein labeling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900004)

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Document Type:Review

[Nucleic acid aptamers in cancer research, diagnosis and therapy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000009)

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Document Type:Review

[Ordered nanoparticle arrays interconnected by molecular linkers: electronic and optoelectronic properties](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349317100011)

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Document Type:Review

[Molecular wires - impact of pi-conjugation and implementation of molecular bottlenecks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349317100010)

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Document Type:Review

[Chemical reactions confined within carbon nanotubes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500006)

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By: Miners, Scott A.; Rance, Graham A.; Khlobystov, Andrei N.

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Document Type:Review

[Interfacial phenomena in gas hydrate systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372255400010)

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Document Type:Review

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Document Type:Review

[Dehydrocoupling routes to element-element bonds catalysed by main group compounds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370618900003)

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Document Type:Review

[Inorganic nanoparticles engineered to attack bacteria](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363152800011)

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Document Type:Review

[Phosphorus promotion and poisoning in zeolite-based materials: synthesis, characterisation and catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362579900013)

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Document Type:Review

[Carbo-aromaticity'' and novel carbo-aromatic compounds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900011)

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[Fluorometric imaging methods for palladium and platinum and the use of palladium for imaging biomolecules](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357691200014)

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Document Type:Review

[Synthesis of chemicals by metabolic engineering of microbes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900017)

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[Advances in tandem reactions with organozinc reagents](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500017)

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By: Kim, Ju Hyun; Ko, Young Ok; Bouffard, Jean; Lee, Sang-gi

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Document Type:Review

[N-heterocyclic carbene (NHC) complexes of group 4 transition metals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351606600012)

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Document Type:Review

[Current advances in fused tetrathiafulvalene donor-acceptor systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349317100003)

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Accession number: WOS:000349317100003

Document Type:Review

[Electron transfer in peptides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349317100012)

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Document Type:Review

[Recent advances in the biomimicry of structural colours](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000391778100003)

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Document Type:Review

[New insights into the pretargeting approach to image and treat tumours](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100001)

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Document Type:Review

[1001 lights: luciferins, luciferases, their mechanisms of action and applications in chemical analysis, biology and medicine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386342500010)

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Document Type:Review

[Mesocrystals: structural and morphogenetic aspects](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386342500002)

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By: Sturm, Elena V.; Coelfen, Helmut

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Document Type:Review

[Polymers with pendant ferrocenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384876100006)

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Document Type:Review

[Inorganic dendrimers: recent advances for catalysis, nanomaterials, and nanomedicine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384876100003)

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Document Type:Review

[Characterisation of gold catalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700005)

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Document Type:Review

[Copper mediated carbometalation reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381438600008)

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[Thermopower measurements in molecular junctions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381328200008)

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By: Rincon-Garcia, Laura; Evangeli, Charalambos; Rubio-Bollinger, Gabino; Agrait, Nicolas

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Document Type:Review

[Fundamental developments in infrared spectroscopic imaging for biomedical applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000373099400010)

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Volume: 45

Page: 1935-1957

Accession number: WOS:000373099400010

Document Type:Review

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Volume: 45

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Accession number: WOS:000371604800011

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Volume: 45

Page: 268-280

Accession number: WOS:000368393500004

Document Type:Review

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Volume: 44

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Accession number: WOS:000361669700013

Document Type:Review

[Chemistry at the interior atoms of polycyclic aromatic hydrocarbons](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900007)

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Accession number: WOS:000360654900007

Document Type:Review

[Synthetic chemistry with nitrous oxide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200020)

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Volume: 44

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Accession number: WOS:000359551200020

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[Carbon cycle in advanced coal chemical engineering](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358219300019)

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Volume: 44

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[The structure and function of cell membranes examined by atomic force microscopy and single-molecule force spectroscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355485900012)

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Volume: 44

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Volume: 44

Page: 3143-3176

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Document Type:Review

[Uphill diffusion in multicomponent mixtures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354436900002)

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Volume: 44

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Accession number: WOS:000354436900002

Document Type:Review

[Photo-responsive pseudorotaxanes and assemblies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348922100005)

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Volume: 44

Page: 663-676

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[The electron's spin and molecular chirality - how are they related and how do they affect life processes?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389318100005)

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[Applications of N-heterocyclic imines in main group chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387978000013)

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Page: 6327-6344

Accession number: WOS:000387978000013

Document Type:Review

[Determination and prediction of the magnetic anisotropy of Mn ions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386342500003)

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Page: 5834-5847

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Document Type:Review

[Tactic, reactive, and functional droplets outside of equilibrium](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500008)

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Volume: 45

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[Quantum state resolved gas-surface reaction dynamics experiments: a tutorial review](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378892400002)

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Volume: 45

Page: 3576-3594

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[Removal of TcO4- ions from solution: materials and future outlook](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376520800001)

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Volume: 45

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[The importance of hydration and DNA conformation in interpreting infrared spectra of cells and tissues](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000373099400012)

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Volume: 45

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Document Type:Review

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Document Type:Review

[Cyclophanes containing large polycyclic aromatic hydrocarbons](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900009)

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Volume: 44

Page: 6494-6518

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[Emerging translational research on magnetic nanoparticles for regenerative medicine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359551200018)

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Accession number: WOS:000359551200018

Document Type:Review

[Cell surface-based sensing with metallic nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100010)

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Volume: 44

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Accession number: WOS:000356610100010

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[Glyconanosynthons as powerful scaffolds and building blocks for the rapid construction of multifaceted, dense and chiral dendrimers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355925000005)

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Document Type:Review

[Enantiotopic discrimination in the NMR spectrum of prochiral solutes in chiral liquid crystals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500012)

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Document Type:Review

[How valence bond theory can help you understand your (bio) chemical reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350568000001)

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Accession number: WOS:000350568000001

Document Type:Review

[Nanoparticle characterization based on STM and STS](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349317100009)

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Accession number: WOS:000349317100009

Document Type:Review

[Computational materials design of crystalline solids](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387978000005)

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[Bioinspired synthesis of magnetite nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384208700009)

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Document Type:Review

[Chemical and semisynthetic approaches to study and target deubiquitinases](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381328200004)

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Accession number: WOS:000381328200004

Document Type:Review

[Synthesis of catalytic materials in flames: opportunities and challenges](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378260000003)

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Accession number: WOS:000378260000003

Document Type:Review

[Metallosupramolecular receptors for fullerene binding and release](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367250700004)

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Document Type:Review

[Crucial aspects in the design of chirally modified noble metal catalysts for asymmetric hydrogenation of activated ketones](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363152800002)

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Accession number: WOS:000363152800002

Document Type:Review

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Accession number: WOS:000361669700011

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Document Type:Review

[Critical design issues in the targeted molecular imaging of cell surface receptors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352899500005)

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Document Type:Review

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Accession number: WOS:000385181300009

Document Type:Review

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Volume: 44

Page: 6723-6732

Accession number: WOS:000361669700006

Document Type:Review

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Volume: 44

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Accession number: WOS:000361669700004

Document Type:Review

[Stability enhancement of fluorophores for lighting up practical application in bioimaging](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356610100002)

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Accession number: WOS:000356610100002

Document Type:Review

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Accession number: WOS:000346703600008

Document Type:Review

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Document Type:Review

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Document Type:Review

[Structure-mechanical property correlations of hydrogel forming beta-sheet peptides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382023500009)

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Document Type:Review

[Electronically non-adiabatic influences in surface chemistry and dynamics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378892400006)

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Document Type:Review

[Interactions between lasers and two-dimensional transition metal dichalcogenides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375547100007)

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Document Type:Review

[New perspectives in organolanthanide chemistry from redox to bond metathesis: insights from theory](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375547100008)

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Document Type:Review

[Recent progress of abrasion-resistant materials: learning from nature](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000368393500002)

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Document Type:Review

[Fishing the PTM proteome with chemical approaches using functional solid phases](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364065800011)

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[Non-alternant non-benzenoid kekulenes: the birth of a new kekulene family](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360654900012)

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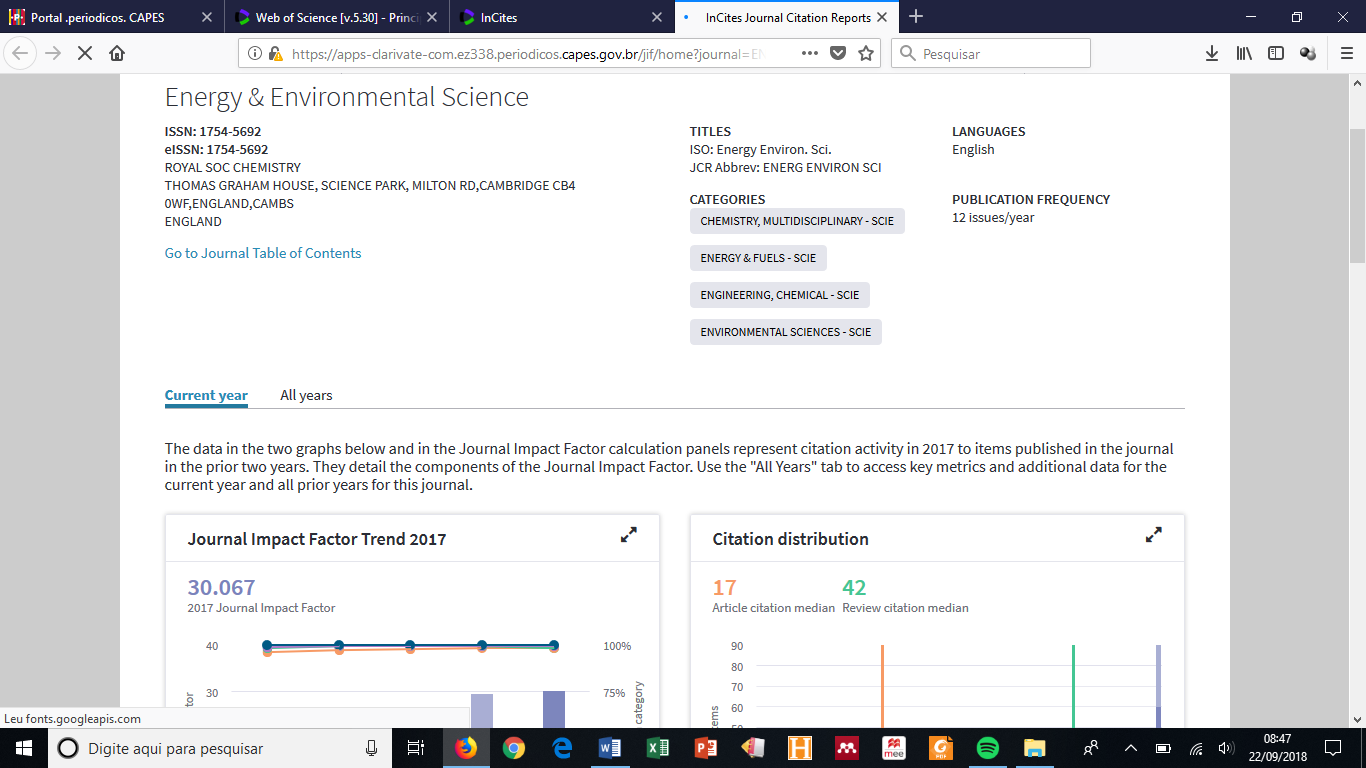
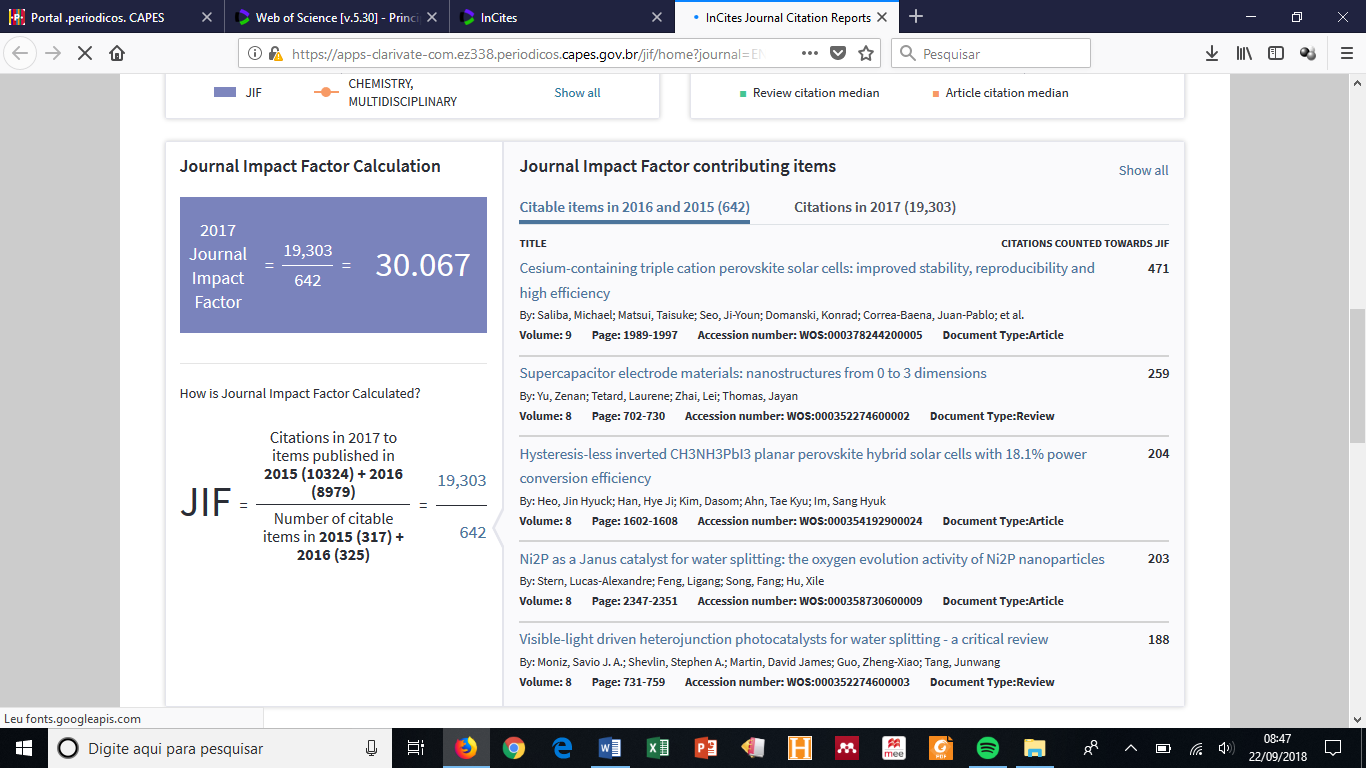
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Document Type:Review

1. [Organometal halide perovskite solar cells: degradation and stability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500002)

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By: Berhe, Taame Abraha; Su, Wei-Nien; Chen, Ching-Hsiang; Pan, Chun-Jern; Cheng, Ju-Hsiang; et al.

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Accession number: WOS:000369744500002

Document Type:Review

1. [Metal-organic frameworks and their derived nanostructures for electrochemical energy storage and conversion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300001)

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By: Xia, Wei; Mahmood, Asif; Zou, Ruqiang; Xu, Qiang

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Accession number: WOS:000357541300001

Document Type:Review

1. [Toward the rational design of non-precious transition metal oxides for oxygen electrocatalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900002)

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Volume: 8

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Accession number: WOS:000354192900002

Document Type:Review

1. [Understanding the rate-dependent J-V hysteresis, slow time component, and aging in CH3NH3PbI3 perovskite solar cells: the role of a compensated electric field](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600025)

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By: Tress, W.; Marinova, N.; Moehl, T.; Zakeeruddin, S. M.; Nazeeruddin, Mohammad Khaja; et al.

Volume: 8

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Accession number: WOS:000352274600025

Document Type:Article

1. [Defect migration in methylammonium lead iodide and its role in perovskite solar cell operation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300023)

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By: Azpiroz, Jon M.; Mosconi, Edoardo; Bisquert, Juan; De Angelis, Filippo

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Page: 2118-2127

Accession number: WOS:000357541300023

Document Type:Article

1. [Progress in triboelectric nanogenerators as a new energy technology and self-powered sensors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600003)

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By: Wang, Zhong Lin; Chen, Jun; Lin, Long

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Accession number: WOS:000358730600003

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1. [Highly efficient planar perovskite solar cells through band alignment engineering](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700011)

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By: Baena, Juan Pablo Correa; Steier, Ludmilla; Tress, Wolfgang; Saliba, Michael; Neutzner, Stefanie; et al.

Volume: 8

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Accession number: WOS:000362351700011

Document Type:Article

1. [A comprehensive review of sodium layered oxides: powerful cathodes for Na-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600006)

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By: Han, Man Huon; Gonzalo, Elena; Singh, Gurpreet; Rojo, Teofilo

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Accession number: WOS:000346563600006

Document Type:Review

1. [Carbon materials for high volumetric performance supercapacitors: design, progress, challenges and opportunities](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600003)

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By: Wang, Qian; Yan, Jun; Fan, Zhuangjun

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Accession number: WOS:000372243600003

Document Type:Review

1. [Two-dimensional covalent carbon nitride nanosheets: synthesis, functionalization, and applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500004)

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By: Zhang, Jinshui; Chen, Yan; Wang, Xinchen

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Accession number: WOS:000364324500004

Document Type:Review

1. [Entropic stabilization of mixed A-cation ABX(3) metal halide perovskites for high performance perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500030)

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By: Yi, Chenyi; Luo, Jingshan; Meloni, Simone; Boziki, Ariadni; Ashari-Astani, Negar; et al.

Volume: 9

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Accession number: WOS:000369744500030

Document Type:Article

1. [High-performance fullerene-free polymer solar cells with 6.31% efficiency](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900020)

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By: Lin, Yuze; Zhang, Zhi-Guo; Bai, Huitao; Wang, Jiayu; Yao, Yuehan; et al.

Volume: 8

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Accession number: WOS:000349616900020

Document Type:Article

1. [Carbon coated porous nickel phosphides nanoplates for highly efficient oxygen evolution reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200009)

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By: Yu, Xin-Yao; Feng, Yi; Guan, Buyuan; Lou, Xiong Wen (David); Paik, Ungyu

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Accession number: WOS:000374351200009

Document Type:Article

1. [Etched and doped Co9S8/graphene hybrid for oxygen electrocatalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200018)

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By: Dou, Shuo; Tao, Li; Huo, Jia; Wang, Shuangyin; Dai, Liming

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Accession number: WOS:000374351200018

Document Type:Article

1. [Recent progress and perspective in solution-processed Interfacial materials for efficient and stable polymer and organometal perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500005)

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By: Chueh, Chu-Chen; Li, Chang-Zhi; Jen, Alex K. -Y.

Volume: 8

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Accession number: WOS:000352275500005

Document Type:Review

[Pyrite FeS2 for high-rate and long-life rechargeable sodium batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500019)

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By: Hu, Zhe; Zhu, Zhiqiang; Cheng, Fangyi; Zhang, Kai; Wang, Jianbin; et al.

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Accession number: WOS:000352275500019

Document Type:Article

[Water desalination via capacitive deionization: what is it and what can we expect from it?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600005)

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By: Suss, M. E.; Porada, S.; Sun, X.; Biesheuvel, P. M.; Yoon, J.; et al.

Volume: 8

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Accession number: WOS:000358730600005

Document Type:Article

[Porous P-doped graphitic carbon nitride nanosheets for synergistically enhanced visible-light photocatalytic H-2 production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300028)

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By: Ran, Jingrun; Ma, Tian Yi; Gao, Guoping; Du, Xi-Wen; Qiao, Shi Zhang

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Page: 3708-3717

Accession number: WOS:000365412300028

Document Type:Article

[Nitrogen-doped activated carbon for a high energy hybrid supercapacitor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700009)

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By: Li, Bing; Dai, Fang; Xiao, Qiangfeng; Yang, Li; Shen, Jingmei; et al.

Volume: 9

Page: 102-106

Accession number: WOS:000367622700009

Document Type:Article

[A spirobifluorene and diketopyrrolopyrrole moieties based non-fullerene acceptor for efficient and thermally stable polymer solar cells with high open-circuit voltage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500025)

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By: Li, Shuixing; Liu, Wenqing; Shi, Minmin; Mai, Jiangquan; Lau, Tsz-Ki; et al.

Volume: 9

Page: 604-610

Accession number: WOS:000369744500025

Document Type:Article

[Semi-transparent perovskite solar cells for tandems with silicon and CIGS](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600021)

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By: Bailie, Colin D.; Christoforo, M. Greyson; Mailoa, Jonathan P.; Bowring, Andrea R.; Unger, Eva L.; et al.

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Accession number: WOS:000352274600021

Document Type:Article

[High-efficiency non-fullerene organic solar cells enabled by a difluorobenzothiadiazole-based donor polymer combined with a properly matched small molecule acceptor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900008)

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By: Zhao, Jingbo; Li, Yunke; Lin, Haoran; Liu, Yuhang; Jiang, Kui; et al.

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Document Type:Article

[Lithium sulfur batteries, a mechanistic review](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300005)

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By: Wild, M.; O'Neill, L.; Zhang, T.; Purkayastha, R.; Minton, G.; et al.

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Accession number: WOS:000365412300005

Document Type:Review

[High efficiency stable inverted perovskite solar cells without current hysteresis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600018)

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By: Wu, Chun-Guey; Chiang, Chien-Hung; Tseng, Zong-Liang; Nazeeruddin, Md. K.; Hagfeldt, Anders; et al.

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Page: 2725-2733

Accession number: WOS:000360456600018

Document Type:Article

[Furfural: a renewable and versatile platform molecule for the synthesis of chemicals and fuels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200002)

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By: Mariscal, R.; Maireles-Torres, P.; Ojeda, M.; Sadaba, I.; Lopez Granados, M.

Volume: 9

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Accession number: WOS:000374351200002

Document Type:Review

[A metal-organic framework route to in situ encapsulation of Co@Co3O4@C core@bishell nanoparticles into a highly ordered porous carbon matrix for oxygen reduction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900015)

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By: Xia, Wei; Zou, Ruqiang; An, Li; Xia, Dingguo; Guo, Shaojun

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Page: 568-576

Accession number: WOS:000349616900015

Document Type:Article

[Versatile ternary organic solar cells: a critical review](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500001)

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By: An, Qiaoshi; Zhang, Fujun; Zhang, Jian; Tang, Weihua; Deng, Zhenbo; et al.

Volume: 9

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Accession number: WOS:000369744500001

Document Type:Review

[Designing an improved transition metal phosphide catalyst for hydrogen evolution using experimental and theoretical trends](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700024)

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By: Kibsgaard, Jakob; Tsai, Charlie; Chan, Karen; Benck, Jesse D.; Norskov, Jens K.; et al.

Volume: 8

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Accession number: WOS:000362351700024

Document Type:Article

[Peanut shell hybrid sodium ion capacitor with extreme energy-power rivals lithium ion capacitors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600020)

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Volume: 8

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Accession number: WOS:000352274600020

Document Type:Article

[Metal-organic-framework-engaged formation of Co nanoparticle-embedded carbon@Co9S8 double-shelled nanocages for efficient oxygen reduction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700010)

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By: Hu, Han; Han, Lei; Yu, Mengzhou; Wang, Zhiyu; Lou, Xiong Wen (David)

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Accession number: WOS:000367622700010

Document Type:Article

[Grain boundary dominated ion migration in polycrystalline organic-inorganic halide perovskite films](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500019)

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By: Shao, Yuchuan; Fang, Yanjun; Li, Tao; Wang, Qi; Dong, Qingfeng; et al.

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Accession number: WOS:000375699500019

Document Type:Article

[Monolithic perovskite/silicon-heterojunction tandem solar cells processed at low temperature](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700006)

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By: Albrecht, Steve; Saliba, Michael; Baena, Juan Pablo Correa; Lang, Felix; Kegelmann, Lukas; et al.

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Accession number: WOS:000367622700006

Document Type:Article

[Highly efficient and stable planar perovskite solar cells by solution-processed tin oxide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200016)

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By: Anaraki, Elham Halvani; Kermanpur, Ahmad; Steier, Ludmilla; Domanski, Konrad; Matsui, Taisuke; et al.

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Accession number: WOS:000386336200016

Document Type:Article

[Vertically oriented cobalt selenide/NiFe layered-double-hydroxide nanosheets supported on exfoliated graphene foil: an efficient 3D electrode for overall water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500013)

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By: Hou, Yang; Lohe, Martin R.; Zhang, Jian; Liu, Shaohua; Zhuang, Xiaodong; et al.

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Accession number: WOS:000369744500013

Document Type:Article

[Triggering the electrocatalytic hydrogen evolution activity of the inert two-dimensional MoS2 surface via single-atom metal doping](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900023)

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By: Deng, Jiao; Li, Haobo; Xiao, Jianping; Tu, Yunchuan; Deng, Dehui; et al.

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Accession number: WOS:000354192900023

Document Type:Article

[Liquid organic and inorganic chemical hydrides for high-capacity hydrogen storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900006)

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By: Zhu, Qi-Long; Xu, Qiang

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Accession number: WOS:000349616900006

Document Type:Review

[Exploration of the compositional space for mixed lead halogen perovskites for high efficiency solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500015)

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By: Jacobsson, T. Jesper; Correa-Baen, Juan-Pablo; Pazoki, Meysam; Saliba, Michael; Schenk, Kurt; et al.

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Page: 1706-1724

Accession number: WOS:000375699500015

Document Type:Article

[Surface optimization to eliminate hysteresis for record efficiency planar perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200007)

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By: Yang, Dong; Zhou, Xin; Yang, Ruixia; Yang, Zhou; Yu, Wei; et al.

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Page: 3071-3078

Accession number: WOS:000386336200007

Document Type:Article

[Extraordinarily efficient photocatalytic hydrogen evolution in water using semiconductor nanorods integrated with crystalline Ni2P cocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600012)

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By: Sun, Zijun; Zheng, Huafei; Li, Jingshi; Du, Pingwu

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Accession number: WOS:000360456600012

Document Type:Article

[Electroactive edge site-enriched nickel-cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200016)

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By: Yang, Juan; Yu, Chang; Fan, Xiaoming; Liang, Suxia; Li, Shaofeng; et al.

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Accession number: WOS:000374351200016

Document Type:Article

[A high efficiency solution processed polymer inverted triple-junction solar cell exhibiting a power conversion efficiency of 11.83%](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600027)

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By: Yusoff, Abd. Rashid bin Mohd; Kim, Dongcheon; Kim, Hyeong Pil; Shneider, Fabio Kurt; da Silva, Wilson Jose; et al.

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Page: 303-316

Accession number: WOS:000346563600027

Document Type:Article

[Self-supported formation of hierarchical NiCo2O4 tetragonal microtubes with enhanced electrochemical properties](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600011)

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By: Ma, Fei-Xiang; Yu, Le; Xu, Cheng-Yan; Lou, Xiong Wen (David)

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Page: 862-866

Accession number: WOS:000372243600011

Document Type:Article

[Electrospun materials for lithium and sodium rechargeable batteries: from structure evolution to electrochemical performance](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700003)

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By: Wang, Heng-guo; Yuan, Shuang; Ma, De-long; Zhang, Xin-Bo; Yan, Jun-Min

Volume: 8

Page: 1660-1681

Accession number: WOS:000355985700003

Document Type:Review

[Rational designs and engineering of hollow micro-/nanostructures as sulfur hosts for advanced lithium-sulfur batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200006)

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By: Li, Zhen; Wu, Hao Bin; Lou, Xiong Wen (David)

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Accession number: WOS:000386336200006

Document Type:Review

[High efficiency flexible perovskite solar cells using superior low temperature TiO2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500015)

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By: Yang, Dong; Yang, Ruixia; Zhang, Jing; Yang, Zhou; Liu, Shengzhong (Frank); et al.

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Document Type:Article

[Planar heterojunction organometal halide perovskite solar cells: roles of interfacial layers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700001)

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By: Kim, Hobeom; Lim, Kyung-Geun; Lee, Tae-Woo

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Accession number: WOS:000367622700001

Document Type:Review

[Photoinduced charge transfer processes in solar photocatalysis based on modified TiO2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500005)

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By: Park, Hyunwoong; Kim, Hyoung-il; Moon, Gun-hee; Choi, Wonyong

Volume: 9

Page: 411-433

Accession number: WOS:000369744500005

Document Type:Article

[Scalable fabrication of efficient organolead trihalide perovskite solar cells with doctor-bladed active layers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900017)

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By: Deng, Yehao; Peng, Edwin; Shao, Yuchuan; Xiao, Zhengguo; Dong, Qingfeng; et al.

Volume: 8

Page: 1544-1550

Accession number: WOS:000354192900017

Document Type:Article

[CO2 photo-reduction: insights into CO2 activation and reaction on surfaces of photocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700002)

69

By: Chang, Xiaoxia; Wang, Tuo; Gong, Jinlong

Volume: 9

Page: 2177-2196

Accession number: WOS:000382749700002

Document Type:Review

[Enhanced UV-light stability of planar heterojunction perovskite solar cells with caesium bromide interface modification](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500015)

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By: Li, Wenzhe; Zhang, Wei; van Reenen, Stephan; Sutton, Rebecca J.; Fan, Jiandong; et al.

Volume: 9

Page: 490-498

Accession number: WOS:000369744500015

Document Type:Article

[Light and oxygen induced degradation limits the operational stability of methylammonium lead triiodide perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500008)

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Volume: 9

Page: 1655-1660

Accession number: WOS:000375699500008

Document Type:Article

[Highly efficient and bending durable perovskite solar cells: toward a wearable power source](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600017)

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Volume: 8

Page: 916-921

Accession number: WOS:000352274600017

Document Type:Article

[A low-cost spiro[fluorene-9,9 '-xanthene]-based hole transport material for highly efficient solid-state dye-sensitized solar cells and perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600013)

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Volume: 9

Page: 873-877

Accession number: WOS:000372243600013

Document Type:Article

[17.6% stabilized efficiency in low-temperature processed planar perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600012)

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Volume: 8

Page: 2365-2370

Accession number: WOS:000358730600012

Document Type:Article

[Olivine LiFePO4: the remaining challenges for future energy storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500003)

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Volume: 8

Page: 1110-1138

Accession number: WOS:000352275500003

Document Type:Review

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By: Ager, Joel W.; Shaner, Matthew R.; Walczak, Karl A.; Sharp, Ian D.; Ardo, Shane

Volume: 8

Page: 2811-2824

Accession number: WOS:000362351700002

Document Type:Review

[A planar electron acceptor for efficient polymer solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500016)

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By: Wu, Yao; Bai, Huitao; Wang, Zaiyu; Cheng, Pei; Zhu, Siya; et al.

Volume: 8

Page: 3215-3221

Accession number: WOS:000364324500016

Document Type:Article

[Nanocrystalline Ni5P4: a hydrogen evolution electrocatalyst of exceptional efficiency in both alkaline and acidic media](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600029)

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Volume: 8

Page: 1027-1034

Accession number: WOS:000352274600029

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By: Higgins, Drew; Zamani, Pouyan; Yu, Aiping; Chen, Zhongwei

Volume: 9

Page: 357-390

Accession number: WOS:000369744500003

Document Type:Review

[A high tap density secondary silicon particle anode fabricated by scalable mechanical pressing for lithium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600013)

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By: Lin, Dingchang; Lu, Zhenda; Hsu, Po-Chun; Lee, Hye Ryoung; Liu, Nian; et al.

Volume: 8

Page: 2371-2376

Accession number: WOS:000358730600013

Document Type:Article

[Catalytic reduction of CO2 by H-2 for synthesis of CO, methanol and hydrocarbons: challenges and opportunities](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700004)

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By: Porosoff, Marc D.; Yan, Binhang; Chen, Jingguang G.

Volume: 9

Page: 62-73

Accession number: WOS:000367622700004

Document Type:Article

[Open circuit voltage of organic solar cells: an in-depth review](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500004)

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By: Elumalai, Naveen Kumar; Uddin, Ashraf

Volume: 9

Page: 391-410

Accession number: WOS:000369744500004

Document Type:Review

[Two-dimensional layered MoS2: rational design, properties and electrochemical applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200003)

61

By: Zhang, Gong; Liu, Huijuan; Qu, Jiuhui; Li, Jinghong

Volume: 9

Page: 1190-1209

Accession number: WOS:000374351200003

Document Type:Review

[Flexible graphene devices related to energy conversion and storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600006)

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By: Wang, Xiluan; Shi, Gaoquan

Volume: 8

Page: 790-823

Accession number: WOS:000352274600006

Document Type:Review

[Structural and chemical synergistic encapsulation of polysulfides enables ultralong-life lithium-sulfur batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700004)

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Volume: 9

Page: 2533-2538

Accession number: WOS:000384921700004

Document Type:Article

[Nickel selenide as a high-efficiency catalyst for oxygen evolution reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500021)

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By: Swesi, A. T.; Masud, J.; Nath, M.

Volume: 9

Page: 1771-1782

Accession number: WOS:000375699500021

Document Type:Article

[Reductive lignocellulose fractionation into soluble lignin-derived phenolic monomers and dimers and processable carbohydrate pulps](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700014)

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Volume: 8

Page: 1748-1763

Accession number: WOS:000355985700014

Document Type:Article

[Perovskite photovoltaics: life-cycle assessment of energy and environmental impacts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300007)

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By: Gong, Jian; Darling, Seth B.; You, Fengqi

Volume: 8

Page: 1953-1968

Accession number: WOS:000357541300007

Document Type:Article

[Single layer graphene encapsulating non-precious metals as high-performance electrocatalysts for water oxidation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700013)

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By: Cui, Xiaoju; Ren, Pengju; Deng, Dehui; Deng, Jiao; Bao, Xinhe

Volume: 9

Page: 123-129

Accession number: WOS:000367622700013

Document Type:Article

[Non-precious alloy encapsulated in nitrogen-doped graphene layers derived from MOFs as an active and durable hydrogen evolution reaction catalyst](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300013)

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By: Yang, Yang; Lun, Zhengyan; Xia, Guoliang; Zheng, Fangcai; He, Mengni; et al.

Volume: 8

Page: 3563-3571

Accession number: WOS:000365412300013

Document Type:Article

[2D phosphorene as a water splitting photocatalyst: fundamentals to applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600002)

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By: Rahman, Mohammad Ziaur; Kwong, Chi Wai; Davey, Kenneth; Qiao, Shi Zhang

Volume: 9

Page: 709-728

Accession number: WOS:000372243600002

Document Type:Review

[Advances in high permeability polymer-based membrane materials for CO2 separations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200001)

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Volume: 9

Page: 1863-1890

Accession number: WOS:000378244200001

Document Type:Review

[Hysteresis-free low-temperature-processed planar perovskite solar cells with 19.1% efficiency](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700008)

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By: Yoon, Heetae; Kang, Seong Min; Lee, Jong-Kwon; Choi, Mansoo

Volume: 9

Page: 2262-2266

Accession number: WOS:000382749700008

Document Type:Article

[Novel porous molybdenum tungsten phosphide hybrid nanosheets on carbon cloth for efficient hydrogen evolution](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200031)

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Volume: 9

Page: 1468-1475

Accession number: WOS:000374351200031

Document Type:Article

[Recent advances in dye-sensitized photoelectrochemical cells for solar hydrogen production based on molecular components](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600004)

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By: Yu, Ze; Li, Fei; Sun, Licheng

Volume: 8

Page: 760-775

Accession number: WOS:000352274600004

Document Type:Review

[Reduced voltage losses yield 10% efficient fullerene free organic solar cells with > 1 V open circuit voltages](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500018)

54

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Volume: 9

Page: 3783-3793

Accession number: WOS:000392915500018

Document Type:Article

[Determination of the exciton binding energy and effective masses for methylammonium and formamidinium lead tri-halide perovskite semiconductors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600026)

54

By: Galkowski, Krzysztof; Mitioglu, Anatolie; Miyata, Atsuhiko; Plochocka, Paulina; Portugall, Oliver; et al.

Volume: 9

Page: 962-970

Accession number: WOS:000372243600026

Document Type:Article

[High efficiency methylammonium lead triiodide perovskite solar cells: the relevance of non-stoichiometric precursors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300011)

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Volume: 8

Page: 3550-3556

Accession number: WOS:000365412300011

Document Type:Article

[Polyoxometalate-functionalized nanocarbon materials for energy conversion, energy storage and sensor systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600005)

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By: Ji, Yuanchun; Huang, Lujiang; Hu, Jun; Streb, Carsten; Song, Yu-Fei

Volume: 8

Page: 776-789

Accession number: WOS:000352274600005

Document Type:Review

[Dopant-free polymeric hole transport materials for highly efficient and stable perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700017)

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By: Kim, Guan-Woo; Kang, Gyeongho; Kim, Jinseck; Lee, Gang-Young; Kim, Hong Il; et al.

Volume: 9

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Accession number: WOS:000382749700017

Document Type:Article

[Sb@C coaxial nanotubes as a superior long-life and high-rate anode for sodium ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700015)

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By: Liu, Zhiming; Yu, Xin-Yao; Lou, Xiong Wen (David); Paik, Ungyu

Volume: 9

Page: 2314-2318

Accession number: WOS:000382749700015

Document Type:Article

[Pinhole-free perovskite films for efficient solar modules](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500014)

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By: Qiu, W.; Merckx, T.; Jaysankar, M.; de la Huerta, C. Masse; Rakocevic, L.; et al.

Volume: 9

Page: 484-489

Accession number: WOS:000369744500014

Document Type:Article

[A review of cathode materials and structures for rechargeable lithium-air batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600001)

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Volume: 8

Page: 2144-2198

Accession number: WOS:000358730600001

Document Type:Review

[Towards superior volumetric performance: design and preparation of novel carbon materials for energy storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900001)

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By: Zhang, Chen; Lv, Wei; Tao, Ying; Yang, Quan-Hong

Volume: 8

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Accession number: WOS:000354192900001

Document Type:Review

[Can slow-moving ions explain hysteresis in the current-voltage curves of perovskite solar cells?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200032)

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Volume: 9

Page: 1476-1485

Accession number: WOS:000374351200032

Document Type:Article

[Efficient perovskite solar cells by metal ion doping](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300016)

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By: Wang, Jacob Tse-Wei; Wang, Zhiping; Pathak, Sandeep; Zhang, Wei; deQuilettes, Dane W.; et al.

Volume: 9

Page: 2892-2901

Accession number: WOS:000382746300016

Document Type:Article

[A three-dimensional porous LiFePO4 cathode material modified with a nitrogen-doped graphene aerogel for high-power lithium ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600012)

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By: Wang, Bo; Al Abdulla, Wael; Wang, Dianlong; Zhao, X. S.

Volume: 8

Page: 869-875

Accession number: WOS:000352274600012

Document Type:Article

[Versatile nanoporous bimetallic phosphides towards electrochemical water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700007)

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By: Tan, Yongwen; Wang, Hao; Liu, Pan; Shen, Yuhao; Cheng, Chun; et al.

Volume: 9

Page: 2257-2261

Accession number: WOS:000382749700007

Document Type:Article

[High-efficiency crystalline silicon solar cells: status and perspectives](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500003)

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By: Battaglia, Corsin; Cuevas, Andres; De Wolf, Stefaan

Volume: 9

Page: 1552-1576

Accession number: WOS:000375699500003

Document Type:Review

[A high performance sulfur-doped disordered carbon anode for sodium ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700009)

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By: Li, Wei; Zhou, Min; Li, Haomiao; Wang, Kangli; Cheng, Shijie; et al.

Volume: 8

Page: 2916-2921

Accession number: WOS:000362351700009

Document Type:Article

[Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900019)

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By: Xia, Xinhui; Zhang, Yongqi; Chao, Dongliang; Xiong, Qinqin; Fan, Zhanxi; et al.

Volume: 8

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Accession number: WOS:000354192900019

Document Type:Article

[Solution processed organic thermoelectrics: towards flexible thermoelectric modules](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900002)

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By: Chen, Yani; Zhao, Yan; Liang, Ziqi

Volume: 8

Page: 401-422

Accession number: WOS:000349616900002

Document Type:Review

[A comparative technoeconomic analysis of renewable hydrogen production using solar energy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700020)

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By: Shaner, Matthew R.; Atwater, Harry A.; Lewis, Nathan S.; McFarland, Eric W.

Volume: 9

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Accession number: WOS:000382749700020

Document Type:Article

[Uniform yolk-shell Sn4P3@C nanospheres as high-capacity and cycle-stable anode materials for sodium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300008)

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Volume: 8

Page: 3531-3538

Accession number: WOS:000365412300008

Document Type:Article

[Particle suspension reactors and materials for solar-driven water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700003)

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By: Fabian, David M.; Hu, Shu; Singh, Nirala; Houle, Frances A.; Hisatomi, Takashi; et al.

Volume: 8

Page: 2825-2850

Accession number: WOS:000362351700003

Document Type:Review

[Band engineering of high performance p-type FeNbSb based half-Heusler thermoelectric materials for figure of merit zT > 1](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600017)

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By: Fu, Chenguang; Zhu, Tiejun; Liu, Yintu; Xie, Hanhui; Zhao, Xinbing

Volume: 8

Page: 216-220

Accession number: WOS:000346563600017

Document Type:Article

[Light trapping in mesoporous solar cells with plasmonic nanostructures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500004)

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By: Erwin, William R.; Zarick, Holly F.; Talbert, Eric M.; Bardhan, Rizia

Volume: 9

Page: 1577-1601

Accession number: WOS:000375699500004

Document Type:Review

[Lithium salts for advanced lithium batteries: Li-metal, Li-O-2, and Li-S](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300004)

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By: Younesi, Reza; Veith, Gabriel M.; Johansson, Patrik; Edstrom, Kristina; Vegge, Tejs

Volume: 8

Page: 1905-1922

Accession number: WOS:000357541300004

Document Type:Review

[Optical properties and limiting photocurrent of thin-film perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900019)

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Volume: 8

Page: 602-609

Accession number: WOS:000349616900019

Document Type:Article

[Enhanced efficiency of polymer solar cells by adding a high-mobility conjugated polymer](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900008)

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Volume: 8

Page: 1463-1470

Accession number: WOS:000354192900008

Document Type:Article

[Non-fullerene polymer solar cells based on a selenophene-containing fused-ring acceptor with photovoltaic performance of 8.6%](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100011)

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Volume: 9

Page: 3429-3435

Accession number: WOS:000387862100011

Document Type:Article

[A perspective on low-temperature solid oxide fuel cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500005)

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Volume: 9

Page: 1602-1644

Accession number: WOS:000375699500005

Document Type:Article

[High-performance polymer solar cells based on a 2D-conjugated polymer with an alkylthio side-chain](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600015)

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Volume: 9

Page: 885-891

Accession number: WOS:000372243600015

Document Type:Article

[Large-scale highly ordered Sb nanorod array anodes with high capacity and rate capability for sodium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700015)

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Volume: 8

Page: 2954-2962

Accession number: WOS:000362351700015

Document Type:Article

[Abnormal crystal growth in CH3NH3PbI3-xClx using a multi-cycle solution coating process](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600024)

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Volume: 8

Page: 2464-2470

Accession number: WOS:000358730600024

Document Type:Article

[Structural and optical properties of methylammonium lead iodide across the tetragonal to cubic phase transition: implications for perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700018)

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Volume: 9

Page: 155-163

Accession number: WOS:000367622700018

Document Type:Article

[A dual-metal-organic-framework derived electrocatalyst for oxygen reduction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200010)

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Volume: 9

Page: 3092-3096

Accession number: WOS:000386336200010

Document Type:Article

[Atomic layer deposited TiO2 on a nitrogen-doped graphene/sulfur electrode for high performance lithium-sulfur batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200034)

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Volume: 9

Page: 1495-1503

Accession number: WOS:000374351200034

Document Type:Article

[Unprecedented metal-free 3D porous carbonaceous electrodes for full water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200004)

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Volume: 9

Page: 1210-1214

Accession number: WOS:000374351200004

Document Type:Article

[Co@NH2-MIL-125(Ti): cobaloxime-derived metal-organic framework-based composite for light-driven H-2 production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600032)

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Volume: 8

Page: 364-375

Accession number: WOS:000346563600032

Document Type:Article

[A novel synergistic composite with multi-functional effects for high-performance Li-S batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200006)

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Volume: 9

Page: 1998-2004

Accession number: WOS:000378244200006

Document Type:Article

[Strategic review of secondary phases, defects and defect-complexes in kesterite CZTS-Se solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500006)

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By: Kumar, Mukesh; Dubey, Ashish; Adhikari, Nirmal; Venkatesan, Swaminathan; Qiao, Qiquan

Volume: 8

Page: 3134-3159

Accession number: WOS:000364324500006

Document Type:Review

[Achieving overall water splitting using titanium dioxide-based photocatalysts of different phases](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600014)

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Volume: 8

Page: 2377-2382

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Document Type:Article

[Exciton diffusion in organic semiconductors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300002)

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By: Mikhnenko, Oleksandr V.; Blom, Paul W. M.; Thuc-Quyen Nguyen

Volume: 8

Page: 1867-1888

Accession number: WOS:000357541300002

Document Type:Review

[Potential of microporous metal-organic frameworks for separation of hydrocarbon mixtures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500002)

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Volume: 9

Page: 3612-3641

Accession number: WOS:000392915500002

Document Type:Review

[Bimetallic PdPt nanowire networks with enhanced electrocatalytic activity for ethylene glycol and glycerol oxidation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700008)

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By: Hong, Wei; Shang, Changshuai; Wang, Jin; Wang, Erkang

Volume: 8

Page: 2910-2915

Accession number: WOS:000362351700008

Document Type:Article

[Extraordinary role of Hg in enhancing the thermoelectric performance of p-type SnTe](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600023)

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Volume: 8

Page: 267-277

Accession number: WOS:000346563600023

Document Type:Article

[Structural and mechanistic basis for the high activity of Fe-N-C catalysts toward oxygen reduction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700026)

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By: Li, Jingkun; Ghoshal, Shraboni; Liang, Wentao; Sougrati, Moulay-Tahar; Jaouen, Frederic; et al.

Volume: 9

Page: 2418-2432

Accession number: WOS:000382749700026

Document Type:Article

[Electrolyte additives for lithium ion battery electrodes: progress and perspectives](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200004)

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By: Haregewoin, Atetegeb Meazah; Wotango, Aselefech Sorsa; Hwang, Bing-Joe

Volume: 9

Page: 1955-1988

Accession number: WOS:000378244200004

Document Type:Review

[Switching effective oxygen reduction and evolution performance by controlled graphitization of a cobalt-nitrogen-carbon framework system](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500009)

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By: Gadipelli, Srinivas; Zhao, Tingting; Shevlin, Stephen A.; Guo, Zhengxiao

Volume: 9

Page: 1661-1667

Accession number: WOS:000375699500009

Document Type:Article

[Colloidal quantum dot ligand engineering for high performance solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200001)

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By: Wang, Ruili; Shang, Yuequn; Kanjanaboos, Pongsakorn; Zhou, Wenjia; Ning, Zhijun; et al.

Volume: 9

Page: 1130-1143

Accession number: WOS:000374351200001

Document Type:Article

[The intriguing question of anionic redox in high-energy density cathodes for Li-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600028)

42

By: Saubanere, M.; McCalla, E.; Tarascon, J. -M.; Doublet, M. -L.

Volume: 9

Page: 984-991

Accession number: WOS:000372243600028

Document Type:Article

[Pathways for solar photovoltaics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500007)

42

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Volume: 8

Page: 1200-1219

Accession number: WOS:000352275500007

Document Type:Article

[Solution-processed ferroelectric terpolymer nanocomposites with high breakdown strength and energy density utilizing boron nitride nanosheets](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600018)

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Volume: 8

Page: 922-931

Accession number: WOS:000352274600018

Document Type:Article

[Design and construction of three dimensional graphene- based composites for lithium ion battery applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900005)

42

By: Luo, Bin; Zhi, Linjie

Volume: 8

Page: 456-477

Accession number: WOS:000349616900005

Document Type:Review

[Microbial electrochemistry and technology: terminology and classification](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900007)

41

By: Schroeder, Uwe; Harnisch, Falk; Angenent, Largus T.

Volume: 8

Page: 513-519

Accession number: WOS:000349616900007

Document Type:Review

[Ultra-thick graphene bulk supercapacitor electrodes for compact energy storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200017)

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Volume: 9

Page: 3135-3142

Accession number: WOS:000386336200017

Document Type:Article

[Air-processed polymer tandem solar cells with power conversion efficiency exceeding 10%](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700007)

41

By: Li, Ning; Brabec, Christoph J.

Volume: 8

Page: 2902-2909

Accession number: WOS:000362351700007

Document Type:Article

[Hybrid interfacial layer leads to solid performance improvement of inverted perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900022)

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By: Chen, Wei; Wu, Yongzhen; Liu, Jian; Qin, Chuanjiang; Yang, Xudong; et al.

Volume: 8

Page: 629-640

Accession number: WOS:000349616900022

Document Type:Article

[High efficiency hybrid PEDOT:PSS/nanostructured silicon Schottky junction solar cells by doping-free rear contact](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600026)

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By: Zhang, Yunfang; Cui, Wei; Zhu, Yawen; Zu, Fengshuo; Liao, Liangsheng; et al.

Volume: 8

Page: 297-302

Accession number: WOS:000346563600026

Document Type:Article

[Hematite heterostructures for photoelectrochemical water splitting: rational materials design and charge carrier dynamics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300004)

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By: Shen, Shaohua; Lindley, Sarah A.; Chen, Xiangyan; Zhang, Jin Z.

Volume: 9

Page: 2744-2775

Accession number: WOS:000382746300004

Document Type:Review

[Functionalization of chemically derived graphene for improving its electrocapacitive energy storage properties](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200002)

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By: Lei, Zhibin; Zhang, Jintao; Zhang, Li Li; Kumar, Nanjundan Ashok; Zhao, X. S.

Volume: 9

Page: 1891-1930

Accession number: WOS:000378244200002

Document Type:Review

[Broad temperature plateau for high ZTs in heavily doped p-type SnSe single crystals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500009)

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Volume: 9

Page: 454-460

Accession number: WOS:000369744500009

Document Type:Article

[A new approach to prepare highly active and stable black titania for visible light-assisted hydrogen production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300009)

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By: Sinhamahapatra, Apurba; Jeon, Jong-Pil; Yu, Jong-Sung

Volume: 8

Page: 3539-3544

Accession number: WOS:000365412300009

Document Type:Article

[Novel scalable synthesis of highly conducting and robust PEDOT paper for a high performance flexible solid supercapacitor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500022)

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By: Anothumakkool, Bihag; Soni, Roby; Bhange, Siddheshwar N.; Kurungot, Sreekumar

Volume: 8

Page: 1339-1347

Accession number: WOS:000352275500022

Document Type:Article

[Adipic acid production from lignin](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900021)

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Volume: 8

Page: 617-628

Accession number: WOS:000349616900021

Document Type:Article

[NaTiO2: a layered anode material for sodium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600014)

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By: Wu, Di; Li, Xin; Xu, Bo; Twu, Nancy; Liu, Lei; et al.

Volume: 8

Page: 195-202

Accession number: WOS:000346563600014

Document Type:Article

[Progress, challenges and perspectives in flexible perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200003)

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By: Di Giacomo, Francesco; Fakharuddin, Azhar; Jose, Rajan; Brown, Thomas M.

Volume: 9

Page: 3007-3035

Accession number: WOS:000386336200003

Document Type:Review

[Performance and design considerations for lithium excess layered oxide positive electrode materials for lithium ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200003)

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By: Hy, Sunny; Liu, Haodong; Zhang, Minghao; Qian, Danna; Hwang, Bing-Joe; et al.

Volume: 9

Page: 1931-1954

Accession number: WOS:000378244200003

Document Type:Review

[Effect of interlayer anions on [NiFe]-LDH nanosheet water oxidation activity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500017)

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By: Hunter, B. M.; Hieringer, W.; Winkler, J. R.; Gray, H. B.; Mueller, A. M.

Volume: 9

Page: 1734-1743

Accession number: WOS:000375699500017

Document Type:Article

[Transforming organic-rich amaranthus waste into nitrogen-doped carbon with superior performance of the oxygen reduction reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600018)

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By: Gao, Shuyan; Geng, Keran; Liu, Haiying; Wei, Xianjun; Zhang, Min; et al.

Volume: 8

Page: 221-229

Accession number: WOS:000346563600018

Document Type:Article

[Dithienopicenocarbazole as the kernel module of low-energy-gap organic dyes for efficient conversion of sunlight to electricity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500012)

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Volume: 8

Page: 3192-3197

Accession number: WOS:000364324500012

Document Type:Article

[Thermal degradation of CH3NH3PbI3 perovskite into NH3 and CH3I gases observed by coupled thermogravimetry-mass spectrometry analysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100007)

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By: Juarez-Perez, Emilio J.; Hawash, Zafer; Raga, Sonia R.; Ono, Luis K.; Qi, Yabing

Volume: 9

Page: 3406-3410

Accession number: WOS:000387862100007

Document Type:Article

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Volume: 9

Page: 3221-3229

Accession number: WOS:000386336200026

Document Type:Article

[TiO2/graphene/NiFe-layered double hydroxide nanorod array photoanodes for efficient photoelectrochemical water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700018)

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By: Ning, Fanyu; Shao, Mingfei; Xu, Simin; Fu, Yi; Zhang, Ruikang; et al.

Volume: 9

Page: 2633-2643

Accession number: WOS:000384921700018

Document Type:Article

[Enhancing the cycling stability of Na-ion batteries by bonding SnS2 ultrafine nanocrystals on amino-functionalized graphene hybrid nanosheets](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200027)

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By: Jiang, Yong; Wei, Min; Feng, Jinkui; Ma, Yuchen; Xiong, Shenglin

Volume: 9

Page: 1430-1438

Accession number: WOS:000374351200027

Document Type:Article

[Achieving long-term stable perovskite solar cells via ion neutralization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200011)

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Volume: 9

Page: 1258-1263

Accession number: WOS:000374351200011

Document Type:Article

[Enabling an integrated tantalum nitride photoanode to approach the theoretical photocurrent limit for solar water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200019)

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Volume: 9

Page: 1327-1334

Accession number: WOS:000374351200019

Document Type:Article

[ZnO cathode buffer layers for inverted polymer solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300004)

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Volume: 8

Page: 3442-3476

Accession number: WOS:000365412300004

Document Type:Review

[Closing the loop: captured CO2 as a feedstock in the chemical industry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500023)

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Volume: 8

Page: 3283-3297

Accession number: WOS:000364324500023

Document Type:Article

[Photochemical upconversion: present status and prospects for its application to solar energy conversion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600007)

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Volume: 8

Page: 103-125

Accession number: WOS:000346563600007

Document Type:Review

[Carrier trapping and recombination: the role of defect physics in enhancing the open circuit voltage of metal halide perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100016)

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Volume: 9

Page: 3472-3481

Accession number: WOS:000387862100016

Document Type:Article

[Optimizing nanoparticle perovskite for bifunctional oxygen electrocatalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700020)

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Volume: 9

Page: 176-183

Accession number: WOS:000367622700020

Document Type:Article

[Solution-processable metal oxides/chelates as electrode buffer layers for efficient and stable polymer solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500001)

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Volume: 8

Page: 1059-1091

Accession number: WOS:000352275500001

Document Type:Review

[Unexpected discovery of low-cost maricite NaFePO4 as a high-performance electrode for Na-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900011)

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Volume: 8

Page: 540-545

Accession number: WOS:000349616900011

Document Type:Article

[Dual nature of the excited state in organic-inorganic lead halide perovskites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600016)

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Volume: 8

Page: 208-215

Accession number: WOS:000346563600016

Document Type:Article

[Ferroelectric materials for solar energy conversion: photoferroics revisited](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600008)

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By: Butler, Keith T.; Frost, Jarvist M.; Walsh, Aron

Volume: 8

Page: 838-848

Accession number: WOS:000352274600008

Document Type:Article

[Iron based catalysts from novel low-cost organic precursors for enhanced oxygen reduction reaction in neutral media microbial fuel cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700019)

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Volume: 9

Page: 2346-2353

Accession number: WOS:000382749700019

Document Type:Article

[Li-O-2 cells with LiBr as an electrolyte and a redox mediator](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700018)

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Volume: 9

Page: 2334-2345

Accession number: WOS:000382749700018

Document Type:Article

[Universal energy level tailoring of self-organized hole extraction layers in organic solar cells and organic-inorganic hybrid perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600022)

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Volume: 9

Page: 932-939

Accession number: WOS:000372243600022

Document Type:Article

[Fluorination on both D and A units in D-A type conjugated copolymers based on difluorobithiophene and benzothiadiazole for highly efficient polymer solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600021)

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Volume: 8

Page: 2427-2434

Accession number: WOS:000358730600021

Document Type:Article

[A high performance lithium-ion sulfur battery based on a Li2S cathode using a dual-phase electrolyte](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900018)

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By: Wang, Lina; Wang, Yonggang; Xia, Yongyao

Volume: 8

Page: 1551-1558

Accession number: WOS:000354192900018

Document Type:Article

[Record activity and stability of dealloyed bimetallic catalysts for proton exchange membrane fuel cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600022)

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Volume: 8

Page: 258-266

Accession number: WOS:000346563600022

Document Type:Article

[Pressure-retarded osmosis for power generation from salinity gradients: is it viable?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700002)

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By: Straub, Anthony P.; Deshmukh, Akshay; Elimelech, Menachem

Volume: 9

Page: 31-48

Accession number: WOS:000367622700002

Document Type:Review

[Sodium intercalation chemistry in graphite](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700016)

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Volume: 8

Page: 2963-2969

Accession number: WOS:000362351700016

Document Type:Article

[A simple spiro-type hole transporting material for efficient perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300009)

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Volume: 8

Page: 1986-1991

Accession number: WOS:000357541300009

Document Type:Article

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Volume: 8

Page: 897-909

Accession number: WOS:000352274600015

Document Type:Article

[Mesostructured NiO/Ni composites for high-performance electrochemical energy storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200014)

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Volume: 9

Page: 2053-2060

Accession number: WOS:000378244200014

Document Type:Article

[Tailored graphene systems for unconventional applications in energy conversion and storage devices](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600004)

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Volume: 8

Page: 31-54

Accession number: WOS:000346563600004

Document Type:Article

[Light-induced annihilation of Frenkel defects in organo-lead halide perovskites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200022)

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By: Mosconi, Edoardo; Meggiolaro, Daniele; Snaith, Henry J.; Stranks, Samuel D.; De Angelis, Filippo

Volume: 9

Page: 3180-3187

Accession number: WOS:000386336200022

Document Type:Article

[An overview of advances in biomass gasification](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200001)

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By: Sikarwar, Vineet Singh; Zhao, Ming; Clough, Peter; Yao, Joseph; Zhong, Xia; et al.

Volume: 9

Page: 2939-2977

Accession number: WOS:000386336200001

Document Type:Review

[A monolithically integrated, intrinsically safe, 10% efficient, solar-driven water-splitting system based on active, stable earth-abundant electrocatalysts in conjunction with tandem III-V light absorbers protected by amorphous TiO2 films](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500008)

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By: Verlage, Erik; Hu, Shu; Liu, Rui; Jones, Ryan J. R.; Sun, Ke; et al.

Volume: 8

Page: 3166-3172

Accession number: WOS:000364324500008

Document Type:Article

[Water oxidation by amorphous cobalt-based oxides: in situ tracking of redox transitions and mode of catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900025)

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Volume: 8

Page: 661-674

Accession number: WOS:000349616900025

Document Type:Article

[Mechanical degradation and stability of organic solar cells: molecular and microstructural determinants](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600005)

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Volume: 8

Page: 55-80

Accession number: WOS:000346563600005

Document Type:Review

[Efficient vacuum deposited p-i-n and n-i-p perovskite solar cells employing doped charge transport layers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100014)

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Volume: 9

Page: 3456-3463

Accession number: WOS:000387862100014

Document Type:Article

[All-inkjet-printed, solid-state flexible supercapacitors on paper](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300009)

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By: Choi, Keun-Ho; Yoo, JongTae; Lee, Chang Kee; Lee, Sang-Young

Volume: 9

Page: 2812-2821

Accession number: WOS:000382746300009

Document Type:Article

[High-energy-density lithium-ion battery using a carbon-nanotube-Si composite anode and a compositionally graded Li[Ni0.85Co0.05Mn0.10]O-2 cathode](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200024)

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Volume: 9

Page: 2152-2158

Accession number: WOS:000378244200024

Document Type:Article

[Branched methoxydiphenylamine-substituted fluorene derivatives as hole transporting materials for high-performance perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500012)

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Volume: 9

Page: 1681-1686

Accession number: WOS:000375699500012

Document Type:Article

[Development of novel lithium borate additives for designed surface modification of high voltage LiNi0.5Mn1.5O4 cathodes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200017)

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Volume: 9

Page: 1308-1319

Accession number: WOS:000374351200017

Document Type:Article

[Structure of the high voltage phase of layered P2-Na2/3-z[Mn1/2Fe1/2]O-2 and the positive effect of Ni substitution on its stability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600029)

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By: Talaie, Elahe; Duffort, Victor; Smith, Hillary L.; Fultz, Brent; Nazar, Linda F.

Volume: 8

Page: 2512-2523

Accession number: WOS:000358730600029

Document Type:Article

[Tailoring the composition of ultrathin, ternary alloy PtRuFe nanowires for the methanol oxidation reaction and formic acid oxidation reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600031)

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Volume: 8

Page: 350-363

Accession number: WOS:000346563600031

Document Type:Article

[Ni-based bimetallic heterogeneous catalysts for energy and environmental applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100001)

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By: De, Sudipta; Zhang, Jiaguang; Luque, Rafael; Yan, Ning

Volume: 9

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Accession number: WOS:000387862100001

Document Type:Review

[Recent advances in titanium-based electrode materials for stationary sodium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200002)

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By: Guo, Shaohua; Yi, Jin; Sun, Yang; Zhou, Haoshen

Volume: 9

Page: 2978-3006

Accession number: WOS:000386336200002

Document Type:Review

[The morphology-controlled synthesis of a nanoporous-antimony anode for high-performance sodium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200007)

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By: Liu, Shuai; Feng, Jinkui; Bian, Xiufang; Liu, Jie; Xu, Hui

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Page: 1229-1236

Accession number: WOS:000374351200007

Document Type:Article

[High-performance ternary blend all-polymer solar cells with complementary absorption bands from visible to near-infrared wavelengths](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700015)

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By: Benten, Hiroaki; Nishida, Takaya; Mori, Daisuke; Xu, Huajun; Ohkita, Hideo; et al.

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Accession number: WOS:000367622700015

Document Type:Article

[Mass-scalable synthesis of 3D porous germanium-carbon composite particles as an ultra-high rate anode for lithium ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300015)

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By: Duc Tung Ngo; Le, Hang T. T.; Kim, Chanhoon; Lee, Jae-Young; Fisher, John G.; et al.

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Accession number: WOS:000365412300015

Document Type:Article

[Stability assessment of alternative platinum free counter electrodes for dye-sensitized solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300006)

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By: Yun, Sining; Lund, Peter D.; Hinsch, Andreas

Volume: 8

Page: 3495-3514

Accession number: WOS:000365412300006

Document Type:Review

[Mesoporous pores impregnated with Au nanoparticles as effective dielectrics for enhancing triboelectric nanogenerator performance in harsh environments](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700022)

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By: Chun, Jinsung; Kim, Jin Woong; Jung, Woo-Suk; Kang, Chong-Yun; Kim, Sang-Woo; et al.

Volume: 8

Page: 3006-3012

Accession number: WOS:000362351700022

Document Type:Article

[Eldfellite, NaFe(SO4)(2): an intercalation cathode host for low-cost Na-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700021)

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By: Singh, Preetam; Shiva, Konda; Celio, Hugo; Goodenough, John B.

Volume: 8

Page: 3000-3005

Accession number: WOS:000362351700021

Document Type:Article

[Metal organic frameworks for photo-catalytic water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300005)

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By: Meyer, K.; Ranocchiari, M.; van Bokhoven, J. A.

Volume: 8

Page: 1923-1937

Accession number: WOS:000357541300005

Document Type:Article

[Construction of hybrid bowl-like structures by anchoring NiO nanosheets on flat carbon hollow particles with enhanced lithium storage properties](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700009)

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By: Liang, Jin; Hu, Han; Park, Hyunjung; Xiao, Chunhui; Ding, Shujiang; et al.

Volume: 8

Page: 1707-1711

Accession number: WOS:000355985700009

Document Type:Article

[Hierarchical tubular structures constructed from ultrathin TiO2(B) nanosheets for highly reversible lithium storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900010)

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By: Hu, Han; Yu, Le; Gao, Xuehui; Lin, Zhan; Lou, Xiong Wen (David)

Volume: 8

Page: 1480-1483

Accession number: WOS:000354192900010

Document Type:Article

[Mechanistic insights into solar water oxidation by cobalt-phosphate-modified alpha-Fe2O3 photoanodes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900016)

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By: Carroll, Gerard M.; Zhong, Diane K.; Gamelin, Daniel R.

Volume: 8

Page: 577-584

Accession number: WOS:000349616900016

Document Type:Article

[Nanostructured positive electrode materials for post-lithium ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500001)

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By: Wang, Faxing; Wu, Xiongwei; Li, Chunyang; Zhu, Yusong; Fu, Lijun; et al.

Volume: 9

Page: 3570-3611

Accession number: WOS:000392915500001

Document Type:Review

[SnSe: a remarkable new thermoelectric material](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200005)

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By: Zhao, Li-Dong; Chang, Cheng; Tan, Gangjian; Kanatzidis, Mercouri G.

Volume: 9

Page: 3044-3060

Accession number: WOS:000386336200005

Document Type:Article

[Engineering water dissociation sites in MoS2 nanosheets for accelerated electrocatalytic hydrogen production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300006)

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By: Zhang, Jian; Wang, Tao; Liu, Pan; Liu, Shaohua; Dong, Renhao; et al.

Volume: 9

Page: 2789-2793

Accession number: WOS:000382746300006

Document Type:Article

[A self-defense redox mediator for efficient lithium-O-2 batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600032)

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By: Zhang, Tao; Liao, Kaiming; He, Ping; Zhou, Haoshen

Volume: 9

Page: 1024-1030

Accession number: WOS:000372243600032

Document Type:Article

[Intrinsic femtosecond charge generation dynamics in single crystal CH3NH3PbI3](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300027)

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By: Valverde-Chavez, David A.; Ponseca, Carlito S., Jr.; Stoumpos, Constantinos C.; Yartsev, Arkady; Kanatzidis, Mercouri G.; et al.

Volume: 8

Page: 3700-3707

Accession number: WOS:000365412300027

Document Type:Article

[Nonaqueous redox-flow batteries: organic solvents, supporting electrolytes, and redox pairs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300007)

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By: Gong, Ke; Fang, Qianrong; Gu, Shuang; Li, Sam Fong Yau; Yan, Yushan

Volume: 8

Page: 3515-3530

Accession number: WOS:000365412300007

Document Type:Article

[A review of developments in pilot-plant testing and modelling of calcium looping process for CO2 capture from power generation systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600002)

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By: Hanak, Dawid P.; Anthony, Edward J.; Manovic, Vasilije

Volume: 8

Page: 2199-2249

Accession number: WOS:000358730600002

Document Type:Review

[NaCrO2 cathode for high-rate sodium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300014)

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By: Yu, Chan-Yeop; Park, Jae-Sang; Jung, Hun-Gi; Chung, Kyung-Yoon; Aurbach, Doron; et al.

Volume: 8

Page: 2019-2026

Accession number: WOS:000357541300014

Document Type:Article

[A dopant free linear acene derivative as a hole transport material for perovskite pigmented solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700020)

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By: Kazim, Samrana; Ramos, F. Javier; Gao, Peng; Nazeeruddin, Mohammad Khaja; Graetzel, Michael; et al.

Volume: 8

Page: 1816-1823

Accession number: WOS:000355985700020

Document Type:Article

[A highly active nanostructured metallic oxide cathode for aprotic Li-O-2 batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500017)

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By: Kundu, Dipan; Black, Robert; Berg, Erik Jaemstorp; Nazar, Linda F.

Volume: 8

Page: 1292-1298

Accession number: WOS:000352275500017

Document Type:Article

[Recent progress in solar cells based on one-dimensional nanomaterials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500004)

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By: Sun, Hao; Deng, Jue; Qiu, Longbin; Fang, Xin; Peng, Huisheng

Volume: 8

Page: 1139-1159

Accession number: WOS:000352275500004

Document Type:Review

[Spinel compounds as multivalent battery cathodes: a systematic evaluation based on ab initio calculations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600022)

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By: Liu, Miao; Rong, Ziqin; Malik, Rahul; Canepa, Pieremanuele; Jain, Anubhav; et al.

Volume: 8

Page: 964-974

Accession number: WOS:000352274600022

Document Type:Article

[Hierarchical DSSC structures based on single walled TiO2 nanotube arrays reach a back-side illumination solar light conversion efficiency of 8%](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600009)

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By: So, Seulgi; Hwang, Imgon; Schmuki, Patrik

Volume: 8

Page: 849-854

Accession number: WOS:000352274600009

Document Type:Article

[A general framework for the assessment of solar fuel technologies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600008)

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By: Herron, Jeffrey A.; Kim, Jiyong; Upadhye, Aniruddha A.; Huber, George W.; Maravelias, Christos T.

Volume: 8

Page: 126-157

Accession number: WOS:000346563600008

Document Type:Article

[Enhancing charge separation on high symmetry SrTiO3 exposed with anisotropic facets for photocatalytic water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700030)

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By: Mu, Linchao; Zhao, Yue; Li, Ailong; Wang, Shengyang; Wang, Zhiliang; et al.

Volume: 9

Page: 2463-2469

Accession number: WOS:000382749700030

Document Type:Article

[Morphology changes upon scaling a high-efficiency, solution-processed solar cell](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300011)

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Volume: 9

Page: 2835-2846

Accession number: WOS:000382746300011

Document Type:Article

[Dramatically enhanced reversibility of Li2O in SnO2-based electrodes: the effect of nanostructure on high initial reversible capacity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500024)

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By: Hu, Renzong; Chen, Dongchang; Waller, Gordon; Ouyang, Yunpeng; Chen, Yu; et al.

Volume: 9

Page: 595-603

Accession number: WOS:000369744500024

Document Type:Article

[Unparalleled lithium and sodium superionic conduction in solid electrolytes with large monovalent cage-like anions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300021)

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By: Tang, Wan Si; Unemoto, Atsushi; Zhou, Wei; Stavila, Vitalie; Matsuo, Motoaki; et al.

Volume: 8

Page: 3637-3645

Accession number: WOS:000365412300021

Document Type:Article

[Renewable fuels from concentrated solar power: towards practical artificial photosynthesis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600026)

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By: Bonke, Shannon A.; Wiechen, Mathias; MacFarlane, Douglas R.; Spiccia, Leone

Volume: 8

Page: 2791-2796

Accession number: WOS:000360456600026

Document Type:Article

[100% clean and renewable wind, water, and sunlight (WWS) all-sector energy roadmaps for the 50 United States](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300022)

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By: Jacobson, Mark Z.; Delucchi, Mark A.; Bazouin, Guillaume; Bauer, Zack A. F.; Heavey, Christa C.; et al.

Volume: 8

Page: 2093-2117

Accession number: WOS:000357541300022

Document Type:Article

[Chemical vapor deposition and atomic layer deposition for advanced lithium ion batteries and supercapacitors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300003)

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By: Wang, Xinran; Yushin, Gleb

Volume: 8

Page: 1889-1904

Accession number: WOS:000357541300003

Document Type:Review

[Hierarchical zigzag Na1.25V3O8 nanowires with topotactically encoded superior performance for sodium-ion battery cathodes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500015)

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By: Dong, Yifan; Li, Shuo; Zhao, Kangning; Han, Chunhua; Chen, Wei; et al.

Volume: 8

Page: 1267-1275

Accession number: WOS:000352275500015

Document Type:Article

[High-performance symmetric sodium-ion batteries using a new, bipolar O3-type material, Na0.8Ni0.4Ti0.6O2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500011)

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By: Guo, Shaohua; Yu, Haijun; Liu, Pan; Ren, Yang; Zhang, Tao; et al.

Volume: 8

Page: 1237-1244

Accession number: WOS:000352275500011

Document Type:Article

[The materials genome in action: identifying the performance limits for methane storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500006)

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By: Simon, Cory M.; Kim, Jihan; Gomez-Gualdron, Diego A.; Camp, Jeffrey S.; Chung, Yongchul G.; et al.

Volume: 8

Page: 1190-1199

Accession number: WOS:000352275500006

Document Type:Article

[Bulk heterojunction perovskite hybrid solar cells with large fill factor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500012)

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By: Wang, Kai; Liu, Chang; Du, Pengcheng; Zheng, Jie; Gong, Xiong

Volume: 8

Page: 1245-1255

Accession number: WOS:000352275500012

Document Type:Article

[A high capacity thiospinel cathode for Mg batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700010)

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By: Sun, Xiaoqi; Bonnick, Patrick; Duffort, Victor; Liu, Miao; Rong, Ziqin; et al.

Volume: 9

Page: 2273-2277

Accession number: WOS:000382749700010

Document Type:Article

[The origin of low thermal conductivity in Sn1-xSbxTe: phonon scattering via layered intergrowth nanostructures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200008)

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By: Banik, Ananya; Vishal, Badri; Perumal, Suresh; Datta, Ranjan; Biswas, Kanishka

Volume: 9

Page: 2011-2019

Accession number: WOS:000378244200008

Document Type:Article

[Silolothiophene-linked triphenylamines as stable hole transporting materials for high efficiency perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700014)

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By: Abate, Antonio; Paek, Sanghyun; Giordano, Fabrizio; Correa-Baena, Juan-Pablo; Saliba, Michael; et al.

Volume: 8

Page: 2946-2953

Accession number: WOS:000362351700014

Document Type:Article

[Crystallinity control of TiO2 hollow shells through resin-protected calcination for enhanced photocatalytic activity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600025)

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By: Liu, Hongyan; Joo, Ji Bong; Dahl, Michael; Fu, Lishun; Zeng, Zhengzhi; et al.

Volume: 8

Page: 286-296

Accession number: WOS:000346563600025

Document Type:Article

[An advanced high-energy sodium ion full battery based on nanostructured Na2Ti3O7/VOPO4 layered materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100006)

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By: Li, Hongsen; Peng, Lele; Zhu, Yue; Chen, Dahong; Zhang, Xiaogang; et al.

Volume: 9

Page: 3399-3405

Accession number: WOS:000387862100006

Document Type:Article

[Kinetically-enhanced polysulfide redox reactions by Nb2O5 nanocrystals for high-rate lithium-sulfur battery](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200027)

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By: Tao, Yingqing; Wei, Yanju; Liu, Yu; Wang, Jitong; Qiao, Wenming; et al.

Volume: 9

Page: 3230-3239

Accession number: WOS:000386336200027

Document Type:Article

[A core-shell electrode for dynamically and statically stable Li-S battery chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200023)

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By: Chung, Sheng-Heng; Chang, Chi-Hao; Manthiram, Arumugam

Volume: 9

Page: 3188-3200

Accession number: WOS:000386336200023

Document Type:Article

[A 3D bi-functional porous N-doped carbon microtube sponge electrocatalyst for oxygen reduction and oxygen evolution reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200008)

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By: Li, Jin-Cheng; Hou, Peng-Xiang; Zhao, Shi-Yong; Liu, Chang; Tang, Dai-Ming; et al.

Volume: 9

Page: 3079-3084

Accession number: WOS:000386336200008

Document Type:Article

[Bismuth oxide: a versatile high-capacity electrode material for rechargeable aqueous metal-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300015)

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By: Zuo, Wenhua; Zhu, Weihua; Zhao, Dengfeng; Sun, Yunfei; Li, Yuanyuan; et al.

Volume: 9

Page: 2881-2891

Accession number: WOS:000382746300015

Document Type:Article

[Comparison of heterogenized molecular and heterogeneous oxide catalysts for photoelectrochemical water oxidation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500023)

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By: Li, Wei; He, Da; Sheehan, Stafford W.; He, Yumin; Thorne, James E.; et al.

Volume: 9

Page: 1794-1802

Accession number: WOS:000375699500023

Document Type:Article

[Morphological and electrical control of fullerene dimerization determines organic photovoltaic stability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700029)

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By: Heumueller, Thomas; Mateker, William R.; Distler, Andreas; Fritze, Urs F.; Cheacharoen, Rongrong; et al.

Volume: 9

Page: 247-256

Accession number: WOS:000367622700029

Document Type:Article

[Large-scale electricity storage utilizing reversible solid oxide cells combined with underground storage of CO2 and CH4](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600025)

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Volume: 8

Page: 2471-2479

Accession number: WOS:000358730600025

Document Type:Article

[Trapping lithium polysulfides of a Li-S battery by forming lithium bonds in a polymer matrix](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600016)

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By: Park, Kyusung; Cho, Joon Hee; Jang, Ji-Hoon; Yu, Byeong-Chul; De La Hoz, Andreah T.; et al.

Volume: 8

Page: 2389-2395

Accession number: WOS:000358730600016

Document Type:Article

[Measuring thermoelectric transport properties of materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900003)

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By: Borup, Kasper A.; de Boor, Johannes; Wang, Heng; Drymiotis, Fivos; Gascoin, Franck; et al.

Volume: 8

Page: 423-435

Accession number: WOS:000349616900003

Document Type:Review

[Pt-Ru catalyzed hydrogen oxidation in alkaline media: oxophilic effect or electronic effect?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600011)

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Volume: 8

Page: 177-181

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[An efficient bifunctional two-component catalyst for oxygen reduction and oxygen evolution in reversible fuel cells, electrolyzers and rechargeable air electrodes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200009)

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Volume: 9

Page: 2020-2024

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Volume: 9

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Accession number: WOS:000378244200016

Document Type:Article

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Volume: 9

Page: 1439-1449

Accession number: WOS:000374351200028

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Volume: 9

Page: 224-231

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Volume: 8

Page: 3298-3312

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[Highly efficient polymer solar cells cast from non-halogenated xylene/anisaldehyde solution](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600020)

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Volume: 8

Page: 2744-2752

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Volume: 8

Page: 1998-2002

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Volume: 8

Page: 1712-1718

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Volume: 8

Page: 389-400

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Volume: 9

Page: 1282-1289

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Volume: 9

Page: 1042-1049

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Volume: 9

Page: 95-101

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Volume: 8

Page: 2048-2055

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[Monodentate hydroxide as a super strong yet reversible active site for CO2 capture from high-humidity flue gas](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600027)

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Volume: 8

Page: 1011-1016

Accession number: WOS:000352274600027

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Volume: 8

Page: 158-168

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[Towards industrial products from microalgae](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200004)

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Volume: 9

Page: 3036-3043

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[An order/disorder/water junction system for highly efficient co-catalyst-free photocatalytic hydrogen generation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500016)

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Volume: 9

Page: 499-503

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Page: 441-447

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Volume: 8

Page: 3160-3165

Accession number: WOS:000364324500007

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[Anomalously large interface charge in polarity-switchable photovoltaic devices: an indication of mobile ions in organic-inorganic halide perovskites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500013)

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Volume: 8

Page: 1256-1260

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Volume: 8

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Volume: 9

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Volume: 9

Page: 2563-2570

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Document Type:Article

[Ultrafast charge-discharge characteristics of a nanosized core-shell structured LiFePO4 material for hybrid supercapacitor applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200023)

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Volume: 9

Page: 2143-2151

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Volume: 9

Page: 1783-1793

Accession number: WOS:000375699500022

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[High-rate in-plane micro-supercapacitors scribed onto photo paper using in situ femtolaser-reduced graphene oxide/Au nanoparticle microelectrodes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200030)

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Volume: 9

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Volume: 9

Page: 906-911

Accession number: WOS:000372243600018

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[Carbon nanotube-based hybrid hole-transporting material and selective contact for high efficiency perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500010)

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Volume: 9

Page: 461-466

Accession number: WOS:000369744500010

Document Type:Article

[Layered phosphorus-like GeP5: a promising anode candidate with high initial coulombic efficiency and large capacity for lithium ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300020)

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Volume: 8

Page: 3629-3636

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Document Type:Article

[Shape memory polymer-based self-healing triboelectric nanogenerator](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300018)

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Volume: 8

Page: 3605-3613

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[A new class of high capacity cation-disordered oxides for rechargeable lithium batteries: Li-Ni-Ti-Mo oxides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500020)

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Volume: 8

Page: 3255-3265

Accession number: WOS:000364324500020

Document Type:Article

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Volume: 8

Page: 1276-1291

Accession number: WOS:000352275500016

Document Type:Article

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Volume: 8

Page: 862-868

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[Current methodologies for a sustainable approach to pi-conjugated organic semiconductors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600004)

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Volume: 9

Page: 763-786

Accession number: WOS:000372243600004

Document Type:Review

[Polyethylenimine promoted electrocatalytic reduction of CO2 to CO in aqueous medium by graphene-supported amorphous molybdenum sulphide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700025)

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Volume: 9

Page: 216-223

Accession number: WOS:000367622700025

Document Type:Article

[Design and fabrication of bioelectrodes for microbial bioelectrochemical systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300003)

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Volume: 8

Page: 3418-3441

Accession number: WOS:000365412300003

Document Type:Review

[Lignin monomer production integrated into the gamma-valerolactone sugar platform](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600010)

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Volume: 8

Page: 2657-2663

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Volume: 8

Page: 2638-2643

Accession number: WOS:000360456600007

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[Dehydration of cellulose to levoglucosenone using polar aprotic solvents](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700019)

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Volume: 8

Page: 1808-1815

Accession number: WOS:000355985700019

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Volume: 8

Page: 1224-1230

Accession number: WOS:000352275500009

Document Type:Article

[Cooperative kinetics of depolarization in CH3NH3PbI3 perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600016)

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Volume: 8

Page: 910-915

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Document Type:Article

[Evaluating topologically diverse metal-organic frameworks for cryo-adsorbed hydrogen storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200032)

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Volume: 9

Page: 3279-3289

Accession number: WOS:000386336200032

Document Type:Article

[A CO2 adsorption-enhanced semiconductor/metal-complex hybrid photoelectrocatalytic interface for efficient formate production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200020)

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By: Huang, Xiaofeng; Shen, Qi; Liu, Jibo; Yang, Nianjun; Zhao, Guohua

Volume: 9

Page: 3161-3171

Accession number: WOS:000386336200020

Document Type:Article

[The critical role of lithium nitrate in the gas evolution of lithium-sulfur batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700015)

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Volume: 9

Page: 2603-2608

Accession number: WOS:000384921700015

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By: Li, Bin; Li, Songmei; Xu, Jingjing; Yang, Shubin

Volume: 9

Page: 2025-2030

Accession number: WOS:000378244200010

Document Type:Article

[Enhanced proton and electron reservoir abilities of polyoxometalate grafted on graphene for high-performance hydrogen evolution](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600031)

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By: Liu, Rongji; Zhang, Guangjin; Cao, Hongbin; Zhang, Suojiang; Xie, Yongbing; et al.

Volume: 9

Page: 1012-1023

Accession number: WOS:000372243600031

Document Type:Article

[Au/Ag core-shell nanocuboids for high-efficiency organic solar cells with broadband plasmonic enhancement](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600017)

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By: Liu, Shenghua; Jiang, Ruibin; You, Peng; Zhu, Xingzhong; Wang, Jianfang; et al.

Volume: 9

Page: 898-905

Accession number: WOS:000372243600017

Document Type:Article

[CO2 conversion in a dielectric barrier discharge plasma: N-2 in the mix as a helping hand or problematic impurity?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600030)

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Volume: 9

Page: 999-1011

Accession number: WOS:000372243600030

Document Type:Article

[Power generation from nanostructured PbTe-based thermoelectrics: comprehensive development from materials to modules](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500018)

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Volume: 9

Page: 517-529

Accession number: WOS:000369744500018

Document Type:Article

[Importance of the hydrogen route in up-scaling electrosynthesis for microbial CO2 reduction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300030)

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Volume: 8

Page: 3731-3744

Accession number: WOS:000365412300030

Document Type:Article

[Hierarchical pore-in-pore and wire-in-wire catalysts for rechargeable Zn- and Li-air batteries with ultra-long cycle life and high cell efficiency](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500022)

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By: Li, Longjun; Liu, Chao; He, Guang; Fan, Donglei; Manthiram, Arumugam

Volume: 8

Page: 3274-3282

Accession number: WOS:000364324500022

Document Type:Article

[What do you do, titanium? Insight into the role of titanium oxide as a water oxidation promoter in hematite-based photoanodes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500019)

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Volume: 8

Page: 3242-3254

Accession number: WOS:000364324500019

Document Type:Article

[A Schiff base modified gold catalyst for green and efficient H-2 production from formic acid](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500014)

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Volume: 8

Page: 3204-3207

Accession number: WOS:000364324500014

Document Type:Article

[Interfacial band-edge energetics for solar fuels production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700004)

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By: Smith, Wilson A.; Sharp, Ian D.; Strandwitz, Nicholas C.; Bisquert, Juan

Volume: 8

Page: 2851-2862

Accession number: WOS:000362351700004

Document Type:Review

[Self-powered deep brain stimulation via a flexible PIMNT energy harvester](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600013)

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Volume: 8

Page: 2677-2684

Accession number: WOS:000360456600013

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[Direct observation of an inhomogeneous chlorine distribution in CH3NH3PbI3-xClx layers: surface depletion and interface enrichment](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900025)

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Volume: 8

Page: 1609-1615

Accession number: WOS:000354192900025

Document Type:Article

[Performance, morphology and photophysics of high open-circuit voltage, low band gap all-polymer solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600029)

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Volume: 8

Page: 332-342

Accession number: WOS:000346563600029

Document Type:Article

[Highly doped and exposed Cu(I)-N active sites within graphene towards efficient oxygen reduction for zinc-air batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500014)

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Volume: 9

Page: 3736-3745

Accession number: WOS:000392915500014

Document Type:Article

[High current density, long duration cycling of soluble organic active species for non-aqueous redox flow batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100020)

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Volume: 9

Page: 3531-3543

Accession number: WOS:000387862100020

Document Type:Article

[X20CoCrWMo10-9//Co3O4: a metal-ceramic composite with unique efficiency values for water-splitting in the neutral regime](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700016)

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Volume: 9

Page: 2609-2622

Accession number: WOS:000384921700016

Document Type:Article

[Pd-catalyzed instant hydrogenation of TiO2 with enhanced photocatalytic performance](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700025)

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Volume: 9

Page: 2410-2417

Accession number: WOS:000382749700025

Document Type:Article

[Exploring the electrochemical reaction mechanism of carbonate oxidation in Li-air/CO2 battery through tracing missing oxygen](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500007)

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Volume: 9

Page: 1650-1654

Accession number: WOS:000375699500007

Document Type:Article

[Engineering the methylerythritol phosphate pathway in cyanobacteria for photosynthetic isoprene production from CO2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200025)

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Volume: 9

Page: 1400-1411

Accession number: WOS:000374351200025

Document Type:Article

[Improving the performance of dye-sensitized solar cells with electron-donor and electron-acceptor characteristic of planar electronic skeletons](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200024)

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Volume: 9

Page: 1390-1399

Accession number: WOS:000374351200024

Document Type:Article

[Enhanced permeation arising from dual transport pathways in hybrid polymer-MOF membranes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600021)

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Volume: 9

Page: 922-931

Accession number: WOS:000372243600021

Document Type:Article

[A nanoporous oxygen evolution catalyst synthesized by selective electrochemical etching of perovskite hydroxide CoSn(OH)(6) nanocubes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500012)

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By: Song, Fang; Schenk, Kurt; Hu, Xile

Volume: 9

Page: 473-477

Accession number: WOS:000369744500012

Document Type:Article

[Amorphous S-rich S1-xSex/C (x <= 0.1) composites promise better lithium-sulfur batteries in a carbonate-based electrolyte](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500010)

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Volume: 8

Page: 3181-3186

Accession number: WOS:000364324500010

Document Type:Article

[Stainless steel made to rust: a robust water-splitting catalyst with benchmark characteristics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600014)

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Volume: 8

Page: 2685-2697

Accession number: WOS:000360456600014

Document Type:Article

[Direct observation of the energetics at a semiconductor/liquid junction by operando X-ray photoelectron spectroscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600019)

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Volume: 8

Page: 2409-2416

Accession number: WOS:000358730600019

Document Type:Article

[Well-controlled thieno[3,4-c]pyrrole-4,6-(5H)-dione based conjugated polymers for high performance organic photovoltaic cells with the power conversion efficiency exceeding 9%](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600010)

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Volume: 8

Page: 2352-2356

Accession number: WOS:000358730600010

Document Type:Article

[Positive onset potential and stability of Cu2O-based photocathodes in water splitting by atomic layer deposition of a Ga2O3 buffer layer](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900012)

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Volume: 8

Page: 1493-1500

Accession number: WOS:000354192900012

Document Type:Article

[Biophotovoltaics: oxygenic photosynthetic organisms in the world of bioelectrochemical systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500002)

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Volume: 8

Page: 1092-1109

Accession number: WOS:000352275500002

Document Type:Review

[beta-cyclodextrin enhanced triboelectrification for self-powered phenol detection and electrochemical degradation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600014)

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Volume: 8

Page: 887-896

Accession number: WOS:000352274600014

Document Type:Article

[Nickel oxide encapsulated nitrogen-rich carbon hollow spheres with multiporosity for high-performance pseudocapacitors having extremely robust cycle life](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600013)

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Volume: 8

Page: 188-194

Accession number: WOS:000346563600013

Document Type:Article

[Rational wiring of photosystem II to hierarchical indium tin oxide electrodes using redox polymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500011)

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Volume: 9

Page: 3698-3709

Accession number: WOS:000392915500011

Document Type:Article

[Is Cu a stable electrode material in hybrid perovskite solar cells for a 30-year lifetime?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500004)

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Volume: 9

Page: 3650-3656

Accession number: WOS:000392915500004

Document Type:Article

[A p-Si/NiCoSex core/shell nanopillar array photocathode for enhanced photoelectrochemical hydrogen production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200014)

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Volume: 9

Page: 3113-3119

Accession number: WOS:000386336200014

Document Type:Article

[Wafer-scale transferable molybdenum disulfide thin-film catalysts for photoelectrochemical hydrogen production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700005)

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Volume: 9

Page: 2240-2248

Accession number: WOS:000382749700005

Document Type:Article

[An ultrahigh-rate electrochemical capacitor based on solution-processed highly conductive PEDOT:PSS films for AC line-filtering](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200007)

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Volume: 9

Page: 2005-2010

Accession number: WOS:000378244200007

Document Type:Article

[A redox flow lithium battery based on the redox targeting reactions between LiFePO4 and iodide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600020)

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By: Huang, Qizhao; Yang, Jing; Ng, Chee Boon; Jia, Chuankun; Wang, Qing

Volume: 9

Page: 917-921

Accession number: WOS:000372243600020

Document Type:Article

[A flexible solid-state electrolyte for wide-scale integration of rechargeable zinc-air batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500031)

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By: Fu, Jing; Zhang, Jing; Song, Xueping; Zarrin, Hadis; Tian, Xiaofei; et al.

Volume: 9

Page: 663-670

Accession number: WOS:000369744500031

Document Type:Article

[Highly efficient, large area, roll coated flexible and rigid OPV modules with geometric fill factors up to 98.5% processed with commercially available materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700007)

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Volume: 9

Page: 89-94

Accession number: WOS:000367622700007

Document Type:Article

[Anomalous Jahn-Teller behavior in a manganese-based mixed-phosphate cathode for sodium ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500026)

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Volume: 8

Page: 3325-3335

Accession number: WOS:000364324500026

Document Type:Article

[Polypyrrole-coated manganese dioxide with multiscale architectures for ultrahigh capacity energy storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700025)

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By: Lee, Jun Seop; Shin, Dong Hoon; Jang, Jyongsik

Volume: 8

Page: 3030-3039

Accession number: WOS:000362351700025

Document Type:Article

[Superior thermoelectric performance in PbTe-PbS pseudo-binary: extremely low thermal conductivity and modulated carrier concentration](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300018)

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Volume: 8

Page: 2056-2068

Accession number: WOS:000357541300018

Document Type:Article

[Carbon dioxide utilisation for production of transport fuels: process and economic analysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700016)

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By: Dimitriou, Ioanna; Garcia-Gutierrez, Pelayo; Elder, Rachael H.; Cuellar-Franca, Rosa M.; Azapagic, Adisa; et al.

Volume: 8

Page: 1775-1789

Accession number: WOS:000355985700016

Document Type:Article

[Electrochemical tuning of olivine-type lithium transition-metal phosphates as efficient water oxidation catalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700011)

19

By: Liu, Yayuan; Wang, Haotian; Lin, Dingchang; Liu, Chong; Hsu, Po-Chun; et al.

Volume: 8

Page: 1719-1724

Accession number: WOS:000355985700011

Document Type:Article

[Environmental and economic assessment of lactic acid production from glycerol using cascade bio- and chemocatalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900014)

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Volume: 8

Page: 558-567

Accession number: WOS:000349616900014

Document Type:Article

[N-doped TiO2 nanotubes coated with a thin TaOxNy layer for photoelectrochemical water splitting: dual bulk and surface modification of photoanodes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600021)

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Volume: 8

Page: 247-257

Accession number: WOS:000346563600021

Document Type:Article

[High performance aliphatic-heterocyclic benzyl-quaternary ammonium radiation-grafted anion-exchange membranes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500013)

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Volume: 9

Page: 3724-3735

Accession number: WOS:000392915500013

Document Type:Article

[A large area (70 cm(2)) monolithic perovskite solar module with a high efficiency and stability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500009)

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Volume: 9

Page: 3687-3692

Accession number: WOS:000392915500009

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[High efficiency Bi2Te3-based materials and devices for thermoelectric power generation between 100 and 300 degrees C](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200015)

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Volume: 9

Page: 3120-3127

Accession number: WOS:000386336200015

Document Type:Article

[Pseudocapacitance and excellent cyclability of 2,5-dimethoxy-1,4-benzoquinone on graphene](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700013)

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Volume: 9

Page: 2586-2594

Accession number: WOS:000384921700013

Document Type:Article

[Soft-cover deposition of scaling-up uniform perovskite thin films for high cost-performance solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700013)

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Volume: 9

Page: 2295-2301

Accession number: WOS:000382749700013

Document Type:Article

[Micron-sized Fe-Cu-Si ternary composite anodes for high energy Li-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200010)

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Volume: 9

Page: 1251-1257

Accession number: WOS:000374351200010

Document Type:Article

[The capital intensity of photovoltaics manufacturing: barrier to scale and opportunity for innovation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300001)

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Volume: 8

Page: 3395-3408

Accession number: WOS:000365412300001

Document Type:Article

[A low temperature molten salt process for aluminothermic reduction of silicon oxides to crystalline Si for Li-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500011)

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Volume: 8

Page: 3187-3191

Accession number: WOS:000364324500011

Document Type:Article

[Varying the ionic functionalities of conjugated polyelectrolytes leads to both p- and n-type carbon nanotube composites for flexible thermoelectrics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600008)

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Volume: 8

Page: 2341-2346

Accession number: WOS:000358730600008

Document Type:Article

[A silole copolymer containing a ladder-type heptacylic arene and naphthobisoxadiazole moieties for highly efficient polymer solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900013)

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Volume: 8

Page: 552-557

Accession number: WOS:000349616900013

Document Type:Article

[Stabilization of Si microwire arrays for solar-driven H2O oxidation to O-2(g) in 1.0 M KOH(aq) using conformal coatings of amorphous TiO2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600015)

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Volume: 8

Page: 203-207

Accession number: WOS:000346563600015

Document Type:Article

[The use of an n-type macromolecular additive as a simple yet effective tool for improving and stabilizing the performance of organic solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100015)

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By: Park, Kwang Hyun; An, Yujin; Jung, Seungon; Park, Hyesung; Yang, Changduk

Volume: 9

Page: 3464-3471

Accession number: WOS:000387862100015

Document Type:Article

[High thermoelectric performance in Te-free (Bi, Sb)(2)Se-3 via structural transition induced band convergence and chemical bond softening](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100012)

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Volume: 9

Page: 3436-3447

Accession number: WOS:000387862100012

Document Type:Article

[A long-life lithium ion oxygen battery based on commercial silicon particles as the anode](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200030)

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Volume: 9

Page: 3262-3271

Accession number: WOS:000386336200030

Document Type:Article

[The growth of a CH3NH3PbI3 thin film using simplified close space sublimation for efficient and large dimensional perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200033)

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Volume: 9

Page: 1486-1494

Accession number: WOS:000374351200033

Document Type:Article

[570 mV photovoltage, stabilized n-Si/CoOx heterojunction photoanodes fabricated using atomic layer deposition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600016)

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Volume: 9

Page: 892-897

Accession number: WOS:000372243600016

Document Type:Article

[Ageing phenomena in high-voltage aqueous supercapacitors investigated by in situ gas analysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500027)

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Volume: 9

Page: 623-633

Accession number: WOS:000369744500027

Document Type:Article

[Multijunction Si photocathodes with tunable photovoltages from 2.0 V to 2.8 V for light induced water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700017)

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Volume: 9

Page: 145-154

Accession number: WOS:000367622700017

Document Type:Article

[Elucidating the structure of the magnesium aluminum chloride complex electrolyte for magnesium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300029)

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Volume: 8

Page: 3718-3730

Accession number: WOS:000365412300029

Document Type:Article

[Defect-rich decorated TiO2 nanowires for super-efficient photoelectrochemical water splitting driven by visible light](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500030)

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Volume: 8

Page: 3363-3373

Accession number: WOS:000364324500030

Document Type:Article

[Phenyl-triazine oligomers for light-driven hydrogen evolution](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500028)

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Volume: 8

Page: 3345-3353

Accession number: WOS:000364324500028

Document Type:Article

[Ionic liquids in the electrochemical valorisation of CO2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600003)

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Volume: 8

Page: 2574-2599

Accession number: WOS:000360456600003

Document Type:Review

[An oxygen cathode with stable full discharge-charge capability based on 2D conducting oxide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300010)

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Volume: 8

Page: 1992-1997

Accession number: WOS:000357541300010

Document Type:Article

[Atomic scale enhancement of metal-support interactions between Pt and ZrC for highly stable electrocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900006)

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Volume: 8

Page: 1450-1455

Accession number: WOS:000354192900006

Document Type:Article

[High thermoelectric conversion efficiency of MgAgSb-based material with hot-pressed contacts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500018)

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Volume: 8

Page: 1299-1308

Accession number: WOS:000352275500018

Document Type:Article

[Air-processed organic tandem solar cells on glass: toward competitive operating lifetimes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600010)

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Volume: 8

Page: 169-176

Accession number: WOS:000346563600010

Document Type:Article

[Plasmonic photothermic directed broadband sunlight harnessing for seawater catalysis and desalination](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200019)

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By: Gao, Minmin; Connor, Peh Kang Nuo; Ho, Ghim Wei

Volume: 9

Page: 3151-3160

Accession number: WOS:000386336200019

Document Type:Article

[In situ investigation of the formation and metastability of formamidinium lead tri-iodide perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700021)

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Volume: 9

Page: 2372-2382

Accession number: WOS:000382749700021

Document Type:Article

[Ionic liquids as tailored media for the synthesis and processing of energy conversion materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700003)

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Volume: 9

Page: 49-61

Accession number: WOS:000367622700003

Document Type:Review

[Porous metal-organic frameworks with Lewis basic nitrogen sites for high-capacity methane storage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600028)

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By: Li, Bin; Wen, Hui-Min; Wang, Hailong; Wu, Hui; Yildirim, Taner; et al.

Volume: 8

Page: 2504-2511

Accession number: WOS:000358730600028

Document Type:Article

[Solid-state activation of Li2O2 oxidation kinetics and implications for Li-O-2 batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600020)

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Volume: 8

Page: 2417-2426

Accession number: WOS:000358730600020

Document Type:Article

[Scalable synthesis of bi-functional high-performance carbon nanotube sponge catalysts and electrodes with optimum C-N-Fe coordination for oxygen reduction reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700018)

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By: Yang, Gang; Choi, Woongchul; Pu, Xiong; Yu, Choongho

Volume: 8

Page: 1799-1807

Accession number: WOS:000355985700018

Document Type:Article

[A structurally simple perylene dye with ethynylbenzothiadiazole-benzoic acid as the electron acceptor achieves an over 10% power conversion efficiency](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900004)

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By: Yao, Zhaoyang; Wu, Heng; Ren, Yameng; Guo, Yanchun; Wang, Peng

Volume: 8

Page: 1438-1442

Accession number: WOS:000354192900004

Document Type:Article

[Unique 3D heterojunction photoanode design to harness charge transfer for efficient and stable photoelectrochemical water splitting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500023)

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By: Hou, Jungang; Cheng, Huijie; Takeda, Osamu; Zhu, Hongmin

Volume: 8

Page: 1348-1357

Accession number: WOS:000352275500023

Document Type:Article

[N-doped graphene quantum sheets on silicon nanowire photocathodes for hydrogen production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500021)

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By: Sim, Uk; Moon, Joonhee; An, Junghyun; Kang, Jin Hyoun; Jerng, Sung Eun; et al.

Volume: 8

Page: 1329-1338

Accession number: WOS:000352275500021

Document Type:Article

[Nonmetal P-doped hematite photoanode with enhanced electron mobility and high water oxidation activity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500010)

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By: Zhang, Yuchao; Jiang, Shiqi; Song, Wenjing; Zhou, Peng; Ji, Hongwei; et al.

Volume: 8

Page: 1231-1236

Accession number: WOS:000352275500010

Document Type:Article

[Hydrogen or batteries for grid storage? A net energy analysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300006)

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By: Pellow, Matthew A.; Emmott, Christopher J. M.; Barnhart, Charles J.; Benson, Sally M.

Volume: 8

Page: 1938-1952

Accession number: WOS:000357541300006

Document Type:Article

[Leveraging valuable synergies by combining alloying and conversion for lithium-ion anodes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100002)

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By: Bresser, Dominic; Passerini, Stefano; Scrosati, Bruno

Volume: 9

Page: 3348-3367

Accession number: WOS:000387862100002

Document Type:Review

[A rational design of separator with substantially enhanced thermal features for lithium-ion batteries by the polydopamine-ceramic composite modification of polyolefin membranes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200029)

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Volume: 9

Page: 3252-3261

Accession number: WOS:000386336200029

Document Type:Article

[Promising prospects for 2D d(2)-d(4) M3C2 transition metal carbides (MXenes) in N-2 capture and conversion into ammonia](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700006)

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By: Azofra, Luis Miguel; Li, Neng; MacFarlane, Douglas R.; Sun, Chenghua

Volume: 9

Page: 2545-2549

Accession number: WOS:000384921700006

Document Type:Article

[Photonic nanostructures for solar energy conversion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700003)

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By: Zheng, Xiuzhen; Zhang, Liwu

Volume: 9

Page: 2511-2532

Accession number: WOS:000384921700003

Document Type:Review

[Water oxidation catalysis - role of redox and structural dynamics in biological photosynthesis and inorganic manganese oxides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700027)

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By: Zaharieva, I.; Gonzalez-Flores, D.; Asfari, B.; Pasquini, C.; Mohammadi, M. R.; et al.

Volume: 9

Page: 2433-2443

Accession number: WOS:000382749700027

Document Type:Article

[Designing thermoelectric generators for self-powered wearable electronics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200019)

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By: Suarez, Francisco; Nozariasbmarz, Amin; Vashaee, Daryoosh; Ozturk, Mehmet C.

Volume: 9

Page: 2099-2113

Accession number: WOS:000378244200019

Document Type:Article

[Life cycle assessment of sodium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500018)

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Volume: 9

Page: 1744-1751

Accession number: WOS:000375699500018

Document Type:Article

[Textured nanoporous Mo:BiVO4 photoanodes with high charge transport and charge transfer quantum efficiencies for oxygen evolution](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200026)

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By: Nair, Vineet; Perkins, Craig L.; Lin, Qiyin; Law, Matt

Volume: 9

Page: 1412-1429

Accession number: WOS:000374351200026

Document Type:Article

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Volume: 9

Page: 850-856

Accession number: WOS:000372243600009

Document Type:Article

[Transition metal carbides as novel materials for CO2 capture, storage, and activation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700016)

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Volume: 9

Page: 141-144

Accession number: WOS:000367622700016

Document Type:Article

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Volume: 9

Page: 117-122

Accession number: WOS:000367622700012

Document Type:Article

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Volume: 9

Page: 74-80

Accession number: WOS:000367622700005

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Volume: 8

Page: 2991-2999

Accession number: WOS:000362351700020

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[Stable semi-transparent CH3NH3PbI3 planar sandwich solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700010)

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Volume: 8

Page: 2922-2927

Accession number: WOS:000362351700010

Document Type:Article

[Metal-free organic sensitizers with narrow absorption in the visible for solar cells exceeding 10% efficiency](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300013)

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Volume: 8

Page: 2010-2018

Accession number: WOS:000357541300013

Document Type:Article

[Equilibrium voltage and overpotential variation of nonaqueous Li-O-2 batteries using the galvanostatic intermittent titration technique](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600012)

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Volume: 8

Page: 182-187

Accession number: WOS:000346563600012

Document Type:Article

[Stabilizing high voltage LiCoO2 cathode in aqueous electrolyte with interphase-forming additive](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500006)

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Volume: 9

Page: 3666-3673

Accession number: WOS:000392915500006

Document Type:Article

[Efficient n-type dopants with extremely low doping ratios for high performance inverted perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100010)

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Volume: 9

Page: 3424-3428

Accession number: WOS:000387862100010

Document Type:Article

[Designed multimetallic Pd nanosponges with enhanced electrocatalytic activity for ethylene glycol and glycerol oxidation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200011)

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Volume: 9

Page: 3097-3102

Accession number: WOS:000386336200011

Document Type:Article

[Fine-grained and fully ordered intermetallic PtFe catalysts with largely enhanced catalytic activity and durability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700017)

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Volume: 9

Page: 2623-2632

Accession number: WOS:000384921700017

Document Type:Article

[Dual coexisting interconnected graphene nanostructures for high performance supercapacitor applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700006)

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Volume: 9

Page: 2249-2256

Accession number: WOS:000382749700006

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[Development of isomer-free fullerene bisadducts for efficient polymer solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200020)

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By: Xiao, Zuo; Geng, Xinjian; He, Dan; Jia, Xue; Ding, Liming

Volume: 9

Page: 2114-2121

Accession number: WOS:000378244200020

Document Type:Article

[Chemically exfoliated transition metal dichalcogenide nanosheet-based wearable thermoelectric generators](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500014)

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Volume: 9

Page: 1696-1705

Accession number: WOS:000375699500014

Document Type:Article

[Amino acid modified copper electrodes for the enhanced selective electroreduction of carbon dioxide towards hydrocarbons](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500013)

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Volume: 9

Page: 1687-1695

Accession number: WOS:000375699500013

Document Type:Article

[Mesoporous Ni60Fe30Mn10-alloy based metal/metal oxide composite thick films as highly active and robust oxygen evolution catalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500020)

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Volume: 9

Page: 540-549

Accession number: WOS:000369744500020

Document Type:Article

[Space-confined assembly of all-carbon hybrid fibers for capacitive energy storage: realizing a built-to-order concept for micro-supercapacitors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500026)

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Volume: 9

Page: 611-622

Accession number: WOS:000369744500026

Document Type:Article

[Geometrically confined favourable ion packing for high gravimetric capacitance in carbon-ionic liquid supercapacitors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700027)

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Volume: 9

Page: 232-239

Accession number: WOS:000367622700027

Document Type:Article

[A selectively exposed crystal facet-engineered TiO2 thin film photoanode for the higher performance of the photoelectrochemical water splitting reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300022)

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Volume: 8

Page: 3646-3653

Accession number: WOS:000365412300022

Document Type:Article

[A hybrid solid electrolyte for flexible solid-state sodium batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300016)

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Volume: 8

Page: 3589-3596

Accession number: WOS:000365412300016

Document Type:Article

[A circular membrane for nano thin film micro solid oxide fuel cells with enhanced mechanical stability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500031)

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By: Baek, Jong Dae; Yoon, Yong-Jin; Lee, Wonyoung; Su, Pei-Chen

Volume: 8

Page: 3374-3380

Accession number: WOS:000364324500031

Document Type:Article

[Convergent reductive depolymerization of wood lignin to isolated phenol derivatives by metal-free catalytic hydrosilylation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600019)

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Volume: 8

Page: 2734-2743

Accession number: WOS:000360456600019

Document Type:Article

[Interface engineering of the photoelectrochemical performance of Ni-oxide-coated n-Si photoanodes by atomic-layer deposition of ultrathin films of cobalt oxide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600008)

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Volume: 8

Page: 2644-2649

Accession number: WOS:000360456600008

Document Type:Article

[Heat-to-current conversion of low-grade heat from a thermocapacitive cycle by supercapacitors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600017)

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Volume: 8

Page: 2396-2401

Accession number: WOS:000358730600017

Document Type:Article

[Fabrication of a stretchable and patchable array of high performance micro-supercapacitors using a non-aqueous solvent based gel electrolyte](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700015)

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Volume: 8

Page: 1764-1774

Accession number: WOS:000355985700015

Document Type:Article

[Tracking the structural arrangement of ions in carbon supercapacitor nanopores using in situ small-angle X-ray scattering](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700012)

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Volume: 8

Page: 1725-1735

Accession number: WOS:000355985700012

Document Type:Article

[Performance and resource considerations of Li-ion battery electrode materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700001)

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Volume: 8

Page: 1640-1650

Accession number: WOS:000355985700001

Document Type:Article

[Spatially-confined lithiation-delithiation in highly dense nanocomposite anodes towards advanced lithium-ion batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900009)

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Volume: 8

Page: 1471-1479

Accession number: WOS:000354192900009

Document Type:Article

[A solution-processed, mercaptoacetic acid-engineered CdSe quantum dot photocathode for efficient hydrogen production under visible light irradiation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900005)

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Volume: 8

Page: 1443-1449

Accession number: WOS:000354192900005

Document Type:Article

[Light management in thin film silicon solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600007)

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By: Haug, F. -J.; Ballif, C.

Volume: 8

Page: 824-837

Accession number: WOS:000352274600007

Document Type:Review

[Low bandgap conjugated polymers based on mono-fluorinated isoindigo for efficient bulk heterojunction polymer solar cells processed with non-chlorinated solvents](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900017)

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Volume: 8

Page: 585-591

Accession number: WOS:000349616900017

Document Type:Article

[Tin/vanadium redox electrolyte for battery-like energy storage capacity combined with supercapacitor-like power handling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100005)

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Volume: 9

Page: 3392-3398

Accession number: WOS:000387862100005

Document Type:Article

[Irreproducibility in hydrogen storage material research](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100003)

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By: Broom, D. P.; Hirscher, M.

Volume: 9

Page: 3368-3380

Accession number: WOS:000387862100003

Document Type:Article

[Structurally stable Mg-doped P2-Na2/3Mn1-yMgyO2 sodium-ion battery cathodes with high rate performance: insights from electrochemical, NMR and diffraction studies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200028)

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Volume: 9

Page: 3240-3251

Accession number: WOS:000386336200028

Document Type:Article

[Nitrogenase bioelectrocatalysis: heterogeneous ammonia and hydrogen production by MoFe protein](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700007)

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Volume: 9

Page: 2550-2554

Accession number: WOS:000384921700007

Document Type:Article

[Scalable fabrication of micron-scale graphene nanomeshes for high-performance supercapacitor applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200013)

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Volume: 9

Page: 1270-1281

Accession number: WOS:000374351200013

Document Type:Article

[Next-generation ammonia pretreatment enhances cellulosic biofuel production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200005)

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Volume: 9

Page: 1215-1223

Accession number: WOS:000374351200005

Document Type:Article

[Highly efficient moisture-enabled electricity generation from graphene oxide frameworks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600019)

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By: Zhao, Fei; Liang, Yuan; Cheng, Huhu; Jiang, Lan; Qu, Liangti

Volume: 9

Page: 912-916

Accession number: WOS:000372243600019

Document Type:Article

[Open circuit voltage and efficiency in ternary organic photovoltaic blends](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700030)

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By: Felekidis, N.; Wang, E.; Kemerink, M.

Volume: 9

Page: 257-266

Accession number: WOS:000367622700030

Document Type:Article

[Highly efficient inverted bulk-heterojunction solar cells with a gradiently-doped ZnO layer](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700028)

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By: Nho, Sungho; Baek, Gyoelim; Park, Sujung; Lee, Bo Ram; Cha, Myung Joo; et al.

Volume: 9

Page: 240-246

Accession number: WOS:000367622700028

Document Type:Article

[Novel layered solid oxide fuel cells with multiple-twinned Ni0.8Co0.2 nanoparticles: the key to thermally independent CO2 utilization and power-chemical cogeneration](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700024)

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By: Hua, Bin; Yan, Ning; Li, Meng; Zhang, Ya-Qian; Sun, Yi-Fei; et al.

Volume: 9

Page: 207-215

Accession number: WOS:000367622700024

Document Type:Article

[Structural basis for differing electrocatalytic water oxidation by the cubic, layered and spinel forms of lithium cobalt oxides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700021)

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Volume: 9

Page: 184-192

Accession number: WOS:000367622700021

Document Type:Article

[A high-rate and long cycle life solid-state lithium-air battery](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300031)

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By: Zhu, X. B.; Zhao, T. S.; Wei, Z. H.; Tan, P.; An, L.

Volume: 8

Page: 3745-3754

Accession number: WOS:000365412300031

Document Type:Article

[A zinc-iron redox-flow battery under $100 per kW h of system capital cost](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700013)

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Volume: 8

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Document Type:Article

[High-efficiency dye-sensitized solar cells with molecular copper phenanthroline as solid hole conductor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600006)

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Volume: 8

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Volume: 8

Page: 2357-2364

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Volume: 8

Page: 1358-1367

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Document Type:Article

[Environmental and health impact assessment of Liquid Organic Hydrogen Carrier (LOHC) systems - challenges and preliminary results](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600030)

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Volume: 8

Page: 1035-1045

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Volume: 8

Page: 230-240

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Document Type:Article

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Volume: 9

Page: 3642-3649

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Volume: 9

Page: 3201-3209

Accession number: WOS:000386336200024

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Volume: 9

Page: 3107-3112

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Document Type:Article

[Ethanol production in syngas-fermenting Clostridium ljungdahlii is controlled by thermodynamics rather than by enzyme expression](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700023)

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Volume: 9

Page: 2392-2399

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[High-performance porous uncharged membranes for vanadium flow battery applications created by tuning cohesive and swelling forces](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700016)

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Volume: 9

Page: 2319-2325

Accession number: WOS:000382749700016

Document Type:Article

[Organic and perovskite solar modules innovated by adhesive top electrode and depth-resolved laser patterning](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700014)

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Volume: 9

Page: 2302-2313

Accession number: WOS:000382749700014

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[Forthcoming perspectives of photoelectrochromic devices: a critical review](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300002)

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Volume: 9

Page: 2682-2719

Accession number: WOS:000382746300002

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[Elimination of the light soaking effect and performance enhancement in perovskite solar cells using a fullerene derivative](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700028)

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Volume: 9

Page: 2444-2452

Accession number: WOS:000382749700028

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[Temperature dependent behaviour of lead sulfide quantum dot solar cells and films](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300018)

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Volume: 9

Page: 2916-2924

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[Hexamethyl-p-terphenyl poly(benzimidazolium): a universal hydroxide-conducting polymer for energy conversion devices](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200022)

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Volume: 9

Page: 2130-2142

Accession number: WOS:000378244200022

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[Mass transport aspects of electrochemical solar-hydrogen generation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500002)

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Volume: 9

Page: 1533-1551

Accession number: WOS:000375699500002

Document Type:Review

[Bio-inspired noble metal-free nanomaterials approaching platinum performances for H-2 evolution and uptake](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600023)

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Volume: 9

Page: 940-947

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Document Type:Article

[Deciphering the true life cycle environmental impacts and costs of the mega-scale shale gas-to-olefins projects in the United States](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600007)

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Volume: 9

Page: 820-840

Accession number: WOS:000372243600007

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[XAFS investigation of polyamidoxime-bound uranyl contests the paradigm from small molecule studies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500008)

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Volume: 9

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[Porphyrins bearing a consolidated anthryl donor with dual functions for efficient dye-sensitized solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700023)

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Volume: 9

Page: 200-206

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[Molecular-ink route to 13.0% efficient low-bandgap CuIn(S, Se)(2) and 14.7% efficient Cu(In, Ga)(S, Se)(2) solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700014)

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Volume: 9

Page: 130-134

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[Photosystem I-polyaniline/TiO2 solid-state solar cells: simple devices for biohybrid solar energy conversion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300014)

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Volume: 8

Page: 3572-3576

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[Natures of optical absorption transitions and excitation energy dependent photostability of diketopyrrolopyrrole (DPP)-based photovoltaic copolymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500017)

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Volume: 8

Page: 3222-3232

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Document Type:Article

[Photochemical charge transfer observed in nanoscale hydrogen evolving photocatalysts using surface photovoltage spectroscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700017)

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Volume: 8

Page: 2970-2976

Accession number: WOS:000362351700017

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[A novel solid-state Li-O-2 battery with an integrated electrolyte and cathode structure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600025)

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Volume: 8

Page: 2782-2790

Accession number: WOS:000360456600025

Document Type:Article

[Progress and perspectives in exploiting photosynthetic biomolecules for solar energy harnessing](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600002)

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Volume: 8

Page: 2551-2573

Accession number: WOS:000360456600002

Document Type:Review

[High-performance silicon-based multicomponent battery anodes produced via synergistic coupling of multifunctional coating layers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300020)

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Volume: 8

Page: 2075-2084

Accession number: WOS:000357541300020

Document Type:Article

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Volume: 8

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[Perovskite photovoltachromic cells for building integration](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900021)

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Volume: 8

Page: 1578-1584

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Document Type:Article

[A thermodynamic tank model for studying the effect of higher hydrocarbons on natural gas storage in metal-organic frameworks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354192900013)

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Volume: 8

Page: 1501-1510

Accession number: WOS:000354192900013

Document Type:Article

[Organic photovoltaic greenhouses: a unique application for semi-transparent PV?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500020)

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Volume: 8

Page: 1317-1328

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Document Type:Article

[Environmental impacts of electricity generation at global, regional and national scales in 1980-2011: what can we learn for future energy planning?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600001)

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Volume: 8

Page: 689-701

Accession number: WOS:000352274600001

Document Type:Article

[Use of low cost and easily regenerated Prussian Blue cathodes for efficient electrical energy recovery in a microbial battery](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900012)

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Volume: 8

Page: 546-551

Accession number: WOS:000349616900012

Document Type:Article

[Theory, practice and prospects of X- ray and neutron scattering for lignocellulosic biomass characterization: towards understanding biomass pretreatment](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900004)

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By: Cheng, Gang; Zhang, Xin; Simmons, Blake; Singh, Seema

Volume: 8

Page: 436-455

Accession number: WOS:000349616900004

Document Type:Review

[A thermally regenerative ammonia-based battery for efficient harvesting of low-grade thermal energy as electrical power](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600030)

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Volume: 8

Page: 343-349

Accession number: WOS:000346563600030

Document Type:Article

[Frustrated Lewis pair-mediated recrystallization of CH3NH3PbI3 for improved optoelectronic quality and high voltage planar perovskite solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500017)

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Volume: 9

Page: 3770-3782

Accession number: WOS:000392915500017

Document Type:Article

[Polymer-based photocathodes with a solution-processable cuprous iodide anode layer and a polyethyleneimine protective coating](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500012)

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Volume: 9

Page: 3710-3723

Accession number: WOS:000392915500012

Document Type:Article

[Photogeneration of hydrogen from water by a robust dye-sensitized photocathode](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000392915500010)

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Volume: 9

Page: 3693-3697

Accession number: WOS:000392915500010

Document Type:Article

[A simple structured and efficient triazine-based molecule as an interfacial layer for high performance organic electronics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700014)

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Volume: 9

Page: 2595-2602

Accession number: WOS:000384921700014

Document Type:Article

[Enhanced thermoelectric performance of PEDOT: PSS/PANI-CSA polymer multilayer structures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382746300008)

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Volume: 9

Page: 2806-2811

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Document Type:Article

[Significantly enhanced photocurrent for water oxidation in monolithic Mo:BiVO4/SnO2/Si by thermally increasing the minority carrier diffusion length](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200013)

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Volume: 9

Page: 2044-2052

Accession number: WOS:000378244200013

Document Type:Article

[Solar hydrogen production from seawater vapor electrolysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500016)

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By: Kumari, Sudesh; White, R. Turner; Kumar, Bijandra; Spurgeon, Joshua M.

Volume: 9

Page: 1725-1733

Accession number: WOS:000375699500016

Document Type:Article

[Heterogeneous formulation of the tricopper complex for efficient catalytic conversion of methane into methanol at ambient temperature and pressure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200022)

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Volume: 9

Page: 1361-1374

Accession number: WOS:000374351200022

Document Type:Article

[How simple are the models of Na intercalation in aqueous media?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600025)

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By: Yun, Jeongsik; Pfisterer, Jonas; Bandarenka, Aliaksandr S.

Volume: 9

Page: 955-961

Accession number: WOS:000372243600025

Document Type:Article

[A novel cross-linked nano-coating for carbon dioxide capture](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500006)

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Volume: 9

Page: 434-440

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Volume: 9

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Accession number: WOS:000369744500028

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Volume: 8

Page: 3233-3241

Accession number: WOS:000364324500018

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Volume: 8

Page: 3198-3203

Accession number: WOS:000364324500013

Document Type:Article

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Volume: 8

Page: 2985-2990

Accession number: WOS:000362351700019

Document Type:Article

[Templated microstructural growth of perovskite thin films via colloidal monolayer lithography](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300016)

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Volume: 8

Page: 2041-2047

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Volume: 8

Page: 592-601

Accession number: WOS:000349616900018

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Volume: 8

Page: 526-534

Accession number: WOS:000349616900009

Document Type:Article

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Volume: 9

Page: 3544-3558

Accession number: WOS:000387862100021

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[Activating earth-abundant electrocatalysts for efficient, low-cost hydrogen evolution/oxidation: sub-monolayer platinum coatings on titanium tungsten carbide nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200033)

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Volume: 9

Page: 3290-3301

Accession number: WOS:000386336200033

Document Type:Article

[Exceptional long-life performance of lithium-ion batteries using ionic liquid-based electrolytes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200025)

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Volume: 9

Page: 3210-3220

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Volume: 9

Page: 2575-2577

Accession number: WOS:000384921700011

Document Type:Article

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Volume: 9

Page: 2453-2462

Accession number: WOS:000382749700029

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Volume: 9

Page: 2822-2834

Accession number: WOS:000382746300010

Document Type:Article

[11.3% efficiency Cu(In,Ga)(S,Se)(2) thin film solar cells via drop-on-demand inkjet printing](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200012)

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Volume: 9

Page: 2037-2043

Accession number: WOS:000378244200012

Document Type:Article

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Volume: 9

Page: 2122-2129

Accession number: WOS:000378244200021

Document Type:Article

[Comparison of H-2 photogeneration by [FeFe]-hydrogenase mimics with CdSe QDs and Ru(bpy)(3)Cl-2 in aqueous solution](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378244200017)

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Volume: 9

Page: 2083-2089

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[Encapsulation of organic active materials in carbon nanotubes for application to high-electrochemical-performance sodium batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200012)

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Volume: 9

Page: 1264-1269

Accession number: WOS:000374351200012

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[Harnessing low energy photons (635 nm) for the production of H2O2 using upconversion nanohybrid photocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600036)

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Volume: 9

Page: 1063-1073

Accession number: WOS:000372243600036

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[Opportunities to improve the net energy performance of photoelectrochemical water-splitting technology](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600006)

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Volume: 9

Page: 803-819

Accession number: WOS:000372243600006

Document Type:Article

[Exceptional hydrogen permeation of all-ceramic composite robust membranes based on BaCe0.65Zr0.20Y0.15O3-delta and Y- or Gd-doped ceria](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300025)

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Volume: 8

Page: 3675-3686

Accession number: WOS:000365412300025

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[La5Ti2Cu1-xAgxS5O7 photocathodes operating at positive potentials during photoelectrochemical hydrogen evolution under irradiation of up to 710 nm](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500029)

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Volume: 8

Page: 3354-3362

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Volume: 8

Page: 3109-3133

Accession number: WOS:000364324500005

Document Type:Review

[A generalised space-charge theory for extended defects in oxygen-ion conducting electrolytes: from dilute to concentrated solid solutions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700012)

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Volume: 8

Page: 2935-2940

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[Ubiquitous magneto-mechano-electric generator](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600018)

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Volume: 8

Page: 2402-2408

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Document Type:Article

[A membrane-less electrolyzer for hydrogen production across the pH scale](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000357541300012)

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Volume: 8

Page: 2003-2009

Accession number: WOS:000357541300012

Document Type:Article

[High and robust performance of H2O2 fuel cells in the presence of scandium ion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700007)

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Volume: 8

Page: 1698-1701

Accession number: WOS:000355985700007

Document Type:Article

[Efficient and selective carbon dioxide reduction on low cost protected Cu2O photocathodes using a molecular catalyst](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600010)

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Volume: 8

Page: 855-861

Accession number: WOS:000352274600010

Document Type:Article

[Synthesis of high quality alkyl naphthenic kerosene by reacting an oil refinery with a biomass refinery stream](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346563600028)

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Volume: 8

Page: 317-331

Accession number: WOS:000346563600028

Document Type:Article

[Quantification of spatial inhomogeneity in perovskite solar cells by hyperspectral luminescence imaging](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700012)

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Volume: 9

Page: 2286-2294

Accession number: WOS:000382749700012

Document Type:Article

[The design of nanostructured sulfur cathodes using layer by layer assembly](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500010)

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Volume: 9

Page: 1668-1673

Accession number: WOS:000375699500010

Document Type:Article

[Ionic thermoelectric supercapacitors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200029)

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Volume: 9

Page: 1450-1457

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[The effect of the gas-solid contacting pattern in a high-temperature thermochemical energy storage on the performance of a concentrated solar power plant](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200023)

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Volume: 9

Page: 1375-1389

Accession number: WOS:000374351200023

Document Type:Article

[Giant pyroelectric energy harvesting and a negative electrocaloric effect in multilayered nanostructures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200020)

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Volume: 9

Page: 1335-1345

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[Wiring redox-active polyoxometalates to carbon nanotubes using a sonication-driven periodic functionalization strategy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600039)

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Volume: 9

Page: 1095-1101

Accession number: WOS:000372243600039

Document Type:Article

[Industrially scalable and cost-effective Mn2+ doped ZnxCd1-xS/ZnS nanocrystals with 70% photoluminescence quantum yield, as efficient down-shifting materials in photovoltaics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600038)

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Volume: 9

Page: 1083-1094

Accession number: WOS:000372243600038

Document Type:Article

[Solar energy conversion properties and defect physics of ZnSiP2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600033)

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Volume: 9

Page: 1031-1041

Accession number: WOS:000372243600033

Document Type:Article

[Calcium looping with inherent energy storage for decarbonisation of coal-fired power plant](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600027)

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Volume: 9

Page: 971-983

Accession number: WOS:000372243600027

Document Type:Article

[Glass-amorphous alkali-ion solid electrolytes and their performance in symmetrical cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600024)

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Volume: 9

Page: 948-954

Accession number: WOS:000372243600024

Document Type:Article

[Efficient band structure tuning, charge separation, and visible-light response in ZrS2-based van der Waals heterostructures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600008)

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Volume: 9

Page: 841-849

Accession number: WOS:000372243600008

Document Type:Article

[A layer-by-layer supramolecular structure for a sulfur cathode](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600029)

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By: Bucur, Claudiu B.; Muldoon, John; Lita, Adrian

Volume: 9

Page: 992-998

Accession number: WOS:000372243600029

Document Type:Article

[Wells to wheels: water consumption for transportation fuels in the United States](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600005)

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By: Lampert, David J.; Cai, Hao; Elgowainy, Amgad

Volume: 9

Page: 787-802

Accession number: WOS:000372243600005

Document Type:Article

[Some of tomorrow's catalysts for processing renewable and non-renewable feedstocks, diminishing anthropogenic carbon dioxide and increasing the production of energy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600001)

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Volume: 9

Page: 687-708

Accession number: WOS:000372243600001

Document Type:Article

[Operational constraints and strategies for systems to effect the sustainable, solar-driven reduction of atmospheric CO2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300024)

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Volume: 8

Page: 3663-3674

Accession number: WOS:000365412300024

Document Type:Article

[Connected nanoparticle catalysts possessing a porous, hollow capsule structure as carbon-free electrocatalysts for oxygen reduction in polymer electrolyte fuel cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300010)

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Volume: 8

Page: 3545-3549

Accession number: WOS:000365412300010

Document Type:Article

[Selective CO production by Au coupled ZnTe/ZnO in the photoelectrochemical CO2 reduction system](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300017)

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By: Jang, Youn Jeong; Jang, Ji-Wook; Lee, Jaehyuk; Kim, Ju Hun; Kumagai, Hiromu; et al.

Volume: 8

Page: 3597-3604

Accession number: WOS:000365412300017

Document Type:Article

[Hybrid solar converters for maximum exergy and inexpensive dispatchable electricity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500003)

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Volume: 8

Page: 3083-3091

Accession number: WOS:000364324500003

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Volume: 8

Page: 2863-2885

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Volume: 8

Page: 2760-2767

Accession number: WOS:000360456600022

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[Spectroscopically tracking charge separation in polymer : fullerene blends with a three-phase morphology](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600017)

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Volume: 8

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Volume: 8

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Volume: 8

Page: 1005-1010

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Document Type:Article

[Perovskite promoted iron oxide for hybrid water-splitting and syngas generation with exceptional conversion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900010)

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Volume: 8

Page: 535-539

Accession number: WOS:000349616900010

Document Type:Article

[High n-caprylate productivities and specificities from dilute ethanol and acetate: chain elongation with microbiomes to upgrade products from syngas fermentation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100017)

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Volume: 9

Page: 3482-3494

Accession number: WOS:000387862100017

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[Rapid prototyping of electrolyzer flow field plates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387862100009)

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Volume: 9

Page: 3417-3423

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Volume: 9

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Volume: 9

Page: 3172-3179

Accession number: WOS:000386336200021

Document Type:Article

[Surface charge self-recovering electret film for wearable energy conversion in a harsh environment](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200009)

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Volume: 9

Page: 3085-3091

Accession number: WOS:000386336200009

Document Type:Article

[A new perspective in bio-refining: levoglucosenone and cleaner lignin from waste biorefinery hydrolysis lignin by selective conversion of residual saccharides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384921700010)

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Volume: 9

Page: 2571-2574

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Volume: 9

Page: 2497-2510

Accession number: WOS:000384921700002

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Volume: 9

Page: 1828-1840

Accession number: WOS:000375699500027

Document Type:Article

[A tandem dye-sensitized photoelectrochemical cell for light driven hydrogen production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500025)

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Volume: 9

Page: 1812-1817

Accession number: WOS:000375699500025

Document Type:Article

[An ethylenediamine-grafted Y zeolite: a highly regenerable carbon dioxide adsorbent via temperature swing adsorption without urea formation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500024)

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Volume: 9

Page: 1803-1811

Accession number: WOS:000375699500024

Document Type:Article

[Unraveling the hidden function of a stabilizer in a precursor in improving hybrid perovskite film morphology for high efficiency solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600012)

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Volume: 9

Page: 867-872

Accession number: WOS:000372243600012

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[High efficiency hydrogen evolution from native biomass electrolysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500011)

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Volume: 9

Page: 467-472

Accession number: WOS:000369744500011

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[Self-terminated electrodeposition of iridium electrocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300012)

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Volume: 8

Page: 3557-3562

Accession number: WOS:000365412300012

Document Type:Article

[Well to wheel analysis of low carbon alternatives for road traffic](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500025)

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Volume: 8

Page: 3313-3324

Accession number: WOS:000364324500025

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[Electrolysis of liquid ammonia for hydrogen generation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600024)

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Volume: 8

Page: 2775-2781

Accession number: WOS:000360456600024

Document Type:Article

[The photobioelectrochemical activity of thylakoid bioanodes is increased via photocurrent generation and improved contacts by membrane-intercalating conjugated oligoelectrolytes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600015)

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Volume: 8

Page: 2698-2706

Accession number: WOS:000360456600015

Document Type:Article

[Ecodesign of organic photovoltaic modules from Danish and Chinese perspectives](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600001)

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Volume: 8

Page: 2537-2550

Accession number: WOS:000360456600001

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[First turnover analysis of water-oxidation catalyzed by Co-oxide nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600027)

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Volume: 8

Page: 2492-2503

Accession number: WOS:000358730600027

Document Type:Article

[Oxygen-tolerant proton reduction catalysis: much O-2 about nothing?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600004)

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Volume: 8

Page: 2283-2295

Accession number: WOS:000358730600004

Document Type:Article

[Platinum(II)-porphyrin as a sensitizer for visible-light driven water oxidation in neutral phosphate buffer](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600023)

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Volume: 8

Page: 975-982

Accession number: WOS:000352274600023

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[A single atom change switches-on the solar-to-energy conversion efficiency of Zn-porphyrin based dye sensitized solar cells to 10.5%](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352275500025)

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Volume: 8

Page: 1368-1375

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Document Type:Article

[Efficient hydrogen release from perhydro-N-ethylcarbazole using catalyst-coated metallic structures produced by selective electron beam melting](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349616900023)

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Volume: 8

Page: 641-649

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Document Type:Article

[Light trapping in bendable organic solar cells using silica nanoparticle arrays](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352274600019)

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Volume: 8

Page: 932-940

Accession number: WOS:000352274600019

Document Type:Article

[Design of Li1+2xZn1-xPS4, a new lithium ion conductor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386336200031)

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Volume: 9

Page: 3272-3278

Accession number: WOS:000386336200031

Document Type:Article

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Volume: 9

Page: 2644-2653

Accession number: WOS:000384921700019

Document Type:Article

[Degradation and stabilization of lithium cobalt oxide in aqueous electrolytes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500028)

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Volume: 9

Page: 1841-1848

Accession number: WOS:000375699500028

Document Type:Article

[Managing geologic CO2 storage with pre-injection brine production: a strategy evaluated with a model of CO2 injection at Snohvit](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200035)

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Volume: 9

Page: 1504-1512

Accession number: WOS:000374351200035

Document Type:Article

[Large scale computational screening and experimental discovery of novel materials for high temperature CO2 capture](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374351200021)

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Volume: 9

Page: 1346-1360

Accession number: WOS:000374351200021

Document Type:Article

[Capture of iodine and organic iodides using silica zeolites and the semiconductor behaviour of iodine in a silica zeolite](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372243600035)

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Volume: 9

Page: 1050-1062

Accession number: WOS:000372243600035

Document Type:Article

[Development of solar fuels photoanodes through combinatorial integration of Ni-La-Co-Ce oxide catalysts on BiVO4](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500022)

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Volume: 9

Page: 565-580

Accession number: WOS:000369744500022

Document Type:Article

[Mono- and tri-ester hydrogenolysis using tandem catalysis. Scope and mechanism](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500021)

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Volume: 9

Page: 550-564

Accession number: WOS:000369744500021

Document Type:Article

[New insight into the material parameter B to understand the enhanced thermoelectric performance of Mg2Sn1-x-yGexSby](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369744500019)

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Volume: 9

Page: 530-539

Accession number: WOS:000369744500019

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[A soft, multilayered lithium-electrolyte interface](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367622700011)

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Volume: 9

Page: 112-116

Accession number: WOS:000367622700011

Document Type:Article

[Predicting the solar thermochemical water splitting ability and reaction mechanism of metal oxides: a case study of the hercynite family of water splitting cycles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300026)

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Volume: 8

Page: 3687-3699

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Document Type:Article

[Holistic design guidelines for solar hydrogen production by photo-electrochemical routes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300019)

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Volume: 8

Page: 3614-3628

Accession number: WOS:000365412300019

Document Type:Article

[How much bulk energy storage is needed to decarbonize electricity?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365412300002)

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Volume: 8

Page: 3409-3417

Accession number: WOS:000365412300002

Document Type:Article

[Harvesting temperature fluctuations as electrical energy using torsional and tensile polymer muscles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364324500027)

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Volume: 8

Page: 3336-3344

Accession number: WOS:000364324500027

Document Type:Article

[A high-performance spectrally-selective solar absorber based on a yttria-stabilized zirconia cermet with high-temperature stability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362351700026)

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Volume: 8

Page: 3040-3048

Accession number: WOS:000362351700026

Document Type:Article

[New ceramic electrodes allow reaching the target current density in bioelectrochemical systems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360456600016)

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Volume: 8

Page: 2707-2712

Accession number: WOS:000360456600016

Document Type:Article

[A quantitative analysis of the efficiency of solar-driven water-splitting device designs based on tandem photoabsorbers patterned with islands of metallic electrocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700013)

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Volume: 8

Page: 1736-1747

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Volume: 8

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Accession number: WOS:000355985700004

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Volume: 8

Page: 1702-1706

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Volume: 8

Page: 1511-1522

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Volume: 8

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Volume: 9

Page: 3103-3106

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Volume: 9

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Volume: 9

Page: 2197-2218

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Volume: 9

Page: 2031-2036

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Volume: 9

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Volume: 9

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Volume: 9

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Volume: 9

Page: 193-199

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Volume: 8

Page: 2664-2667

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Volume: 8

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Volume: 8

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Volume: 8

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Volume: 8

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Volume: 8

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Volume: 8

Page: 650-660

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Volume: 8

Page: 876-886

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Volume: 8

Page: 1261-1266

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Volume: 9

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Volume: 9

Page: 3521-3530

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Volume: 9

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Volume: 9

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Volume: 9

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Volume: 9

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Volume: 9

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Volume: 9

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Volume: 9

Page: 1237-1245

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Volume: 9

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Volume: 9

Page: 878-884

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Volume: 9

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Volume: 8

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Volume: 8

Page: 2768-2774

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Volume: 8

Page: 2622-2633

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Volume: 8

Page: 1685-1689

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Volume: 8

Page: 1484-1492

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Volume: 8

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Volume: 9

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Accession number: WOS:000387862100018

Document Type:Article

[A green and cost-effective rechargeable battery with high energy density based on a deep eutectic catholyte](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382749700009)

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By: Wang, Yarong; Zhou, Haoshen

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Document Type:Article

[A low-dissipation, pumpless, gravity-induced flow battery](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375699500020)

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[Annealing-free highly crystalline solution-processed molecular metal oxides for efficient single-junction and tandem polymer solar cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358730600023)

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[Theoretical capacity achieved in a LiMn0.5Fe0.4Mg0.1BO3 cathode by using topological disorder](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355985700017)

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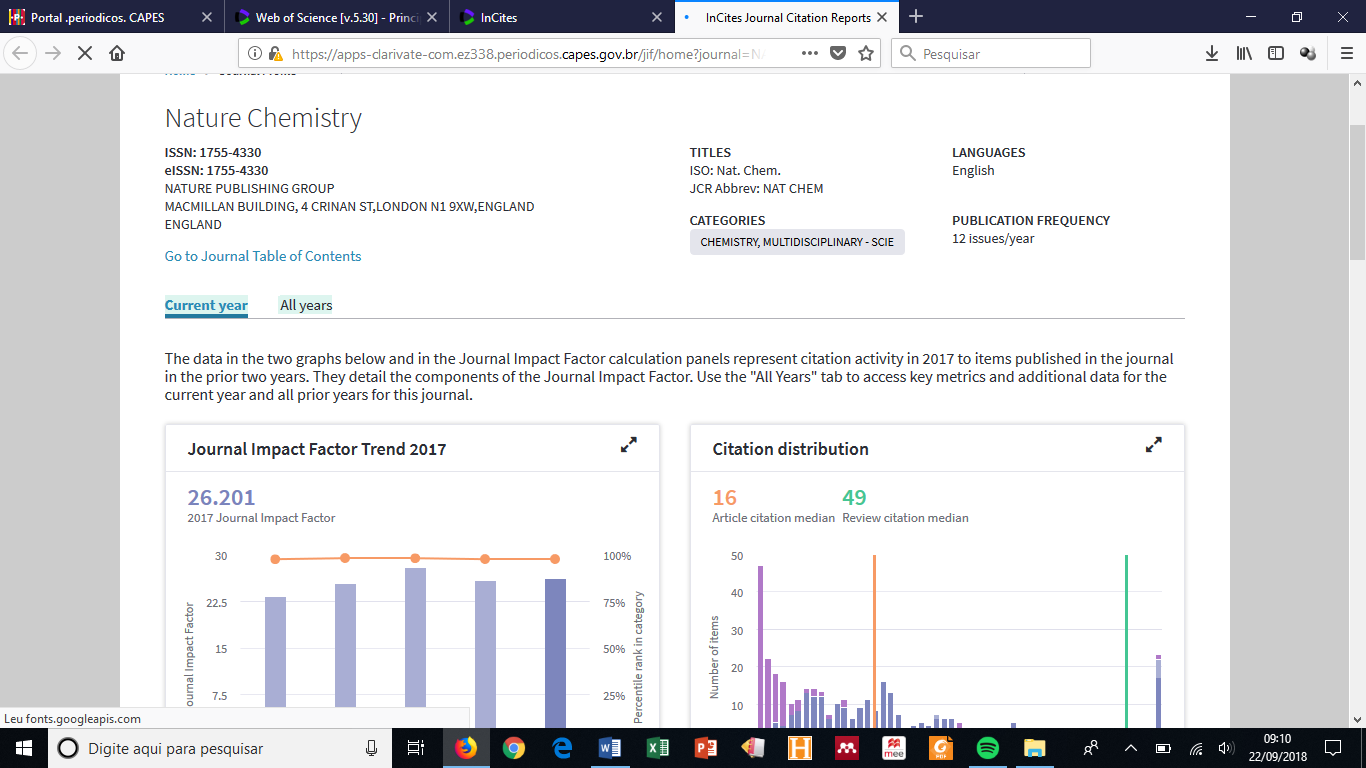
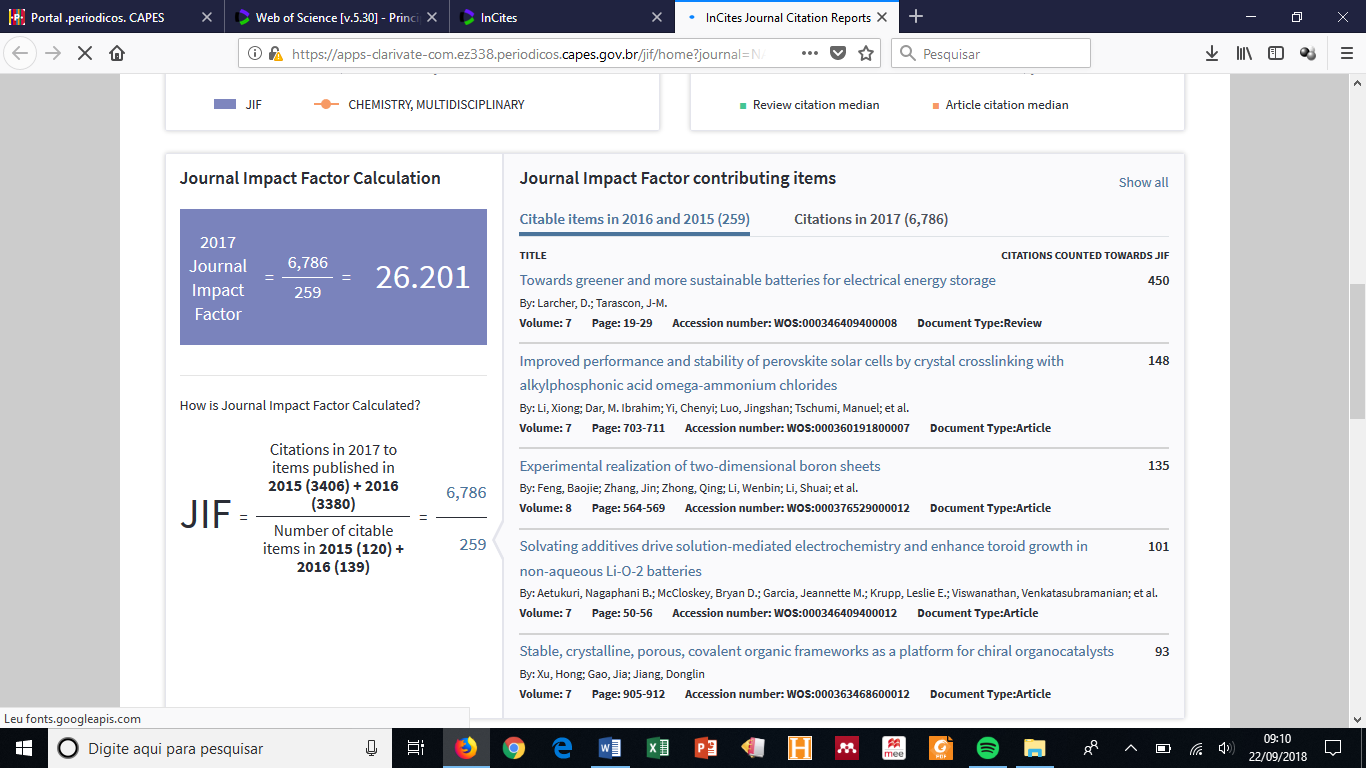
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1. [Stable, crystalline, porous, covalent organic frameworks as a platform for chiral organocatalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600012)

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By: Xu, Hong; Gao, Jia; Jiang, Donglin

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Document Type:Article

1. [On the origin of the stability of graphene oxide membranes in water](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348599600016)

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By: Yeh, Che-Ning; Raidongia, Kalyan; Shao, Jiaojing; Yang, Quan-Hong; Huang, Jiaxing

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Accession number: WOS:000348599600016

Document Type:Article

1. [Fabrication of carbon nanorods and graphene nanoribbons from a metal-organic framework](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400017)

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By: Pachfule, Pradip; Shinde, Dhanraj; Majumder, Mainak; Xu, Qiang

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Accession number: WOS:000378280400017

Document Type:Article

1. [A highly stretchable autonomous self-healing elastomer](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000020)

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By: Li, Cheng-Hui; Wang, Chao; Keplinger, Christoph; Zuo, Jing-Lin; Jin, Lihua; et al.

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Accession number: WOS:000376529000020

Document Type:Article

1. [Porphyrins at interfaces](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348599600009)

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By: Auwaerter, Willi; Ecija, David; Klappenberger, Florian; Barth, Johannes V.

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Accession number: WOS:000348599600009

Document Type:Review

1. [Dynamic molecular crystals with switchable physical properties](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400007)

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By: Sato, Osamu

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Accession number: WOS:000378280400007

Document Type:Review

1. [Covalent functionalization and passivation of exfoliated black phosphorus via aryl diazonium chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000017)

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By: Ryder, Christopher R.; Wood, Joshua D.; Wells, Spencer A.; Yang, Yang; Jariwala, Deep; et al.

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Accession number: WOS:000376529000017

Document Type:Article

1. [The structural and chemical origin of the oxygen redox activity in layered and cation-disordered Li-excess cathode materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400013)

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By: Seo, Dong-Hwa; Lee, Jinhyuk; Urban, Alexander; Malik, Rahul; Kang, ShinYoung; et al.

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Accession number: WOS:000378280400013

Document Type:Article

1. [Exploring the sequence space for (tri-) peptide self-assembly to design and discover](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346409400009)

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By: Frederix, Pim W. J. M.; Scott, Gary G.; Abul-Haija, Yousef M.; Kalafatovic, Daniela; Pappas, Charalampos G.; et al.

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Accession number: WOS:000346409400009

Document Type:Article

1. [Charge-compensation in 3d-transition-metal-oxide intercalation cathodes through the generation of localized electron holes on oxygen](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400012)

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By: Luo, Kun; Roberts, Matthew R.; Hao, Rong; Guerrini, Niccolo; Pickup, David M.; et al.

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Accession number: WOS:000378280400012

Document Type:Article

1. [Nickel-catalysed Suzuki-Miyaura coupling of amides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400015)

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By: Weires, Nicholas A.; Baker, Emma L.; Garg, Neil K.

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Accession number: WOS:000366675400015

Document Type:Article

1. [Counting on natural products for drug design](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000007)

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By: Rodrigues, Tiago; Reker, Daniel; Schneider, Petra; Schneider, Gisbert

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Accession number: WOS:000376529000007

Document Type:Review

1. [Common origins of RNA, protein and lipid precursors in a cyanosulfidic protometabolism](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200009)

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By: Patel, Bhavesh H.; Percivalle, Claudia; Ritson, Dougal J.; Duffy, Colm D.; Sutherland, John D.

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Accession number: WOS:000351756200009

Document Type:Article

1. [Covalent functionalization of monolayered transition metal dichalcogenides by phase engineering](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346409400011)

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By: Voiry, Damien; Goswami, Anandarup; Kappera, Rajesh; Castro e Silva, Cecilia de Carvalho; Kaplan, Daniel; et al.

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Accession number: WOS:000346409400011

Document Type:Article

1. [A meta-selective C-H borylation directed by a secondary interaction between ligand and substrate](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360191800008)

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By: Kuninobu, Yoichiro; Ida, Haruka; Nishi, Mitsumi; Kanai, Motomu

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Page: 712-717

Accession number: WOS:000360191800008

Document Type:Article

1. [Highly emissive platinum(II) metallacages](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200015)

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By: Yan, Xuzhou; Cook, Timothy R.; Wang, Pi; Huang, Feihe; Stang, Peter J.

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Accession number: WOS:000351756200015

Document Type:Article

[Substrate channelling as an approach to cascade reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500007)

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By: Wheeldon, Ian; Minteer, Shelley D.; Banta, Scott; Barton, Scott Calabrese; Atanassov, Plamen; et al.

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Accession number: WOS:000372505500007

Document Type:Review

[Molecular docking sites designed for the generation of highly crystalline covalent organic frameworks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500008)

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By: Ascherl, Laura; Sick, Torben; Margraf, Johannes T.; Lapidus, Saul H.; Calik, Mona; et al.

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Accession number: WOS:000372505500008

Document Type:Article

[Light-controlled self-assembly of non-photoresponsive nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358529600010)

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By: Kundu, Pintu K.; Samanta, Dipak; Leizrowice, Ron; Margulis, Baruch; Zhao, Hui; et al.

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Accession number: WOS:000358529600010

Document Type:Article

[Supramolecular binding and separation of hydrocarbons within a functionalized porous metal-organic framework](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348599600010)

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By: Yang, Sihai; Ramirez-Cuesta, Anibal J.; Newby, Ruth; Garcia-Sakai, Victoria; Manuel, Pascal; et al.

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Accession number: WOS:000348599600010

Document Type:Article

[Introducing structural sensitivity into adsorption-energy scaling relations by means of coordination numbers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900013)

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By: Calle-Vallejo, Federico; Loffreda, David; Koper, Marc T. M.; Sautet, Philippe

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Accession number: WOS:000353347900013

Document Type:Article

[Supramolecular ferroelectrics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200007)

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By: Tayi, Alok S.; Kaeser, Adrien; Matsumoto, Michio; Aida, Takuzo; Stupp, Samuel I.

Volume: 7

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Accession number: WOS:000351756200007

Document Type:Review

[The critical role of phase-transfer catalysis in aprotic sodium oxygen batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800009)

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By: Xia, Chun; Black, Robert; Fernandes, Russel; Adams, Brian; Nazar, Linda F.

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Accession number: WOS:000354799800009

Document Type:Article

[Controlling and imaging biomimetic self-assembly](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400006)

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By: Aliprandi, Alessandro; Mauro, Matteo; De Cola, Luisa

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Accession number: WOS:000366675400006

Document Type:Article

[Real-time observation of multiexcitonic states in ultrafast singlet fission using coherent 2D electronic spectroscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400007)

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By: Bakulin, Artem A.; Morgan, Sarah E.; Kehoe, Tom B.; Wilson, Mark W. B.; Chin, Alex W.; et al.

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Accession number: WOS:000366675400007

Document Type:Article

[Ultrahigh-throughput exfoliation of graphite into pristine 'single-layer' graphene using microwaves and molecularly engineered ionic liquids](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360191800011)

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By: Matsumoto, Michio; Saito, Yusuke; Park, Chiyoung; Fukushima, Takanori; Aida, Takuzo

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Accession number: WOS:000360191800011

Document Type:Article

[Expanding the chemical toolbox for the synthesis of large and uniquely modified proteins](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374534100007)

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By: Bondalapati, Somasekhar; Jbara, Muhammad; Brik, Ashraf

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Accession number: WOS:000374534100007

Document Type:Review

[Prediction and accelerated laboratory discovery of previously unknown 18-electron ABX compounds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200010)

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By: Gautier, Romain; Zhang, Xiuwen; Hu, Linhua; Yu, Liping; Lin, Yuyuan; et al.

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Accession number: WOS:000351756200010

Document Type:Article

[Site-selective protein-modification chemistry for basic biology and drug development](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200006)

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By: Krall, Nikolaus; da Cruz, Filipa P.; Boutureira, Omar; Bernardes, Goncalo J. L.

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Accession number: WOS:000369327200006

Document Type:Article

[Palladium-catalysed norbornene-mediated C-H functionalization of arenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600006)

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By: Ye, Juntao; Lautens, Mark

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Accession number: WOS:000363468600006

Document Type:Article

[Sub-50-fs photoinduced spin crossover in [Fe(bpy)(3)](2+)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358529600007)

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By: Auboeck, Gerald; Chergui, Majed

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Accession number: WOS:000358529600007

Document Type:Article

[Determination of photoelectrochemical water oxidation intermediates on haematite electrode surfaces using operando infrared spectroscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300011)

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By: Zandi, Omid; Hamann, Thomas W.

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Document Type:Article

[Assembling molecular Sierpinski triangle fractals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900011)

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By: Shang, Jian; Wang, Yongfeng; Chen, Min; Dai, Jingxin; Zhou, Xiong; et al.

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Accession number: WOS:000353347900011

Document Type:Article

[Spatially resolved multicomponent gels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200017)

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By: Draper, Emily R.; Eden, Edward G. B.; McDonald, Tom O.; Adams, Dave J.

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Document Type:Article

[Iterative exponential growth of stereo- and sequence-controlled polymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200010)

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By: Barnes, Jonathan C.; Ehrlich, Deborah J. C.; Gao, Angela X.; Leibfarth, Frank A.; Jiang, Yivan; et al.

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Accession number: WOS:000361753200010

Document Type:Article

[Self-assembled nanospheres with multiple endohedral binding sites pre-organize catalysts and substrates for highly efficient reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300009)

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By: Wang, Qi-Qiang; Gonell, Sergio; Leenders, Stefan H. A. M.; Duerr, Maximilian; Ivanovic-Burmazovic, Ivana; et al.

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Document Type:Article

[Highly efficient catalysis of the Kemp elimination in the cavity of a cubic coordination cage](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300010)

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By: Cullen, William; Misuraca, M. Cristina; Hunter, Christopher A.; Williams, Nicholas H.; Ward, Michael D.

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Document Type:Article

[Screening and classifying small-molecule inhibitors of amyloid formation using ion mobility spectrometry-mass spectrometry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346409400015)

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By: Young, Lydia M.; Saunders, Janet C.; Mahood, Rachel A.; Revill, Charlotte H.; Foster, Richard J.; et al.

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Accession number: WOS:000346409400015

Document Type:Article

[A manganese catalyst for highly reactive yet chemoselective intramolecular C(sp(3))-H amination](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200012)

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By: Paradine, Shauna M.; Griffin, Jennifer R.; Zhao, Jinpeng; Petronico, Aaron L.; Miller, Shannon M.; et al.

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Accession number: WOS:000365279200012

Document Type:Article

[On-surface generation and imaging of arynes by atomic force microscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358529600006)

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By: Pavlicek, Niko; Schuler, Bruno; Collazos, Sara; Moll, Nikolaj; Perez, Dolores; et al.

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Accession number: WOS:000358529600006

Document Type:Article

[A molecular shuttle that operates inside a metal-organic framework](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800012)

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By: Zhu, Kelong; O'Keefe, Christopher A.; Vukotic, V. Nicholas; Schurko, Robert W.; Loeb, Stephen J.

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Accession number: WOS:000354799800012

Document Type:Article

[Accurate first-principles structures and energies of diversely bonded systems from an efficient density functional](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700007)

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By: Sun, Jianwei; Remsing, Richard C.; Zhang, Yubo; Sun, Zhaoru; Ruzsinszky, Adrienn; et al.

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Accession number: WOS:000384411700007

Document Type:Article

[Diindeno-fusion of an anthracene as a design strategy for stable organic biradicals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300008)

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By: Rudebusch, Gabriel E.; Zafra, Jose L.; Jorner, Kjell; Fukuda, Kotaro; Marshall, Jonathan L.; et al.

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Accession number: WOS:000380743300008

Document Type:Article

[Dynamic formation of a solid-liquid electrolyte interphase and its consequences for hybrid-battery concepts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374534100009)

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By: Busche, Martin R.; Drossel, Thomas; Leichtweiss, Thomas; Weber, Dominik A.; Falk, Mareike; et al.

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Accession number: WOS:000374534100009

Document Type:Article

[Diversification of self-replicating molecules](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300015)

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By: Sadownik, Jan W.; Mattia, Elio; Nowak, Piotr; Otto, Sijbren

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Accession number: WOS:000370824300015

Document Type:Article

[Supramolecular regulation of bioorthogonal catalysis in cells using nanoparticle-embedded transition metal catalysts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356805300013)

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By: Tonga, Gulen Yesilbag; Jeong, Youngdo; Duncan, Bradley; Mizuhara, Tsukasa; Mout, Rubul; et al.

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Accession number: WOS:000356805300013

Document Type:Article

[Orthogonal tandem catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800006)

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By: Lohr, Tracy L.; Marks, Tobin J.

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Document Type:Article

[Remote functionalization through alkene isomerization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300007)

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By: Vasseur, Alexandre; Bruffaerts, Jeffrey; Marek, Ilan

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Accession number: WOS:000370824300007

Document Type:Review

[Photoinduced reversible switching of porosity in molecular crystals based on star-shaped azobenzene tetramers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358529600008)

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By: Baroncini, Massimo; d'Agostino, Simone; Bergamini, Giacomo; Ceroni, Paola; Comotti, Angiolina; et al.

Volume: 7

Page: 634-640

Accession number: WOS:000358529600008

Document Type:Article

[Iterative design of a helically folded aromatic oligoamide sequence for the selective encapsulation of fructose](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200014)

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By: Chandramouli, Nagula; Ferrand, Yann; Lautrette, Guillaume; Kauffmann, Brice; Mackereth, Cameron David; et al.

Volume: 7

Page: 334-341

Accession number: WOS:000351756200014

Document Type:Article

[Fast response dry-type artificial molecular muscles with [c2]daisy chains](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000021)

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By: Iwaso, Kazuhisa; Takashima, Yoshinori; Harada, Akira

Volume: 8

Page: 626-633

Accession number: WOS:000376529000021

Document Type:Article

[Reversible Bergman cyclization by atomic manipulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300008)

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By: Schuler, Bruno; Fatayer, Shadi; Mohn, Fabian; Moll, Nikolaj; Pavlicek, Niko; et al.

Volume: 8

Page: 220-224

Accession number: WOS:000370824300008

Document Type:Article

[Completely recyclable biopolymers with linear and cyclic topologies via ring-opening polymerization of gamma-butyrolactone](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400010)

29

By: Hong, Miao; Chen, Eugene Y. -X.

Volume: 8

Page: 42-49

Accession number: WOS:000366675400010

Document Type:Article

[Charge-transfer-directed radical substitution enables para-selective C-H functionalization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300016)

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By: Boursalian, Gregory B.; Ham, Won Seok; Mazzotti, Anthony R.; Ritter, Tobias

Volume: 8

Page: 810-815

Accession number: WOS:000380743300016

Document Type:Article

[Degradable vinyl polymers for biomedical applications](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200006)

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By: Delplace, Vianney; Nicolas, Julien

Volume: 7

Page: 771-784

Accession number: WOS:000361753200006

Document Type:Review

[Molecular rectifier composed of DNA with high rectification ratio enabled by intercalation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374534100017)

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By: Guo, Cunlan; Wang, Kun; Zerah-Harush, Elinor; Hamill, Joseph; Wang, Bin; et al.

Volume: 8

Page: 484-490

Accession number: WOS:000374534100017

Document Type:Article

[Transfer of molecular recognition information from DNA nanostructures to gold nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200015)

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By: Edwardson, Thomas G. W.; Lau, Kai Lin; Bousmail, Danny; Serpell, Christopher J.; Sleiman, Hanadi F.

Volume: 8

Page: 162-170

Accession number: WOS:000369327200015

Document Type:Article

[Rational design of functional and tunable oscillating enzymatic networks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348599600015)

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By: Semenov, Sergey N.; Wong, Albert S. Y.; van der Made, R. Martijn; Postma, Sjoerd G. J.; Groen, Joost; et al.

Volume: 7

Page: 160-165

Accession number: WOS:000348599600015

Document Type:Article

[Parameterization of phosphine ligands reveals mechanistic pathways and predicts reaction outcomes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000019)

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By: Niemeyer, Zachary L.; Milo, Anat; Hickey, David P.; Sigman, Matthew S.

Volume: 8

Page: 611-618

Accession number: WOS:000376529000019

Document Type:Article

[The colibactin warhead crosslinks DNA](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900014)

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By: Vizcaino, Maria I.; Crawford, Jason M.

Volume: 7

Page: 411-417

Accession number: WOS:000353347900014

Document Type:Article

[An electrochemical clamp assay for direct, rapid analysis of circulating nucleic acids in serum](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356805300009)

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By: Das, Jagotamoy; Ivanov, Ivaylo; Montermini, Laura; Rak, Janusz; Sargent, Edward H.; et al.

Volume: 7

Page: 569-575

Accession number: WOS:000356805300009

Document Type:Article

[Enabling singlet fission by controlling intramolecular charge transfer in pi-stacked covalent terrylenediimide dimers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700009)

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By: Margulies, Eric A.; Miller, Claire E.; Wu, Yilei; Ma, Lin; Schatz, George C.; et al.

Volume: 8

Page: 1120-1125

Accession number: WOS:000389225700009

Document Type:Article

[Dissipative self-assembly of vesicular nanoreactors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400018)

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By: Maiti, Subhabrata; Fortunati, Ilaria; Ferrante, Camilla; Scrimin, Paolo; Prins, Leonard J.

Volume: 8

Page: 725-731

Accession number: WOS:000378280400018

Document Type:Article

[A supramolecular ruthenium macrocycle with high catalytic activity for water oxidation that mechanistically mimics photosystem II](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000014)

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By: Schulze, Marcus; Kunz, Valentin; Frischmann, Peter D.; Wuerthner, Frank

Volume: 8

Page: 577-584

Accession number: WOS:000376529000014

Document Type:Article

[An autonomous molecular assembler for programmable chemical synthesis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000008)

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By: Meng, Wenjing; Muscat, Richard A.; McKee, Mireya L.; Milnes, Phillip J.; El-Sagheer, Afaf H.; et al.

Volume: 8

Page: 542-548

Accession number: WOS:000376529000008

Document Type:Article

[Synthesis of giant globular multivalent glycofullerenes as potent inhibitors in a model of Ebola virus infection](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400011)

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By: Munoz, Antonio; Sigwalt, David; Illescas, Beatriz M.; Luczkowiak, Joanna; Rodriguez-Perez, Laura; et al.

Volume: 8

Page: 50-57

Accession number: WOS:000366675400011

Document Type:Article

[Combined biomass valorization and hydrogen production in a photoelectrochemical cell](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200013)

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By: Cha, Hyun Gil; Choi, Kyoung-Shin

Volume: 7

Page: 328-333

Accession number: WOS:000351756200013

Document Type:Article

[Nickel-centred proton reduction catalysis in a model of [NiFe] hydrogenase](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800018)

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Volume: 8

Page: 1054-1060

Accession number: WOS:000389224800018

Document Type:Article

[A chemically powered unidirectional rotary molecular motor based on a palladium redox cycle](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700012)

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By: Collins, Beatrice S. L.; Kistemaker, Jos C. M.; Otten, Edwin; Feringa, Ben L.

Volume: 8

Page: 860-866

Accession number: WOS:000384411700012

Document Type:Article

[In situ real-time imaging of self-sorted supramolecular nanofibres](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300007)

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By: Onogi, Shoji; Shigemitsu, Hajime; Yoshii, Tatsuyuki; Tanida, Tatsuya; Ikeda, Masato; et al.

Volume: 8

Page: 743-752

Accession number: WOS:000380743300007

Document Type:Article

[pi-Clamp-mediated cysteine conjugation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200009)

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By: Zhang, Chi; Welborn, Matthew; Zhu, Tianyu; Yang, Nicole J.; Santos, Michael S.; et al.

Volume: 8

Page: 120-128

Accession number: WOS:000369327200009

Document Type:Article

[Cooperative singlet and triplet exciton transport in tetracene crystals visualized by ultrafast microscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200007)

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By: Wan, Yan; Guo, Zhi; Zhu, Tong; Yan, Suxia; Johnson, Justin; et al.

Volume: 7

Page: 785-792

Accession number: WOS:000361753200007

Document Type:Article

[Stereoelectronic switching in single-molecule junctions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700010)

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By: Su, Timothy A.; Li, Haixing; Steigerwald, Michael L.; Venkataraman, Latha; Nuckolls, Colin

Volume: 7

Page: 215-220

Accession number: WOS:000350115700010

Document Type:Article

[Materials and methods for delivery of biological drugs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800010)

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By: Zelikin, Alexander N.; Ehrhardt, Carsten; Healy, Anne Marie

Volume: 8

Page: 997-1007

Accession number: WOS:000389224800010

Document Type:Review

[Self-assembly of size-controlled liposomes on DNA nanotemplates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374534100016)

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By: Yang, Yang; Wang, Jing; Shigematsu, Hideki; Xu, Weiming; Shih, William M.; et al.

Volume: 8

Page: 476-483

Accession number: WOS:000374534100016

Document Type:Article

[Crystalline coordination framework endowed with dynamic gate-opening behaviour by being downsized to a thin film](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500017)

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By: Sakaida, Shun; Otsubo, Kazuya; Sakata, Osami; Song, Chulho; Fujiwara, Akihiko; et al.

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Page: 377-383

Accession number: WOS:000372505500017

Document Type:Article

[Iterative reactions of transient boronic acids enable sequential C-C bond formation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500015)

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Volume: 8

Page: 360-367

Accession number: WOS:000372505500015

Document Type:Article

[Pick-up, transport and release of a molecular cargo using a small-molecule robotic arm](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200011)

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By: Kassem, Salma; Lee, Alan T. L.; Leigh, David A.; Markevicius, Augustinas; Sola, Jordi

Volume: 8

Page: 138-143

Accession number: WOS:000369327200011

Document Type:Article

[Iron sensitizer converts light to electrons with 92% yield](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600009)

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By: Harlang, Tobias C. B.; Liu, Yizhu; Gordivska, Olga; Fredin, Lisa A.; Ponseca, Carlito S., Jr.; et al.

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Page: 883-889

Accession number: WOS:000363468600009

Document Type:Article

[Catalytic, stereospecific syn-dichlorination of alkenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348599600013)

23

By: Cresswell, Alexander J.; Eey, Stanley T. -C.; Denmark, Scott E.

Volume: 7

Page: 146-152

Accession number: WOS:000348599600013

Document Type:Article

[Highly branched and loop-rich gels via formation of metal-organic cages linked by polymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400009)

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By: Zhukhovitskiy, Aleksandr V.; Zhong, Mingjiang; Keeler, Eric G.; Michaelis, Vladimir K.; Sun, Jessie E. P.; et al.

Volume: 8

Page: 33-41

Accession number: WOS:000366675400009

Document Type:Article

[Exploiting chemically selective weakness in solids as a route to new porous materials](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900010)

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By: Morris, Russell E.; Cejka, Jiri

Volume: 7

Page: 381-388

Accession number: WOS:000353347900010

Document Type:Article

[Intermediate tunnelling-hopping regime in DNA charge transport](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700011)

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Volume: 7

Page: 221-226

Accession number: WOS:000350115700011

Document Type:Article

[Local vibrational coherences drive the primary photochemistry of vision](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200011)

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By: Johnson, Philip J. M.; Halpin, Alexei; Morizumi, Takefumi; Prokhorenko, Valentyn I.; Ernst, Oliver P.; et al.

Volume: 7

Page: 980-986

Accession number: WOS:000365279200011

Document Type:Article

[Fast and selective ring-opening polymerizations by alkoxides and thioureas](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800017)

22

By: Zhang, Xiangyi; Jones, Gavin O.; Hedrick, James L.; Waymouth, Robert M.

Volume: 8

Page: 1047-1053

Accession number: WOS:000389224800017

Document Type:Article

[Quasicrystallinity expressed in two-dimensional coordination networks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400008)

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By: Urgel, Jose I.; Ecija, David; Lyu, Guoqing; Zhang, Ran; Palma, Carlos-Andres; et al.

Volume: 8

Page: 657-662

Accession number: WOS:000378280400008

Document Type:Article

[Evolution of thermophilic DNA polymerases for the recognition and amplification of C2 '-modified DNA](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000011)

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By: Chen, Tingjian; Hongdilokkul, Narupat; Liu, Zhixia; Adhikary, Ramkrishna; Tsuen, Shujian S.; et al.

Volume: 8

Page: 557-563

Accession number: WOS:000376529000011

Document Type:Article

[Synthesis of 'unfeasible' zeolites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400012)

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By: Mazur, Michal; Wheatley, Paul S.; Navarro, Marta; Roth, Wieslaw J.; Polozij, Miroslav; et al.

Volume: 8

Page: 58-62

Accession number: WOS:000366675400012

Document Type:Article

[Inducing and quantifying forbidden reactivity with single-molecule polymer mechanochemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200012)

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By: Wang, Junpeng; Kouznetsova, Tatiana B.; Niu, Zhenbin; Ong, Mitchell T.; Klukovich, Hopem.; et al.

Volume: 7

Page: 323-327

Accession number: WOS:000351756200012

Document Type:Article

[Phosphorylation-mediated RNA/peptide complex coacervation as a model for intracellular liquid organelles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200010)

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By: Aumiller, William M., Jr.; Keating, Christine D.

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Page: 129-137

Accession number: WOS:000369327200010

Document Type:Article

[O-GlcNAc modification blocks the aggregation and toxicity of the protein alpha-synuclein associated with Parkinson's disease](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600013)

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By: Marotta, Nicholas P.; Lin, Yu Hsuan; Lewis, Yuka E.; Ambroso, Mark R.; Zaro, Balyn W.; et al.

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Page: 913-920

Accession number: WOS:000363468600013

Document Type:Article

[Unidirectional rotary motion in achiral molecular motors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600010)

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By: Kistemaker, Jos C. M.; Stacko, Peter; Visser, Johan; Feringa, Ben L.

Volume: 7

Page: 890-896

Accession number: WOS:000363468600010

Document Type:Article

[Enantioselective aldol reactions with masked fluoroacetates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300017)

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By: Saadi, Jakub; Wennemers, Helma

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Accession number: WOS:000370824300017

Document Type:Article

[Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374534100015)

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By: Wu, Xue-Jun; Chen, Junze; Tan, Chaoliang; Zhu, Yihan; Han, Yu; et al.

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Accession number: WOS:000374534100015

Document Type:Article

[Synthesis and characterization of hexaarylbenzenes with five or six different substituents enabled by programmed synthesis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700012)

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By: Suzuki, Shin; Segawa, Yasutomo; Itami, Kenichiro; Yamaguchi, Junichiro

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Accession number: WOS:000350115700012

Document Type:Article

[Identification of (S)-selective transaminases for the asymmetric synthesis of bulky chiral amines](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800021)

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By: Pavlidis, Ioannis V.; Weiss, Martin S.; Genz, Maika; Spurr, Paul; Hanlon, Steven P.; et al.

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Accession number: WOS:000389224800021

Document Type:Article

[Directionally tunable and mechanically deformable ferroelectric crystals from rotating polar globular ionic molecules](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384413000015)

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Volume: 8

Page: 946-952

Accession number: WOS:000384413000015

Document Type:Article

[Self-organized architectures from assorted DNA-framed nanoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700013)

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By: Liu, Wenyan; Halverson, Jonathan; Tian, Ye; Tkachenko, Alexei V.; Gang, Oleg

Volume: 8

Page: 867-873

Accession number: WOS:000384411700013

Document Type:Article

[Detecting the oxyl radical of photocatalytic water oxidation at an n-SrTiO3/aqueous interface through its subsurface vibration](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000009)

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Volume: 8

Page: 549-555

Accession number: WOS:000376529000009

Document Type:Article

[Self-assembling biomolecular catalysts for hydrogen production](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200017)

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Volume: 8

Page: 179-185

Accession number: WOS:000369327200017

Document Type:Article

[Two-stage directed self-assembly of a cyclic [3]catenane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200017)

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By: Wood, Christopher S.; Ronson, Tanya K.; Belenguer, Ana M.; Holstein, Julian J.; Nitschke, Jonathan R.

Volume: 7

Page: 354-358

Accession number: WOS:000351756200017

Document Type:Article

[Spatially resolved analysis of short-range structure perturbations in a plastically bent molecular crystal](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346409400014)

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Volume: 7

Page: 65-72

Accession number: WOS:000346409400014

Document Type:Article

[MIDA boronates are hydrolysed fast and slow by two different mechanisms](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800020)

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Volume: 8

Page: 1067-1075

Accession number: WOS:000389224800020

Document Type:Article

[A decarboxylative approach for regioselective hydroarylation of alkynes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700013)

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By: Zhang, Jing; Shrestha, Ruja; Hartwig, John F.; Zhao, Pinjing

Volume: 8

Page: 1144-1151

Accession number: WOS:000389225700013

Document Type:Article

[Oriented electric fields as future smart reagents in chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700005)

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By: Shaik, Sason; Mandal, Debasish; Ramanan, Rajeev

Volume: 8

Page: 1091-1098

Accession number: WOS:000389225700005

Document Type:Article

[The dipolar endofullerene HF@C-60](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384413000016)

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Volume: 8

Page: 953-957

Accession number: WOS:000384413000016

Document Type:Article

[Neutral zero-valent s-block complexes with strong multiple bonding](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700018)

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Volume: 8

Page: 890-894

Accession number: WOS:000384411700018

Document Type:Article

[Catalytic enantioselective addition of organoboron reagents to fluoroketones controlled by electrostatic interactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300010)

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Volume: 8

Page: 768-777

Accession number: WOS:000380743300010

Document Type:Article

[Synthesis of a distinct water dimer inside fullerene C-70](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374534100010)

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Volume: 8

Page: 435-441

Accession number: WOS:000374534100010

Document Type:Article

[The role of metal ions in X-ray-induced photochemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300011)

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By: Stumpf, V.; Gokhberg, K.; Cederbaum, L. S.

Volume: 8

Page: 237-241

Accession number: WOS:000370824300011

Document Type:Article

[Influence of the leaving group on the dynamics of a gas-phase S(N)2 reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200013)

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By: Stei, Martin; Carrascosa, Eduardo; Kainz, Martin A.; Kelkar, Aditya H.; Meyer, Jennifer; et al.

Volume: 8

Page: 151-156

Accession number: WOS:000369327200013

Document Type:Article

[A steric tethering approach enables palladium-catalysed C-H activation of primary amino alcohols](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200015)

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Volume: 7

Page: 1009-1016

Accession number: WOS:000365279200015

Document Type:Article

[Switchable selectivity in an NHC-catalysed dearomatizing annulation reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200016)

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By: Guo, Chang; Fleige, Mirco; Janssen-Mueller, Daniel; Daniliuc, Constantin G.; Glorius, Frank

Volume: 7

Page: 843-848

Accession number: WOS:000361753200016

Document Type:Article

[Quantitative mapping of zinc fluxes in the mammalian egg reveals the origin of fertilization-induced zinc sparks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348599600011)

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By: Que, Emily L.; Bleher, Reiner; Duncan, Francesca E.; Kong, Betty Y.; Gleber, Sophie C.; et al.

Volume: 7

Page: 130-139

Accession number: WOS:000348599600011

Document Type:Article

[Copper-catalysed selective hydroamination reactions of alkynes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346409400010)

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By: Shi, Shi-Liang; Buchwald, Stephen L.

Volume: 7

Page: 38-44

Accession number: WOS:000346409400010

Document Type:Article

[Organometallic neptunium(III) complexes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300014)

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Volume: 8

Page: 797-802

Accession number: WOS:000380743300014

Document Type:Article

[Cyclic polymers from alkynes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300013)

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Volume: 8

Page: 791-796

Accession number: WOS:000380743300013

Document Type:Article

[Dynamic control over supramolecular handedness by selecting chiral induction pathways at the solution-solid interface](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400016)

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Volume: 8

Page: 711-717

Accession number: WOS:000378280400016

Document Type:Article

[Membraneless organelles can melt nucleic acid duplexes and act as biomolecular filters](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000013)

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By: Nott, Timothy J.; Craggs, Timothy D.; Baldwin, Andrew J.

Volume: 8

Page: 570-576

Accession number: WOS:000376529000013

Document Type:Article

[Unimolecular dissociation dynamics of vibrationally activated CH3CHOO Criegee intermediates to OH radical products](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374534100020)

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Volume: 8

Page: 509-514

Accession number: WOS:000374534100020

Document Type:Article

[Controlled partial interpenetration in metal-organic frameworks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300013)

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Volume: 8

Page: 250-257

Accession number: WOS:000370824300013

Document Type:Article

[A supramolecular helix that disregards chirality](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400016)

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Volume: 8

Page: 80-89

Accession number: WOS:000366675400016

Document Type:Article

[Inhibition of human copper trafficking by a small molecule significantly attenuates cancer cell proliferation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200010)

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Volume: 7

Page: 968-979

Accession number: WOS:000365279200010

Document Type:Article

[Formal SiH4 chemistry using stable and easy-to-handle surrogates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200011)

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Volume: 7

Page: 816-822

Accession number: WOS:000361753200011

Document Type:Article

[Chemical tagging and customizing of cellular chromatin states using ultrafast trans-splicing inteins](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900012)

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Volume: 7

Page: 394-402

Accession number: WOS:000353347900012

Document Type:Article

[Reversal of Huckel (anti)aromaticity in the lowest triplet states of hexaphyrins and spectroscopic evidence for Baird's rule](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900015)

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Volume: 7

Page: 418-422

Accession number: WOS:000353347900015

Document Type:Article

[Dual-display of small molecules enables the discovery of ligand pairs and facilitates affinity maturation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700014)

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Volume: 7

Page: 241-249

Accession number: WOS:000350115700014

Document Type:Article

[Molecular length dictates the nature of charge carriers in single-molecule junctions of oxidized oligothiophenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700009)

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Volume: 7

Page: 209-214

Accession number: WOS:000350115700009

Document Type:Article

[Heat flux across an open pore enables the continuous replication and selection of oligonucleotides towards increasing length](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700008)

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By: Kreysing, Moritz; Keil, Lorenz; Lanzmich, Simon; Braun, Dieter

Volume: 7

Page: 203-208

Accession number: WOS:000350115700008

Document Type:Article

[Terpene cyclization catalysed inside a self-assembled cavity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700007)

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By: Zhang, Q.; Tiefenbacher, K.

Volume: 7

Page: 197-202

Accession number: WOS:000350115700007

Document Type:Article

[Structure and biosynthesis of a macrocyclic peptide containing an unprecedented lysine-to-tryptophan crosslink](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900017)

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By: Schramma, Kelsey R.; Bushin, Leah B.; Seyedsayamdost, Mohammad R.

Volume: 7

Page: 431-437

Accession number: WOS:000353347900017

Document Type:Article

[Targeted drug delivery through the traceless release of tertiary and heteroaryl amines from antibody-drug conjugates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700008)

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Volume: 8

Page: 1112-1119

Accession number: WOS:000389225700008

Document Type:Article

[Imaging single-molecule reaction intermediates stabilized by surface dissipation and entropy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400011)

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Volume: 8

Page: 678-683

Accession number: WOS:000378280400011

Document Type:Article

[Conversion of alkanes to linear alkylsilanes using an iridium-iron-catalysed tandem dehydrogenation-isomerization-hydrosilylation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200014)

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By: Jia, Xiangqing; Huang, Zheng

Volume: 8

Page: 157-161

Accession number: WOS:000369327200014

Document Type:Article

[A labile hydride strategy for the synthesis of heavily nitridized BaTiO3](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200016)

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By: Yajima, Takeshi; Takeiri, Fumitaka; Aidzu, Kohei; Akamatsu, Hirofumi; Fujita, Koji; et al.

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Page: 1017-1023

Accession number: WOS:000365279200016

Document Type:Article

[Simulation-guided DNA probe design for consistently ultraspecific hybridization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356805300006)

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By: Wang, Juexiao Sherry; Zhang, David Yu

Volume: 7

Page: 545-553

Accession number: WOS:000356805300006

Document Type:Article

[Applying green chemistry to the photochemical route to artemisinin](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800008)

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Volume: 7

Page: 489-495

Accession number: WOS:000354799800008

Document Type:Article

[All-cis 1,2,3,4,5,6-hexafluorocyclohexane is a facially polarized cyclohexane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800007)

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By: Keddie, Neil S.; Slawin, Alexandra M. Z.; Lebl, Tomas; Philp, Douglas; O'Hagan, David

Volume: 7

Page: 483-488

Accession number: WOS:000354799800007

Document Type:Article

[Triamidoamine uranium(IV)-arsenic complexes containing one-, two- and threefold U-As bonding interactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356805300011)

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Volume: 7

Page: 582-590

Accession number: WOS:000356805300011

Document Type:Article

[The scope and mechanism of palladium-catalysed Markovnikov alkoxycarbonylation of alkenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700015)

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Volume: 8

Page: 1159-1166

Accession number: WOS:000389225700015

Document Type:Article

[In situ observation of self-assembled hydrocarbon Fischer-Tropsch products on a cobalt catalyst](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384413000012)

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By: Navarro, Violeta; van Spronsen, Matthijs A.; Frenken, Joost W. M.

Volume: 8

Page: 929-934

Accession number: WOS:000384413000012

Document Type:Article

[Installing hydrolytic activity into a completely de novo protein framework](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700008)

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By: Burton, Antony J.; Thomson, Andrew R.; Dawson, William M.; Brady, R. Leo; Woolfson, Derek N.

Volume: 8

Page: 837-844

Accession number: WOS:000384411700008

Document Type:Article

[In situ mapping of the energy flow through the entire photosynthetic apparatus](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400015)

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By: Dostal, Jakub; Psencik, Jakub; Zigmantas, Donatas

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Accession number: WOS:000378280400015

Document Type:Article

[Sequence-defined bioactive macrocycles via an acid-catalysed cascade reaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000016)

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Volume: 8

Page: 591-597

Accession number: WOS:000376529000016

Document Type:Article

[Effects of correlated parameters and uncertainty in electronic-structure-based chemical kinetic modelling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500011)

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Volume: 8

Page: 331-337

Accession number: WOS:000372505500011

Document Type:Article

[Recent advances in the molecular design of synthetic vaccines](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200008)

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Volume: 7

Page: 952-960

Accession number: WOS:000365279200008

Document Type:Article

[An eight-step synthesis of epicolactone reveals its biosynthetic origin](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600008)

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By: Ellerbrock, Pascal; Armanino, Nicolas; Ilg, Marina K.; Webster, Robert; Trauner, Dirk

Volume: 7

Page: 879-882

Accession number: WOS:000363468600008

Document Type:Article

[On the mechanism of vibrational control of light-induced charge transfer in donor-bridge-acceptor assemblies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360191800005)

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Volume: 7

Page: 689-695

Accession number: WOS:000360191800005

Document Type:Article

[Optimization of a whole-cell biocatalyst by employing genetically encoded product sensors inside nanolitre reactors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358529600014)

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Volume: 7

Page: 673-678

Accession number: WOS:000358529600014

Document Type:Article

[Selective, rapid and optically switchable regulation of protein function in live mammalian cells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356805300007)

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Volume: 7

Page: 554-561

Accession number: WOS:000356805300007

Document Type:Article

[New ligands for nickel catalysis from diverse pharmaceutical heterocycle libraries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700010)

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Volume: 8

Page: 1126-1130

Accession number: WOS:000389225700010

Document Type:Article

[Force-induced tautomerization in a single molecule](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384413000013)

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Volume: 8

Page: 935-940

Accession number: WOS:000384413000013

Document Type:Article

[Kinetic pathway for interfacial electron transfer from a semiconductor to a molecule](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700011)

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Volume: 8

Page: 853-859

Accession number: WOS:000384411700011

Document Type:Article

[Self-assembled molecular p/n junctions for applications in dye-sensitized solar energy conversion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700009)

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Volume: 8

Page: 845-852

Accession number: WOS:000384411700009

Document Type:Article

[A direct approach to amines with remote stereocentres by enantioselective CuH-catalysed reductive relay hydroamination](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200012)

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Volume: 8

Page: 144-150

Accession number: WOS:000369327200012

Document Type:Article

[Catalytic formal [2+2+1] synthesis of pyrroles from alkynes and diazenes via Ti-II/Ti-IV redox catalysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400013)

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Volume: 8

Page: 63-68

Accession number: WOS:000366675400013

Document Type:Article

[Co-assembly, spatiotemporal control and morphogenesis of a hybrid protein-peptide system](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600011)

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Volume: 7

Page: 897-904

Accession number: WOS:000363468600011

Document Type:Article

[Shaping quaternary assemblies of water-soluble non-peptide helical foldamers by sequence manipulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600007)

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Volume: 7

Page: 871-878

Accession number: WOS:000363468600007

Document Type:Article

[Concerted proton-coupled electron transfer from a metal-hydride complex](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348599600012)

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Volume: 7

Page: 140-145

Accession number: WOS:000348599600012

Document Type:Article

[Deep-hole transfer leads to ultrafast charge migration in DNA hairpins](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800012)

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Volume: 8

Page: 1015-1021

Accession number: WOS:000389224800012

Document Type:Article

[Engineering nanometre-scale coherence in soft matter](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384413000014)

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Volume: 8

Page: 941-945

Accession number: WOS:000384413000014

Document Type:Article

[Modular synthesis of N-glycans and arrays for the hetero-ligand binding analysis of HIV antibodies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500012)

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Volume: 8

Page: 338-346

Accession number: WOS:000372505500012

Document Type:Article

[Efficient, non-toxic anion transport by synthetic carriers in cells and epithelia](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400008)

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Volume: 8

Page: 24-32

Accession number: WOS:000366675400008

Document Type:Article

[Catalytic enantioselective synthesis of indanes by a cation-directed 5-endo-trig cyclization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348599600017)

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Volume: 7

Page: 171-177

Accession number: WOS:000348599600017

Document Type:Article

[An aptamer-functionalized chemomechanically modulated biomolecule catch-and-release system](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900019)

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Volume: 7

Page: 447-454

Accession number: WOS:000353347900019

Document Type:Article

[Oxadiazole grafts in peptide macrocycles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700007)

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Volume: 8

Page: 1105-1111

Accession number: WOS:000389225700007

Document Type:Article

[A synthetic molecular system capable of mirror-image genetic replication and transcription](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400014)

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Volume: 8

Page: 698-704

Accession number: WOS:000378280400014

Document Type:Article

[Discovery of a regioselectivity switch in nitrating P450s guided by molecular dynamics simulations and Markov models](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374534100008)

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Volume: 8

Page: 419-425

Accession number: WOS:000374534100008

Document Type:Article

[Reprogramming the assembly of unmodified DNA with a small molecule](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500016)

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Volume: 8

Page: 368-376

Accession number: WOS:000372505500016

Document Type:Article

[Catching elusive glycosyl cations in a condensed phase with HF/SbF5 superacid](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200018)

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Volume: 8

Page: 186-191

Accession number: WOS:000369327200018

Document Type:Article

[Incorporation of well-dispersed sub-5-nm graphitic pencil nanodots into ordered mesoporous frameworks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369327200016)

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Volume: 8

Page: 171-178

Accession number: WOS:000369327200016

Document Type:Article

[Diverse sp(3) C-H functionalization through alcohol beta-sulfonyloxylation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200013)

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By: Xu, Yan; Yan, Guobing; Ren, Zhi; Dong, Guangbin

Volume: 7

Page: 829-834

Accession number: WOS:000361753200013

Document Type:Article

[Adsorption-induced auto-amplification of enantiomeric excess on an achiral surface](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800013)

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By: Yun, Yongju; Gellman, Andrew J.

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Accession number: WOS:000354799800013

Document Type:Article

[Supramolecular nesting of cyclic polymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200011)

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Volume: 7

Page: 317-322

Accession number: WOS:000351756200011

Document Type:Article

[Mechanically controlled quantum interference in individual pi-stacked dimers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700006)

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By: Frisenda, Riccardo; Janssen, Vera A. E. C.; Grozema, Ferdinand C.; van der Zant, Herre S. J.; Renaud, Nicolas

Volume: 8

Page: 1099-1104

Accession number: WOS:000389225700006

Document Type:Article

[A stable heavier group 14 analogue of vinylidene](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800013)

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By: Rit, Arnab; Campos, Jesus; Niu, Haoyu; Aldridge, Simon

Volume: 8

Page: 1022-1026

Accession number: WOS:000389224800013

Document Type:Article

[Oligomeric ferrocene rings](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700006)

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Volume: 8

Page: 825-830

Accession number: WOS:000384411700006

Document Type:Article

[Chemical amplification of magnetic field effects relevant to avian magnetoreception](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500018)

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Volume: 8

Page: 384-391

Accession number: WOS:000372505500018

Document Type:Article

[Extreme compressibility in LnFe(CN)(6) coordination framework materials via molecular gears and torsion springs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300016)

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Volume: 8

Page: 270-275

Accession number: WOS:000370824300016

Document Type:Article

[A threading receptor for polysaccharides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366675400014)

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Volume: 8

Page: 69-74

Accession number: WOS:000366675400014

Document Type:Article

[Structure of a PEGylated protein reveals a highly porous double-helical assembly](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200012)

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By: Cattani, Giada; Vogeley, Lutz; Crowley, Peter B.

Volume: 7

Page: 823-828

Accession number: WOS:000361753200012

Document Type:Article

[Enzymatic hydroxylation of an unactivated methylene C-H bond guided by molecular dynamics simulations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358529600011)

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By: Narayan, Alison R. H.; Jimenez-Oses, Gonzalo; Liu, Peng; Negretti, Solymar; Zhao, Wanxiang; et al.

Volume: 7

Page: 653-660

Accession number: WOS:000358529600011

Document Type:Article

[Stabilization of elusive silicon oxides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800011)

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Volume: 7

Page: 509-513

Accession number: WOS:000354799800011

Document Type:Article

[Freeze-thaw cycles as drivers of complex ribozyme assembly](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800010)

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By: Mutschler, Hannes; Wochner, Aniela; Holliger, Philipp

Volume: 7

Page: 502-508

Accession number: WOS:000354799800010

Document Type:Article

[Small-molecule control of protein function through Staudinger reduction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800014)

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By: Luo, Ji; Liu, Qingyang; Morihiro, Kunihiko; Deiters, Alexander

Volume: 8

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Accession number: WOS:000389224800014

Document Type:Article

[Peptide tessellation yields micrometre-scale collagen triple helices](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800011)

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By: Tanrikulu, I. Caglar; Forticaux, Audrey; Jin, Song; Raines, Ronald T.

Volume: 8

Page: 1008-1014

Accession number: WOS:000389224800011

Document Type:Article

[Catalyst design for natural-gas upgrading through oxybromination chemistry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300015)

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Volume: 8

Page: 803-809

Accession number: WOS:000380743300015

Document Type:Article

[Designed metalloprotein stabilizes a semiquinone radical](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500014)

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By: Ulas, Goezde; Lemmin, Thomas; Wu, Yibing; Gassner, George T.; DeGrado, William F.

Volume: 8

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Accession number: WOS:000372505500014

Document Type:Article

[Catalytic living ring-opening metathesis polymerization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360191800009)

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By: Nagarkar, Amit A.; Kilbinger, Andreas F. M.

Volume: 7

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Accession number: WOS:000360191800009

Document Type:Article

[Substrate control in stereoselective lanthionine biosynthesis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346409400013)

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By: Tang, Weixin; Jimenez-Oses, Gonzalo; Houk, K. N.; van der Donk, Wilfred A.

Volume: 7

Page: 57-64

Accession number: WOS:000346409400013

Document Type:Article

[Benzazetidine synthesis via palladium-catalysed intramolecular C-H amination](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700011)

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By: He, Gang; Lu, Gang; Guo, Zhengwei; Liu, Peng; Chen, Gong

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Page: 1131-1136

Accession number: WOS:000389225700011

Document Type:Article

[Click and chemically triggered declick reactions through reversible amine and thiol coupling via a conjugate acceptor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384413000018)

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Volume: 8

Page: 968-973

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Volume: 8

Page: 922-928

Accession number: WOS:000384413000010

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[Synthesis and stability of xenon oxides Xe2O5 and Xe3O2 under pressure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380743300012)

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Volume: 8

Page: 784-790

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Volume: 8

Page: 448-453

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Volume: 8

Page: 491-500

Accession number: WOS:000374534100018

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Volume: 7

Page: 744-751

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Document Type:Article

[An eight-step gram-scale synthesis of (-)-jiadifenolide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356805300014)

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Volume: 7

Page: 604-607

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Volume: 7

Page: 438-446

Accession number: WOS:000353347900018

Document Type:Article

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Volume: 7

Page: 255-262

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Volume: 7

Page: 153-159

Accession number: WOS:000348599600014

Document Type:Article

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Volume: 7

Page: 295-300

Accession number: WOS:000351756200008

Document Type:Article

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Volume: 8

Page: 1061-1066

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Volume: 8

Page: 760-767

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Volume: 8

Page: 603-609

Accession number: WOS:000376529000018

Document Type:Article

[Controlling activity and selectivity using water in the Au-catalysed preferential oxidation of CO in H-2](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376529000015)

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Volume: 8

Page: 585-590

Accession number: WOS:000376529000015

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[An antibacterial vaccination strategy based on a glycoconjugate containing the core lipopolysaccharide tetrasaccharide Hep(2)Kdo(2)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370824300012)

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Volume: 8

Page: 242-249

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[Quantitative self-assembly of a purely organic three-dimensional catenane in water](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200014)

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Volume: 7

Page: 1003-1008

Accession number: WOS:000365279200014

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[Monitoring one-electron photo-oxidation of guanine in DNA crystals using ultrafast infrared spectroscopy](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200009)

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Volume: 7

Page: 961-967

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Document Type:Article

[Cage connectivity and frontier pi orbitals govern the relative stability of charged fullerene isomers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600015)

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Volume: 7

Page: 927-934

Accession number: WOS:000363468600015

Document Type:Article

[An oxazetidine amino acid for chemical protein synthesis by rapid, serine-forming ligations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358529600013)

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Volume: 7

Page: 668-672

Accession number: WOS:000358529600013

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[Through-space transfer of chiral information mediated by a plasmonic nanomaterial](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356805300012)

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Volume: 7

Page: 591-596

Accession number: WOS:000356805300012

Document Type:Article

[An infinite chainmail of M6L6 metallacycles featuring multiple Borromean links](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354799800014)

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Volume: 7

Page: 526-531

Accession number: WOS:000354799800014

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[Pseudopterosin synthesis from a chiral cross-conjugated hydrocarbon through a series of cycloadditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346409400016)

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Volume: 7

Page: 82-86

Accession number: WOS:000346409400016

Document Type:Article

[Wide-dynamic-range kinetic investigations of deep proton tunnelling in proteins](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700014)

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Volume: 8

Page: 874-880

Accession number: WOS:000384411700014

Document Type:Article

[Expanding the amino acid repertoire of ribosomal polypeptide synthesis via the artificial division of codon boxes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500009)

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Volume: 8

Page: 317-325

Accession number: WOS:000372505500009

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[Efficient green methanol synthesis from glycerol](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200018)

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Volume: 7

Page: 1028-1032

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[Molecular hydrogen interacts more strongly when rotationally excited at low temperatures leading to faster reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600014)

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Page: 921-926

Accession number: WOS:000363468600014

Document Type:Article

[A cascade reaction network mimicking the basic functional steps of adaptive immune response](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200015)

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Volume: 7

Page: 836-842

Accession number: WOS:000361753200015

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[How do metal ions direct ribozyme folding?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361753200008)

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Volume: 7

Page: 793-801

Accession number: WOS:000361753200008

Document Type:Article

[Asymmetric assembly of aldose carbohydrates from formaldehyde and glycolaldehyde by tandem biocatalytic aldol reactions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360191800010)

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Volume: 7

Page: 724-729

Accession number: WOS:000360191800010

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[Significantly shorter Fe-S bond in cytochrome P450-I is consistent with greater reactivity relative to chloroperoxidase](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360191800006)

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Volume: 7

Page: 696-702

Accession number: WOS:000360191800006

Document Type:Article

[Diels-Alderase-free, bis-pericyclic, [4+2] dimerization in the biosynthesis of (+/-)-paracaseolide A](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358529600009)

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Accession number: WOS:000358529600009

Document Type:Article

[Atropselective syntheses of (-) and (+) rugulotrosin A utilizing point-to-axial chirality transfer](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700013)

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Volume: 7

Page: 234-240

Accession number: WOS:000350115700013

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[Coulomb explosion during the early stages of the reaction of alkali metals with water](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350115700015)

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Page: 250-254

Accession number: WOS:000350115700015

Document Type:Article

[Quantum dynamical resonances in low-energy CO(j=0) + He inelastic collisions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351756200016)

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[A protonation-coupled feedback mechanism controls the signalling process in bathy phytochromes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900016)

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Volume: 7

Page: 423-430

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Document Type:Article

[Creating complex molecular topologies by configuring DNA four-way junctions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384413000008)

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Page: 907-914

Accession number: WOS:000384413000008

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[Cell-sized asymmetric lipid vesicles facilitate the investigation of asymmetric membranes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384411700016)

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Volume: 8

Page: 881-889

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[Interface control by chemical and dimensional matching in an oxide heterostructure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372505500013)

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Volume: 8

Page: 347-353

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[Reconstitution of [Fe]-hydrogenase using model complexes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365279200013)

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Volume: 7

Page: 995-1002

Accession number: WOS:000365279200013

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[Rhodium-catalysed asymmetric allylic arylation of racemic halides with arylboronic acids](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363468600016)

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Accession number: WOS:000363468600016

Document Type:Article

[Use of a biosynthetic intermediate to explore the chemical diversity of pseudo-natural fungal polyketides](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360191800012)

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Page: 737-743

Accession number: WOS:000360191800012

Document Type:Article

[Chemoselective conversion of biologically sourced polyols into chiral synthons](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356805300010)

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Volume: 7

Page: 576-581

Accession number: WOS:000356805300010

Document Type:Article

[A protein-targeting strategy used to develop a selective inhibitor of the E17K point mutation in the PH domain of Akt1](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353347900020)

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By: Deyle, Kaycie M.; Farrow, Blake; Hee, Ying Qiao; Work, Jeremy; Wong, Michelle; et al.

Volume: 7

Page: 455-462

Accession number: WOS:000353347900020

Document Type:Article

[Translational, rotational and vibrational relaxation dynamics of a solute molecule in a non-interacting solvent](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389224800016)

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Volume: 8

Page: 1042-1046

Accession number: WOS:000389224800016

Document Type:Article

[Direct observation of subpicosecond vibrational dynamics in photoexcited myoglobin](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389225700012)

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Accession number: WOS:000389225700012

Document Type:Article

[A motif for reversible nitric oxide interactions in metalloenzymes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378280400009)

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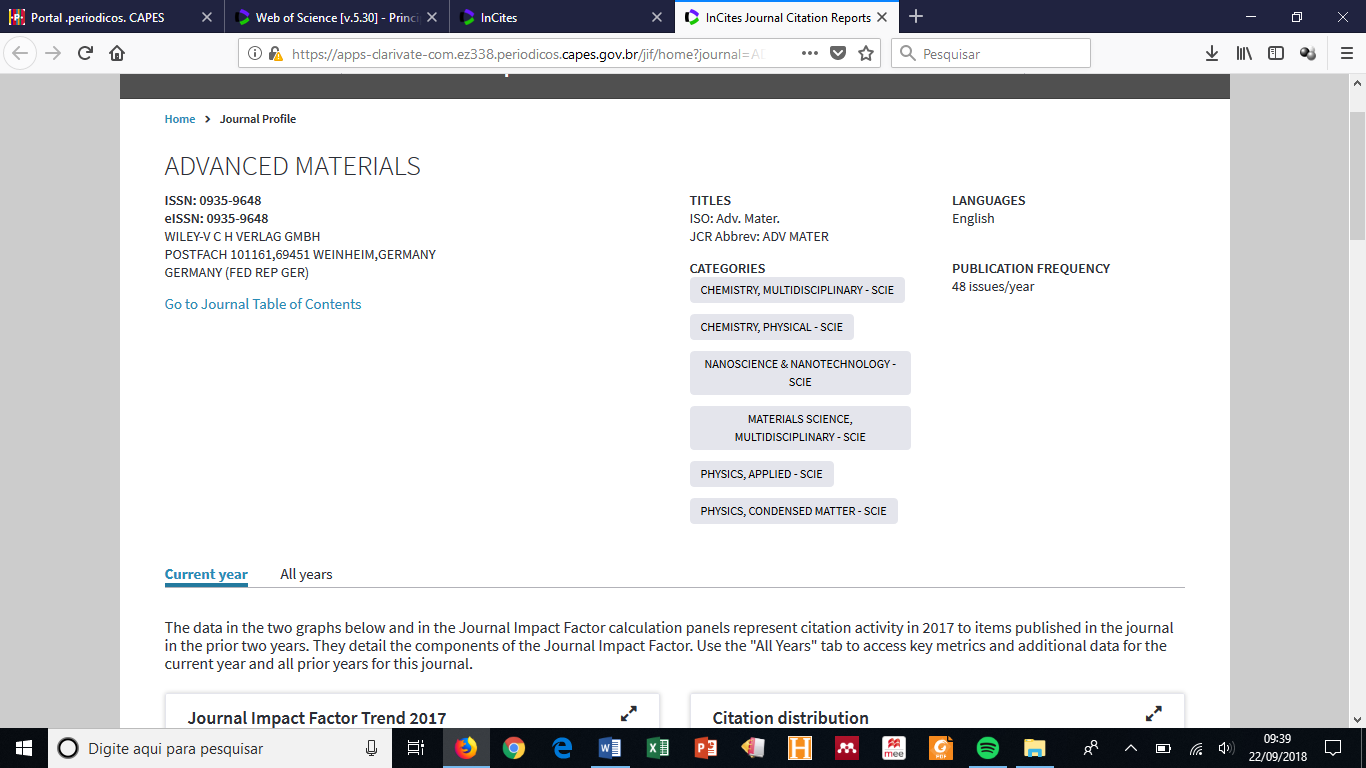
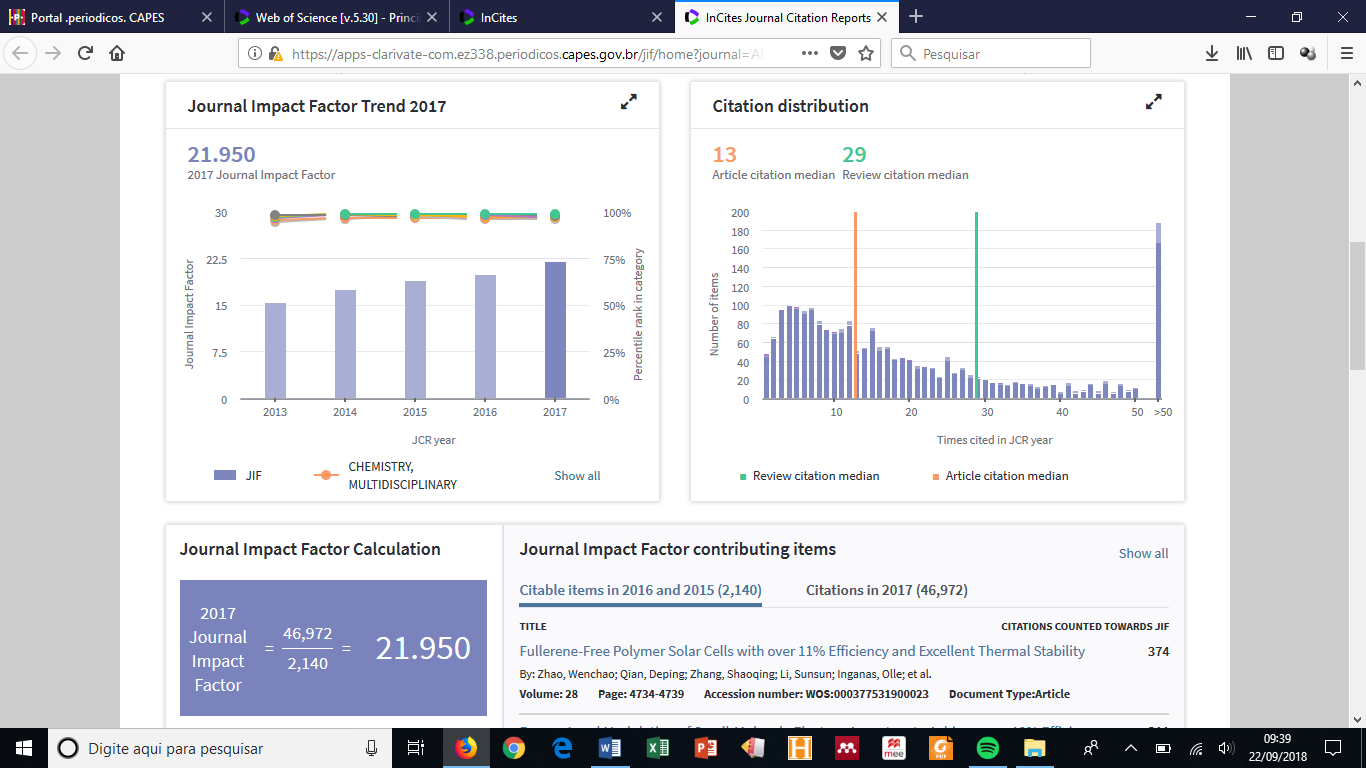
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1. [Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000362521100007)

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