

Communications Chemistry

Communications Chemistry is a peer-reviewed, open access, scientific journal in the field chemistry published by Nature Portfolio since 2018. The chief editor is Victoria Richards.^[1] Communications Chemistry was created as a sub-journal to Nature Communications along with Communications Biology and Communications Physics.^[2]

Abstracting and indexing

The journal is abstracted and indexed in:^[3]

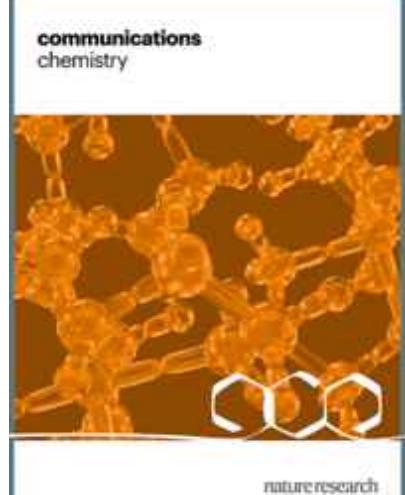
- Chemical Abstracts Service (CAS)
- Current Contents/Physical, Chemical and Earth Sciences
- Journal Citation Reports/Science Edition
- Science Citation Index
- Scopus

According to the *Journal Citation Reports*, the journal has a 2021 impact factor of 7.211, ranking it 43rd out of 179 journals in the category "Chemistry, Multidisciplinary".^[4]

See also

- Nature
- Nature Communications

Communications Chemistry

	Discipline	Chemistry
	Language	English
	Edited by	Victoria Richards
Publication details		
	History	2018–present
	Publisher	Nature Portfolio
	Frequency	continuous, upon acceptance
	Open access	Yes
	License	Creative Commons Attribution
	Impact factor	7.211 (2021)
Standard abbreviations		
	ISO 4	Commun. Chem.
Indexing		
	CODEN	CCOHCT (https://cas.org/searching.jsp?searchIn=coden&exactMatch=y&c=Wly460-R_DY&searchFor=CCOHCT)
	ISSN	2399-3669 (https://www.worldcat.org/sea)

- [Scientific Reports](#)

References

1. "Editors" (<https://www.nature.com/commschem/editors>). *Communications Chemistry*. Nature Publishing Group. Retrieved 2022-05-25.
2. "Introducing Communications Biology" (<https://www.nature.com/articles/s42003-017-0012-4>). *Communications Biology*. 1. 2018. Retrieved 2022-05-24.
3. "Journal Information" (<https://www.nature.com/commschem/journal-information>). *Communications Chemistry*. Nature Publishing Group. Retrieved 2022-05-25.
4. "Journals Ranked by Impact: Chemistry, Multidisciplinary". *2021 Journal Citation Reports*. Web of Science (Science ed.). Clarivate. 2022.

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2:2399-3669\)](#)

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- [Online archive \(http://www.nature.com/commschem/archive/date.html\)](#)

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- [Official website \(http://www.nature.com/commschem/index.html\)](#)

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Journal's Impact IF

2022-2023

12.256

↗ 251.4%



Journal's Impact IF Trend



Journal's Impact Ranking

npj Computational Materials

Journal's Impact Ranking

Category	Quartile	Rank	Percentile
Computer Science - Computer Science Applications	-Q1	-20/747	-97%
Engineering - Mechanics of Materials	-Q1	-11/384	-97%
Materials Science - General Materials Science	-Q1	-35/455	-92%
Mathematics - Modeling and Simulation	-Q1	-4/303	-98%

Key Factor Analysis



Top IF Gainers

Category	%
Mathematics - Modeling and Simulation	
Mathematical Biosciences	+83.535%
Real-Time Systems	+47.198%
International Journal of Robotics Research	+46.438%
Category	%
Computer Science - Computer Science Applications	
Computational Linguistics	+242.492%
Information Technology and Tourism	+148.795%
Journal of Environmental Informatics	+93.891%

Engineering - Mechanics of Materials	%
Nanoscale and Microscale Thermophysical Engineering	+112.145%
Facta Universitatis, Series: Mechanical Engineering	+39.049%
Journal of Building Engineering	+34.336%
Materials Science - General Materials Science	%
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Annual Review of Condensed Matter Physics	+48.848%
Dissertationen zur Materialwissenschaften	+47.640%

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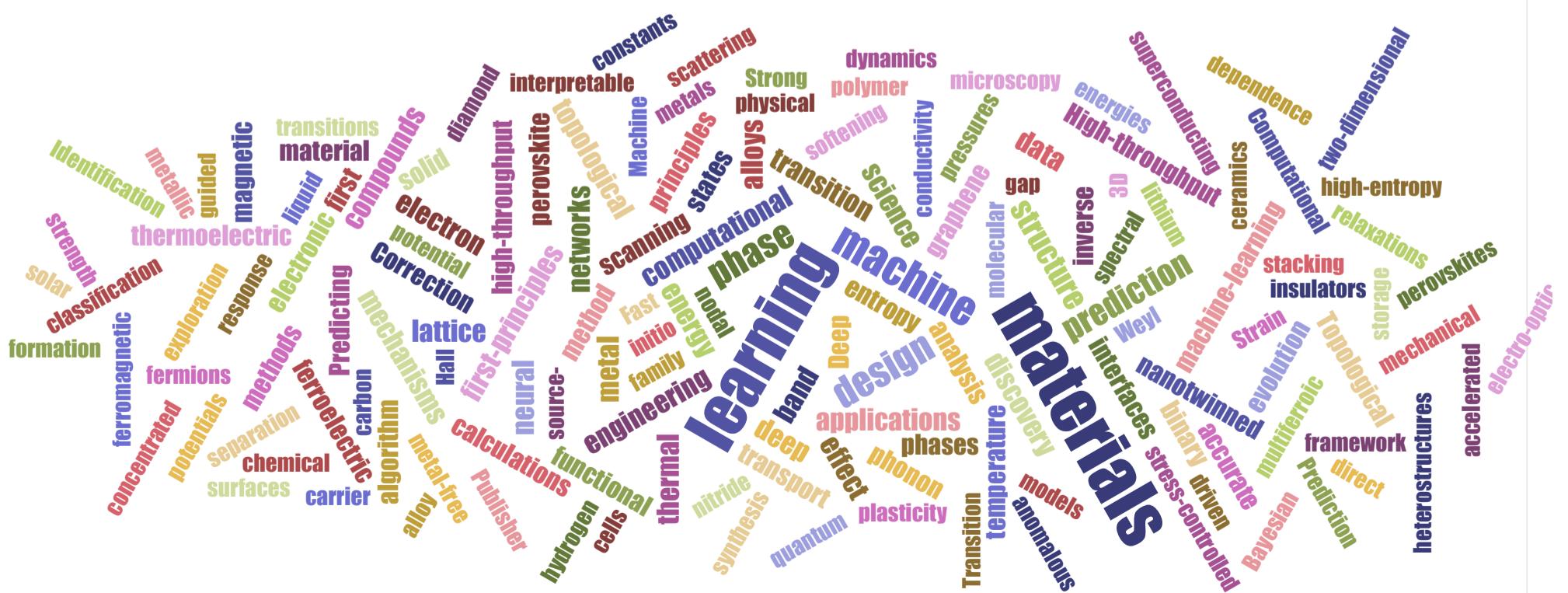
Publication Title	Author Listing
3D non-isothermal phase-field simulation of microstructure evolution during selective laser sintering	Yangyiwei Yang · Olav Ragnvaldsen · Yang Bai · Min Yi · Bai-Xiang Xu
A comparative study using state-of-the-art electronic structure theories on solid hydrogen phases under high pressures	Ke Liao · Xin-Zheng Li · Ali Alavi · Andreas Grüneis
A new carbon phase with direct bandgap and high carrier mobility as electron transport material for perovskite solar cells	Ping-Ping Sun · Lichun Bai · Devesh R. Kripalani · Kun Zhou
A review of oxygen reduction mechanisms for metal-free carbon-based electrocatalysts	Ruguang Ma · Gaoxin Lin · Yao Zhou · Qian Liu · Tao Zhang · Guangcun Shan · Minghui Yang · Jiacheng Wang
Absolute band alignment at semiconductor-water interfaces using explicit and implicit descriptions for liquid water	Nicolas G. Hörmann · Zhendong Guo · Francesco Ambrosio · Oliviero Andreussi · Alfredo Pasquarello · Nicola Marzari
Publication Title	Author Listing

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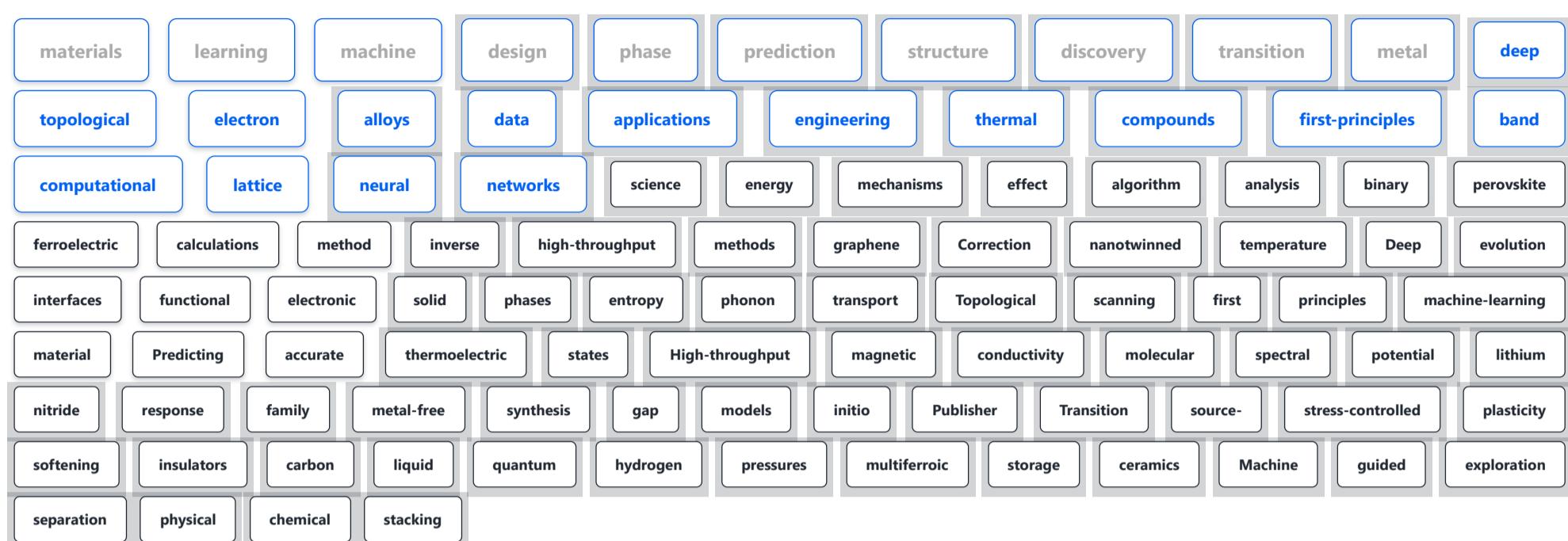
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High Impact Research Keywords



[Journal Research Scope](#)**npj Computational Materials**

Research Scope



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Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing		Journal of Alloys and Compounds	International Journal of Mechanical Sciences	
Journal of Informetrics	Solar Energy	More Related Journals		

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— *npj Computational Materials Journal's Impact IF*



Highest IF
12.256



Key Factor Analysis



Lowest IF
2.105



Key Factor Analysis

Total Growth Rate
↗ 482.2%



Key Factor Analysis



Annual Growth Rate
↗ 80.4%



Key Factor Analysis

Journal's Impact IF History



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Journal's Impact IF Trend

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Search:

Year	Journal's Impact IF
2023-2024	Check our Real-Time IF and IF Prediction Results
2021-2022	12.256
2020-2021	3.488
2019-2020	3.440
2018-2019	3.462
Year	Journal's Impact IF

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Key Factor Analysis



npj Computational Materials

Journal Key Metrics

Journal Title	npj Computational Materials
ISSN	-
ISSN (Online)	2057-3960
Publisher	Nature Publishing Group
Publication Frequency	Unknown
Coverage	2015 - Present
Open Access	YES
Language	English

Highest Journal's Impact IF (2011 - 2023)

12.256

Lowest Journal's Impact IF (2011 - 2023)	2.105
Total Journal's Impact IF Growth Rate (2011 - 2023)	482.2%
Average Journal's Impact IF Growth Rate (2011 - 2023)	80.4%
Annual Journal's Impact IF Growth Rate (2022 - 2023)	251.4 %
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Homepage	https://www.nature.com/npjcompumats/
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ISSN

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ISSN (Online)

2057-3960

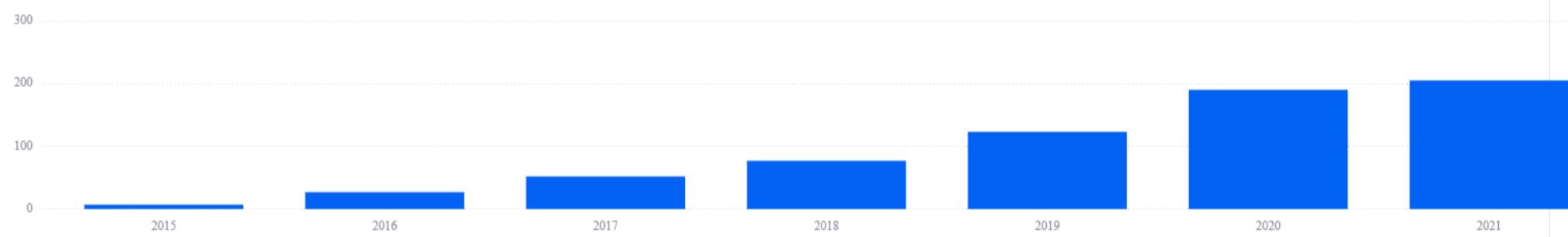
[Key Factor Analysis](#)[Key Factor Analysis](#)**Publisher**

Nature Publishing Group

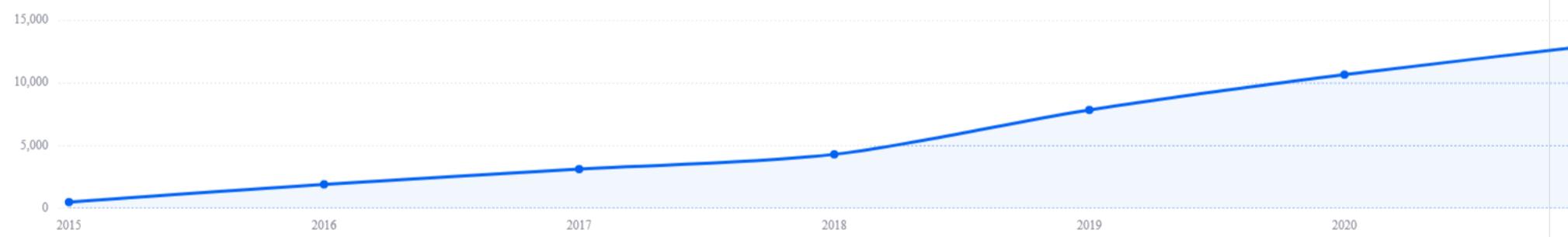
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Publication Frequency		Coverage	
Unknown		2015 - Present	
Key Factor Analysis	>	Key Factor Analysis	>
Open Access		Publication Fees	
YES		Review	
Key Factor Analysis	>	Key Factor Analysis	>
Language		Country/Region	
English		United Kingdom	
Key Factor Analysis	>	Key Factor Analysis	>
Total Publications		Total References	
681		41432	

Annual Publication Volume

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Annual References Record

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Publications References Dataset

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Year	Publications	References	
2021	205	13046	
2020	190	10665	
2019	123	7851	
2018	77	4311	
2017	52	3133	
Year	Publications	References	

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Key Factor Analysis >

Scientific Writing Keywords

Gain Tuning	Spectrometry Technology	Good Match	Tgf B Pathways	Spin Glass Magnetism	Regional Dialects	Repairing Intestinal	Patients 50
Maxillofacial Pathology	Nonlinear Building	3 Codoped	Diet Di	Delta 6	Polymers Blend	Publica Sobre	Peri Urban Area
Colubrina Glandulosa	Interferometric Array	Multidimensional Urban	Hydrous Pyrolysis	Long Survival	Otn Technology	Coding Deficits	Second Extracellular
Intracranial Tumour	European Container	Article Molecular	Medical Reviews	Working Surface	Across Surgical	Tuberculosis Di	Ultra Selective
Engraftment Ability	Cell Biomass	Envi Met Model	Transfer Layers	Alderney Race	Hydrolysis Time	Reprogram Macrophages	Swedish Forestry
Manganese Telluride	Ftir Spectra	Shared Care	Landscape Restoration	Jaw Tracking	Base Tumor	Hospitalized Cancer	Information Considered
Veterinary Healthcare	Increases Axonal	Development Professionals	Residues Produced	Delays Flowering	Splitting Tension	Pleurotus Sp	Persistent Obstructive
Canine Transitional	Arte Retos	Groundwater Sources	De Jambe	Compact Scheme	Individual Outcomes	Indigenous Local	Gallium Doping
Ester Composite	P38 Mapk Pathway	Pulsed Magnet	Ceramic Support	Moeloek Provinsi	Pin Fin Arrays	Electrical Vehicular	Aceh Cattle
Attributes Yield	Threonyl Trna Synthetase	De Escuelas	Streptococcal Infection	Major Energy	Current Bibliography	Und Erkrankungen	Micro Wind
Improving Car	Therapist Education	Sheared Disordered	Conductivity Analysis	Intrinsic Low	Resistive Fechral	Congenital Immunodeficiency	Urban Treated
Cutaneous Lymphadenoma	Tissue Ingrowth	Care Compliance	Ultrafine Grained Materials	Von Karman	Substitution Mutation	Pertumbuhan Anak	Preventive Child
Cxcr1 2 Promotes	Acids Derived	Functional Deterioration	Systems Interact	Brain Cells	Service Orientation	Jornaleros Agricolas	Assessing General
Monitor Sleep	Fuzzy Analytical	Zonal Transect	Filtering Rules	Da Tuberclose	Subsidies Improve	Growth Technique	Primary Molar
Fractional Excretion	Fractal Characterization	Decarboxylative Acylation	Pediatric Emergency	Wider View	Low Cost Route	Morphokinetic Analysis	
Blanching Pre Treatment	Polymeric Additives	Petite Enfance	Mindfulness Help	First Line Daratumumab	Oil Steam	Urothelial Cells	Electronic Commerce
Investigating Infection	Herbivorous Insects	Feature Generating	Directivo En	Without Gas	Virus Core	Uninterrupted Dabigatran	International Clone
Dan Indonesia	Ancient Fish	Positive Operator	Electro Optical Tracking	Venous Stasis	Large Idiopathic	Undergraduate Learning	Gender Policy
Evaluate Large Scale	Gnss Pvw	Modern Mind	Natural Wetlands	Ulvan Lyase	One Humped Camel	Atmospheric Regional	Brain Waves
Prior Endocrine	Information Literacy	Pressure Flowmeters	Gastrointestinal Delivery	Type Bacterial	T4 Dna	Improved Clustering	Subtotal Esophagectomy
Optimal Velocity	Skills Acquired	Museum Exhibition	Paediatric Radiology	Middle Roman	Catalytic Synergy	Matrix Stabilization	Goods Game
Barrier Resistance	Parkinsonian Disorder	Modern Research	Vibrational Polariton	Von 32	Green Resilience	Human Aldehyde	Chloride Microplastics
Seismic Hazard	Tobacco Growing	Pedicle Screw	Steel 300	Local Null	Quality Characteristic	Canadian Philosophy	Field Slug
Structure Similarity	Spacecraft Systems	Artemisinin Biosynthesis	Expressed Mirnas	Lensing Cluster	Winnaar Van	Laser Microdissection	Uncertain Fractional Order
Al Furqon Dryorejo	Preload Dependent	Still Needed	Plasma Inflammatory	Experiments Methods	Unknown Post Change	Fibrilhacao Auricular	Seed Biopriming
Pidana Penyebaran	Optimal Paths	Non Obstetric Ultrasound	Novel Edge	Nonampullary Duodenal	Grant Review	Single Step Genome	Diets Rich
Medical Symptoms	Leukocyte Adherence	Ground Effects	Riverine Dissolved	Son Sinf	Review Oral	Technology Competition	Mid Ocean Ridges
Generation Spectra	Kola Region	Gel Implantation	Post World	Deletion Carrier	Uk Results	Symptom Management	Current Environment
Aids Relief	Cervical Approach	Rims Around	Similitudes Entre	Range Method	Detect Regional	Nano Zerovalent Iron	Preoperative Tests
British Africa	Early Infectious	B Spline Smoothing	Healing Rituals	Ductal Adenocarcinomas	Australian Metropolitan	Mode Structure	Uranium Sorption
Soluble Groups	De Recem Nascidos	Low Temperature Water Gas	Povijesni Razvoj	Early Circulation	Functionally Adaptable	Confers Clinical	
Intracavitary Electrocardiography	Motion Cues	Nonlinear Third Order	Main Outcomes	De Libidibia	Antonio Maria	Health Applications	Carbofuran Affects
Qatar Community	Powtoon Pada	Cropping Season	Gene Block	Mit Epilepsie	Medical Symptoms	Pin 3d	Novel Aminopeptidase
Cultured Human	Photosensitive Schottky	Neonatal Abstinence	Japanese Childrens	Duct Adenoma	Trypanosoma Vivax	Medicinal Mushrooms	Arterial Bifurcations
Real Time Strain	Imprinted Dna	Predict Stone	Grid Connected Distributed	De Resolucao	Enseñar Ciencias	Rollover Prevention	Wellbeing Perspective
Core Support	Pathway Crosstalk	Phase Inversion	Scientific Congress	Information Literacy			

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Journal's Impact IF Trend



Journal's Impact Ranking

Applied Artificial Intelligence

Journal's Impact Ranking

Category	Quartile	Rank	Percentile
Computer Science - Artificial Intelligence	-Q3	-151/269	-44%

Key Factor Analysis

Top IF Gainers

Computer Science - Artificial Intelligence

Journal	%
ACM Transactions on Intelligent Systems and Technology	+125.376%
IEEE Intelligent Systems	+98.062%
Machine Learning	+84.15%

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High Impact Research Articles

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Publication Title	Author Listing
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A Generalized and Parallelized SSIM-Based Multilevel Thresholding Algorithm	Ikram Boubechal · Rachid Seghir · Redha Benzid
A Hybrid Intelligent Multiagent System for the Remote Cont	C. Romero-Ternero · F. Sivianes · Alejandro Carrasco · Jorge
Publication Title	

Publication Title	Author Listing
A K-Means-Galactic Swarm Optimization-Based Clustering Algorithm with Otsu's Entropy for Brain Tumor Detection	Satyasai Jagannath Nanda · Ishank Gulati · Rajat Chauhan · Rahul Modi · Uttam Dhaked
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High Impact Research Keywords

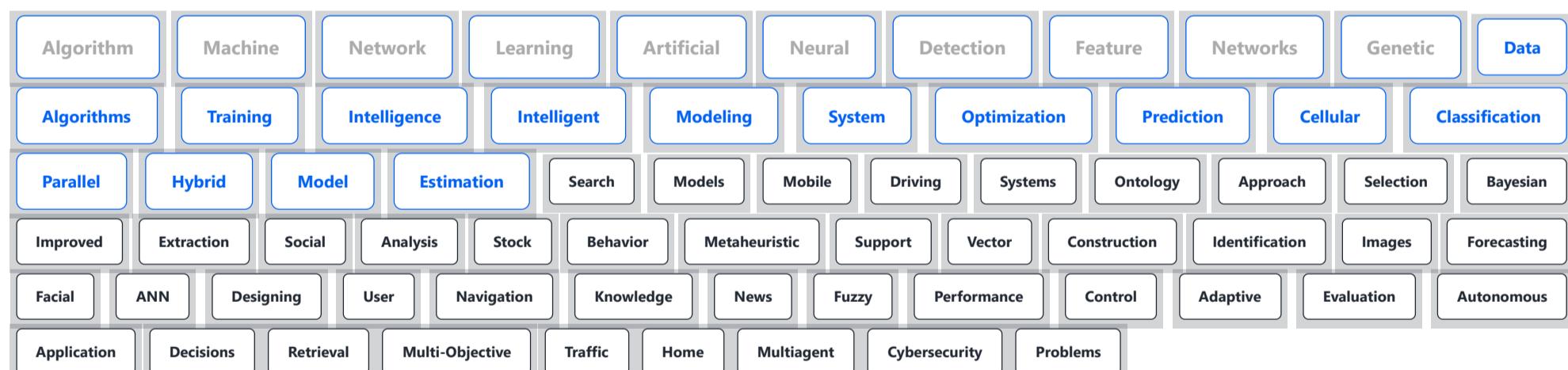


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Neural Networks	Expert Systems with Applications	Neural Computing and Applications		Integrated Computer-Aided Engineering	International Journal of Robotics Research	
IEEE Transactions on Cognitive Communications and Networking		Neurocomputing	International Journal of Fuzzy Systems	Artificial Intelligence in Medicine		
Fuzzy Optimization and Decision Making	Journal of Intelligent Manufacturing	Engineering Applications of Artificial Intelligence		Journal of Memory and Language		
Advanced Engineering Informatics	International Journal of Machine Learning and Cybernetics	IEEE Robotics and Automation Letters	Autonomous Robots	Journal of Machine Learning Research		
IEEE Transactions on Human-Machine Systems	Applied Intelligence	Fuzzy Sets and Systems	Pattern Recognition Letters	IEEE Intelligent Systems	Cognitive Psychology	
Knowledge and Information Systems	Neural Processing Letters	Digital Signal Processing: A Review Journal	Design Studies	International Journal of Approximate Reasoning		
Machine Learning	ACM Transactions on Intelligent Systems and Technology	IEEE Transactions on Cognitive and Developmental Systems	Frontiers in Neurorobotics	Swarm Intelligence		
Topics in Cognitive Science	Computational Linguistics	Journal of Artificial Intelligence Research	Networks and Spatial Economics	Journal of Parallel and Distributed Computing		
Iranian Journal of Fuzzy Systems	Journal of Intelligent and Robotic Systems: Theory and Applications			Cognitive Science	Journal of Experimental and Theoretical Artificial Intelligence	
Science Robotics	IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI / PAMI)			Physics of Life Reviews	International Journal of Intelligent Systems	
Minds and Machines	Journal of Intelligent and Fuzzy Systems	Journal of Intelligent Information Systems	Multidimensional Systems and Signal Processing	Journal of Scheduling		
Journal of the ACM	Transactions on Interactive Intelligent Systems	AI Magazine	IEEE Transactions on Computational Intelligence and AI in Games	Journal of Heuristics		
Intelligent Service Robotics	Expert Systems	i-Perception	Pattern Analysis and Applications	International Journal of Advanced Robotic Systems	Natural Language Engineering	
Cybernetics and Systems	Journal of Automated Reasoning	International Journal of Humanoid Robotics	Bulletin of the Polish Academy of Sciences: Technical Sciences			
International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems		International Journal of Pattern Recognition and Artificial Intelligence		Journal of Pragmatics		
Autonomous Agents and Multi-Agent Systems	Intelligent Automation and Soft Computing	Knowledge Engineering Review	Perception	Journal of Semantics	Computational Intelligence	
Artificial Life	Constraints	Microprocessors and Microsystems	Parallel Computing	Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM		
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International Journal of Software Engineering and Knowledge Engineering			More Related Journals			

Applied Artificial Intelligence

The 2022-2023 Journal's Impact IF of **Applied Artificial Intelligence** is **2.777**, which is just updated in 2023.

— Applied Artificial Intelligence Journal's Impact IF



Highest IF

2.777



Key Factor Analysis



Total Growth Rate

↗ 484.6%



Key Factor Analysis



Journal's Impact IF History



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Applied Artificial Intelligence

Journal's Impact IF Trend

Search:

Year	Journal's Impact IF
2023-2024	Check our Real-Time IF and IF Prediction Results
2021-2022	2.777
2020-2021	1.58
2019-2020	1.172
2018-2019	0.988
Year	Journal's Impact IF

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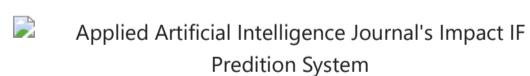
Applied Artificial Intelligence

Journal Key Metrics

Journal Title	Applied Artificial Intelligence
ISSN	0883-9514
ISSN (Online)	1087-6545
Publisher	Taylor and Francis Ltd.
Publication Frequency	Monthly
Coverage	1987 - Present
Open Access	NO
Language	English
Highest Journal's Impact IF (2011 - 2023)	2.777
Lowest Journal's Impact IF (2011 - 2023)	0.402
Total Journal's Impact IF Growth Rate (2011 - 2023)	484.6%
Average Journal's Impact IF Growth Rate (2011 - 2023)	48.5%
Annual Journal's Impact IF Growth Rate (2022 - 2023)	75.8 %
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Homepage	https://www.tandfonline.com/toc/uaai20/current
Submit Manuscript	https://www.editorialmanager.com/uaai/default.aspx
Wikipedia	http://en.wikipedia.org/wiki/Applied_Artificial_Intelligence

Applied Artificial Intelligence

Journal's Impact IF 2023-2024 Prediction



Applied Artificial Intelligence Journal's Impact IF
Prediction System

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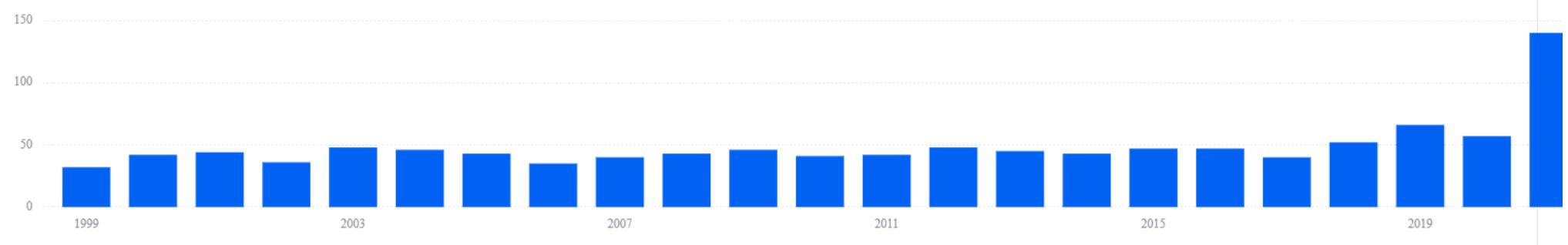
About

Applied Artificial Intelligence addresses concerns in applied research and applications of artificial intelligence (AI). The journal also acts as a medium for exchanging ideas and thoughts about impacts of AI research. Articles highlight advances in uses of AI systems for solving tasks in management, industry, engineering, administration, and education; evaluations of existing AI systems and tools, emphasizing comparative studies and user experiences; and the economic, social, and cultural impacts of AI. Papers on key applications, highlighting methods, time schedules, person-months needed, and other relevant material are welcome. Applied Artificial Intelligence is a peer-reviewed scientific journal covering applications of artificial intelligence in management, industry, engineering, administration, and education, as well as evaluations of existing AI systems and tools and their economic, social, and cultural impact.

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Key Factor Analysis	
Publication Frequency Monthly	Coverage 1987 - Present
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Key Factor Analysis	Key Factor Analysis
Language English	Country/Region United Kingdom
Key Factor Analysis	Key Factor Analysis
Total Publications 1123	Total References 36755

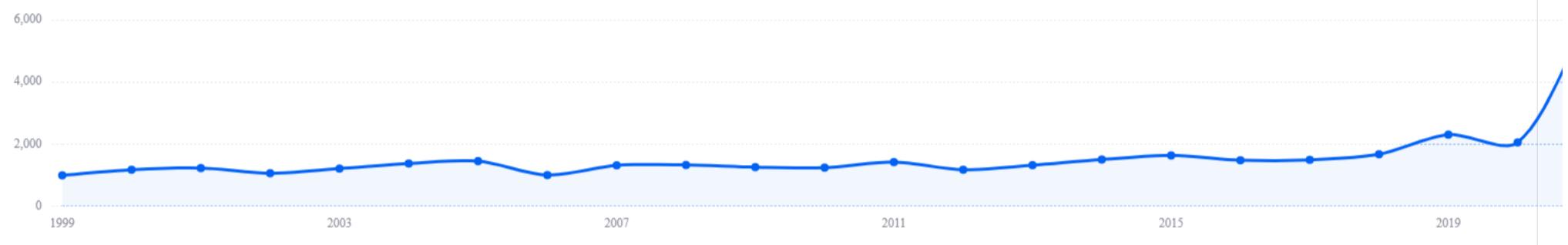
Annual Publication Volume

Applied Artificial Intelligence



Annual References Record

Applied Artificial Intelligence



Publications References Dataset

Applied Artificial Intelligence

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Search:

Year	Publications	References
2021	140	5931
2020	57	2059
2019	66	2309
2018	52	1678
2017	40	1499
Year	Publications	References

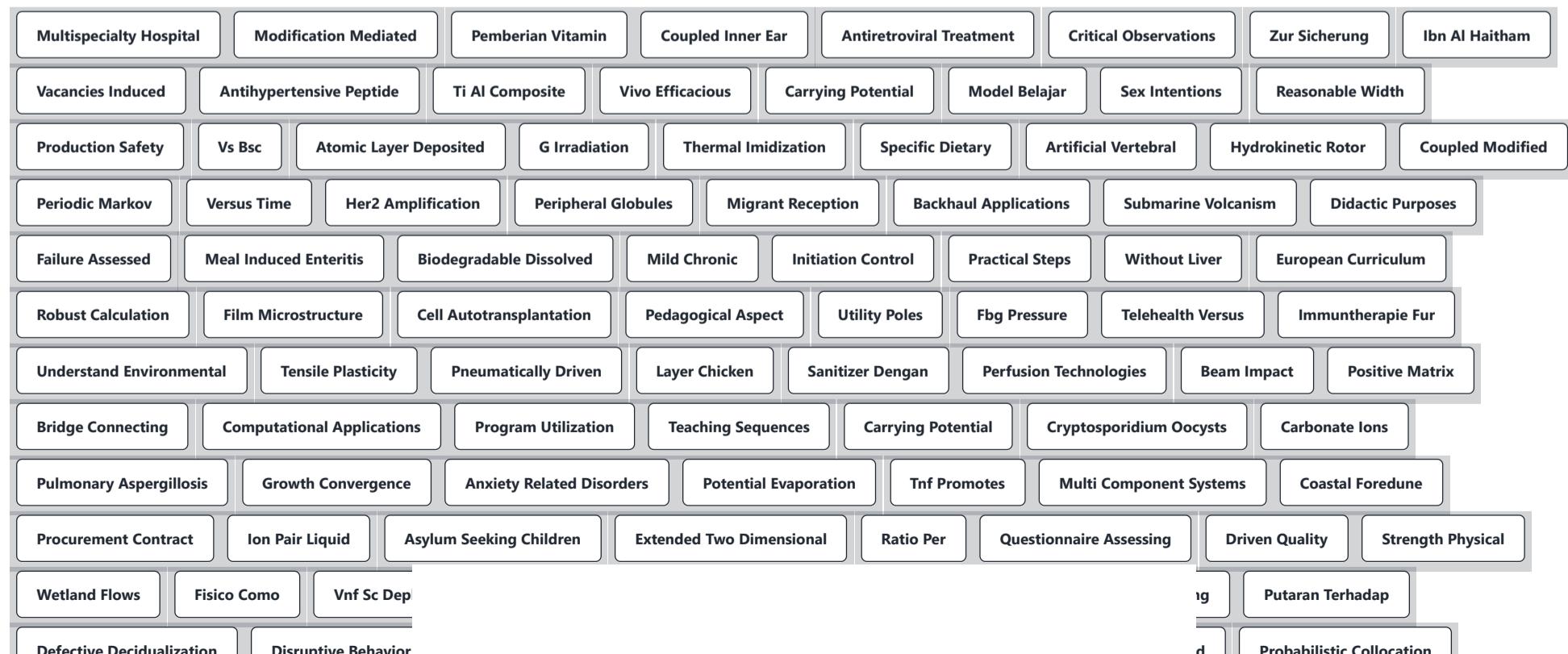
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Key Factor Analysis

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Scientific Writing Keywords



Appropriateness Ratings	Mixed Urinary	Laparoscopy Assisted Distal	Varying Control	Nitrate Removal	Endometriosis Without	Berorganisasi Pada	Si Doped Hfo2	
Mortalitas Pediculus	Northern Italian	Methods Pilot	Critical Analyzing	Promising Nutritional	2 Deficient Mice	Dengan Perencanaan	Molecular Field	
Danube Region	Developmental Angiogenesis	Dimensional Finite	Anemia Syndrome	Steel Considering	Spectroscopic Reflectometry	Flash Memories		
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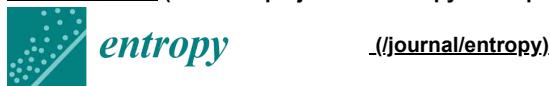
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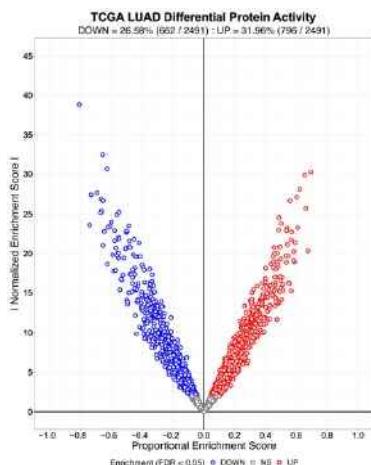
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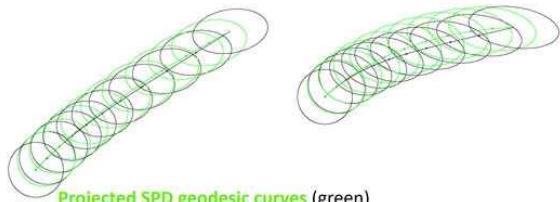
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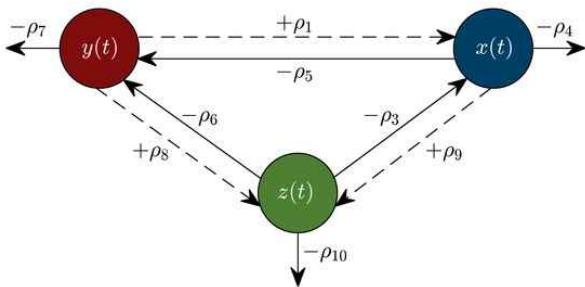
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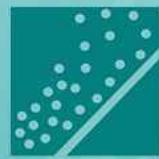
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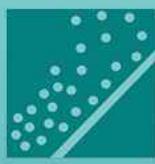


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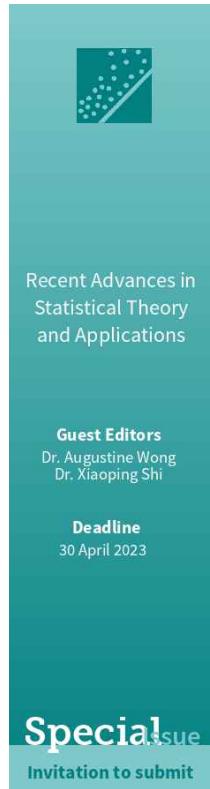
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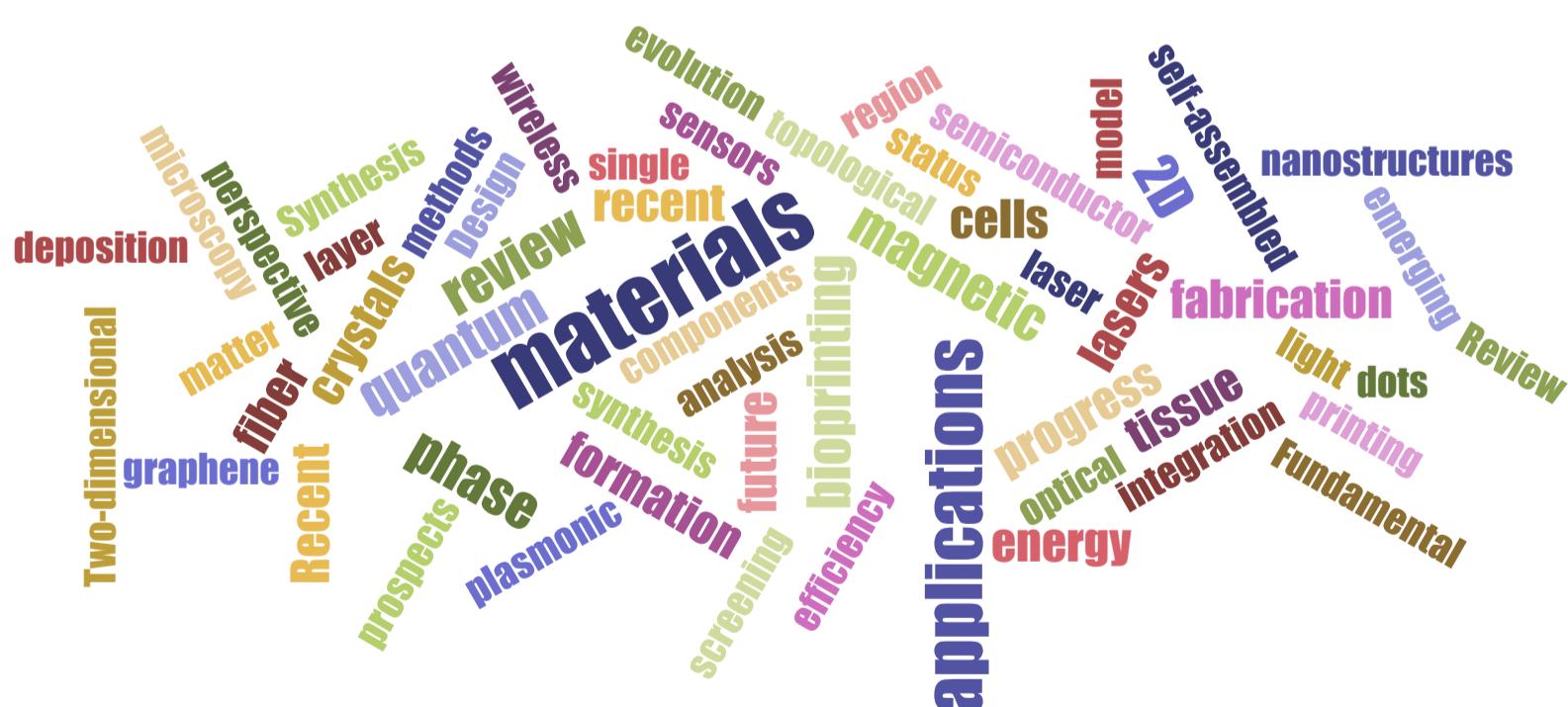
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ISSN (Online)	1931-9401
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Coverage	2014 - Present
Open Access	YES
Language	English
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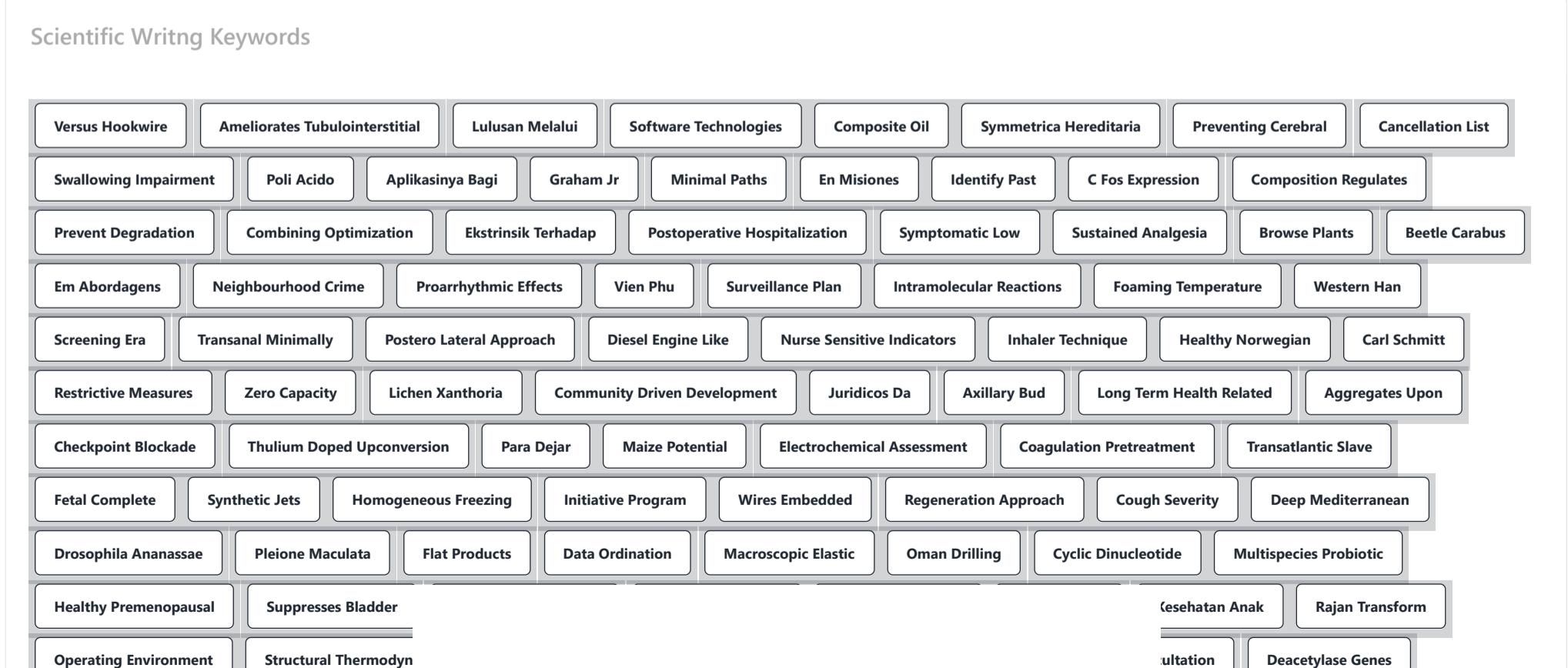
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Key Factor Analysis



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Highest IF
2.745

Key Factor Analysis



Lowest IF
2.209

Key Factor Analysis



Total Growth Rate
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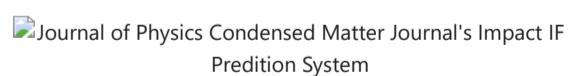
Journal of Physics Condensed Matter

Journal Key Metrics

Journal Title	Journal of Physics Condensed Matter
ISSN	0953-8984
ISSN (Online)	1361-648X
Publisher	IOP Publishing Ltd.
Publication Frequency	Weekly
Coverage	1989 - Present
Open Access	NO
Language	English
Highest Journal's Impact IF (2011 - 2023)	2.745
Lowest Journal's Impact IF (2011 - 2023)	2.209
Total Journal's Impact IF Growth Rate (2011 - 2023)	16.6%
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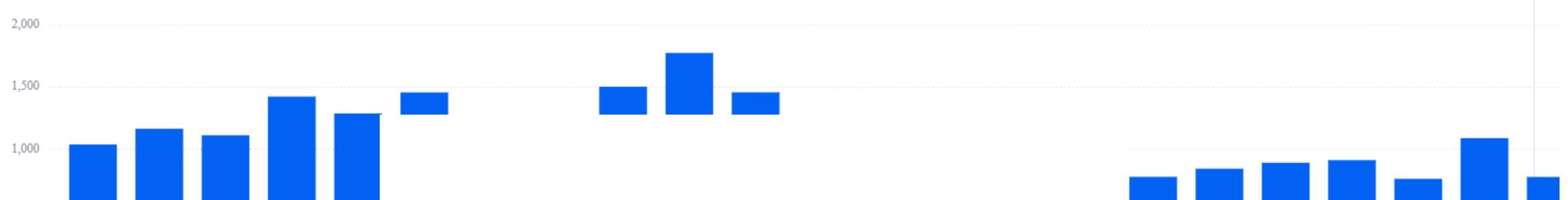
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Acid Imidazolium	Pemberdayaan Warga	Biological Monitoring	Strontium Chromite	Mevalonate Metabolism	Boundary Defect	Lattice Ordering	Allosteric Sites
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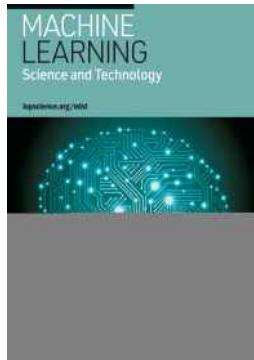
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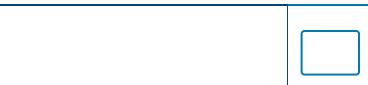
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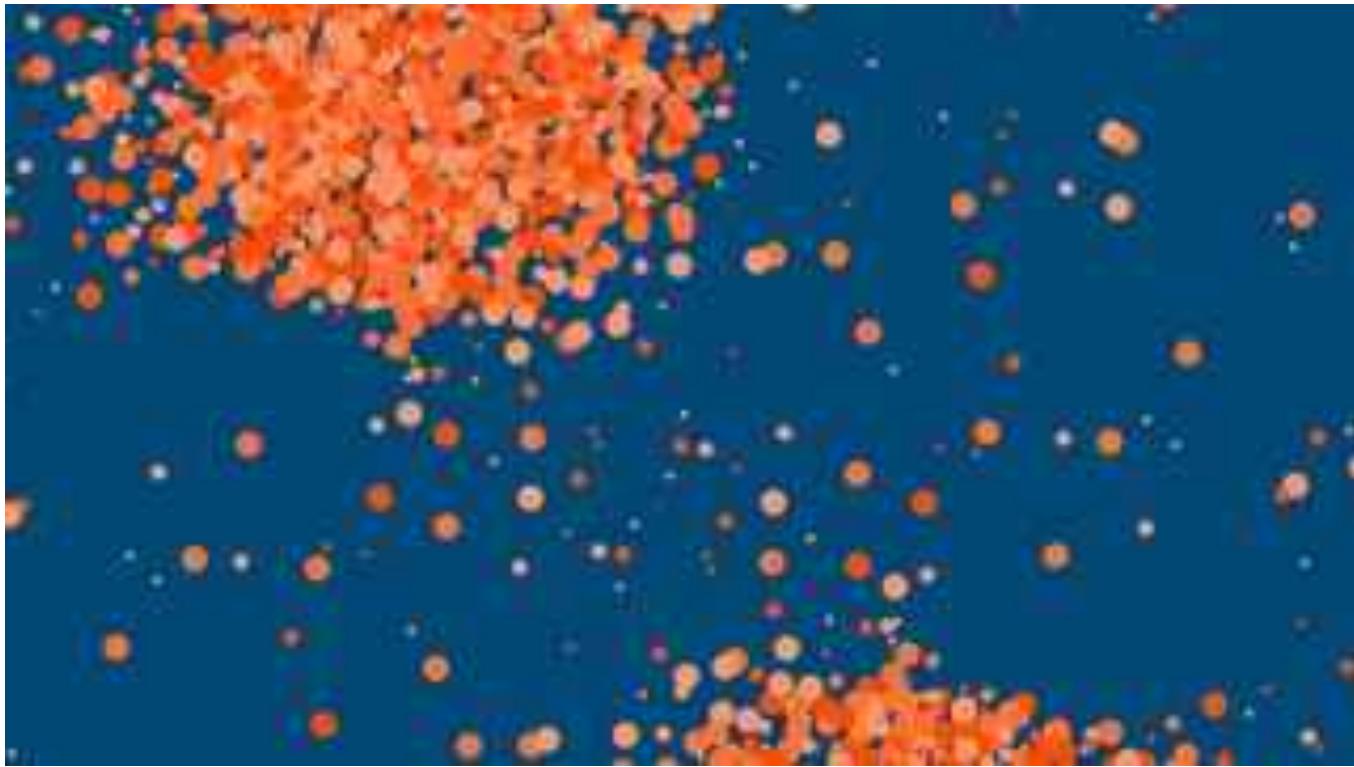




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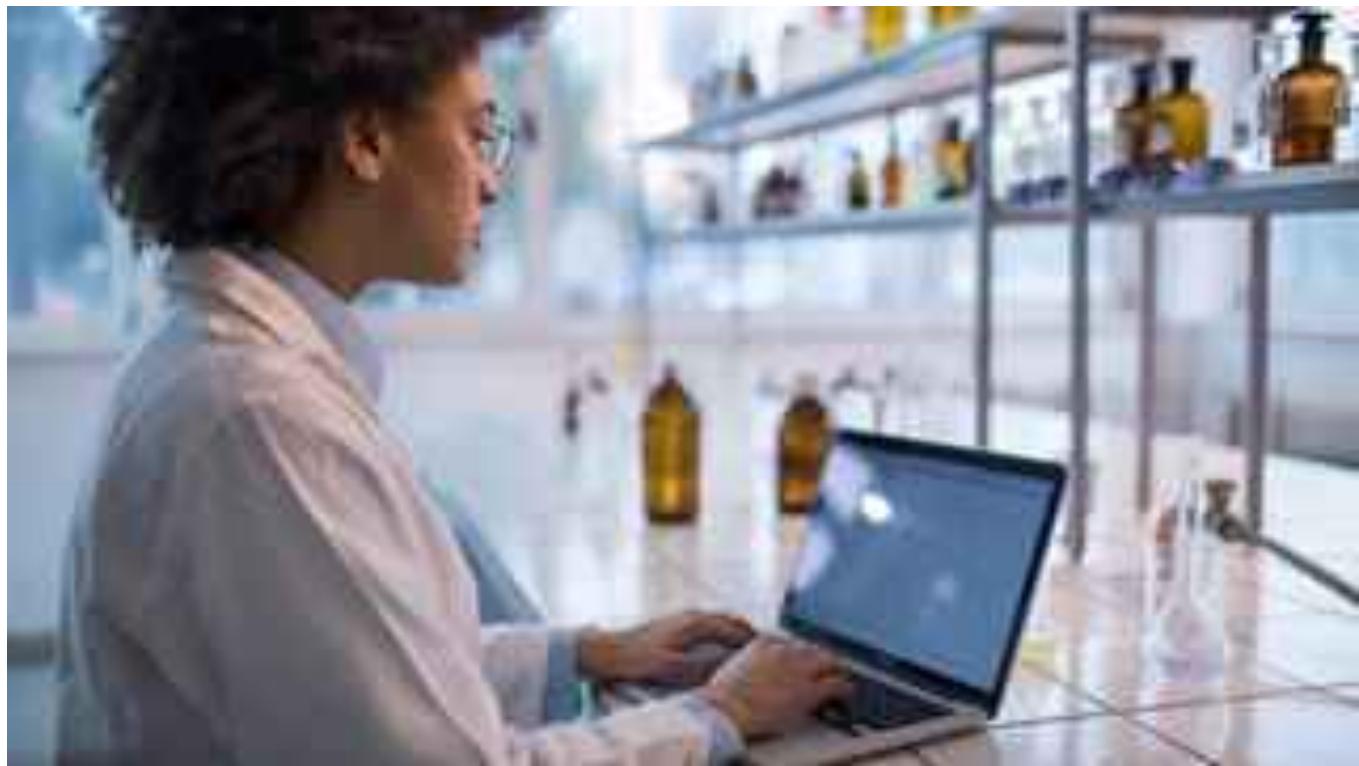


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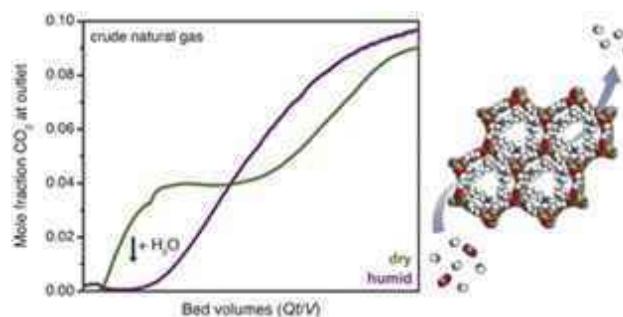


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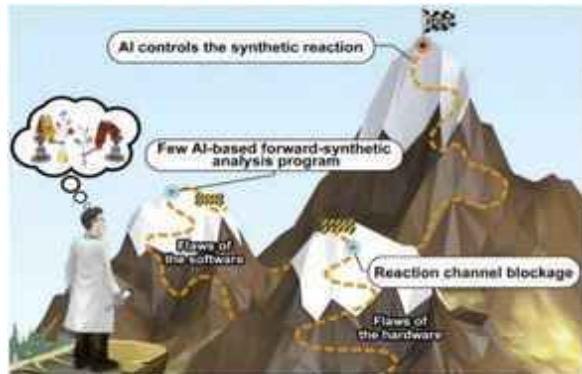


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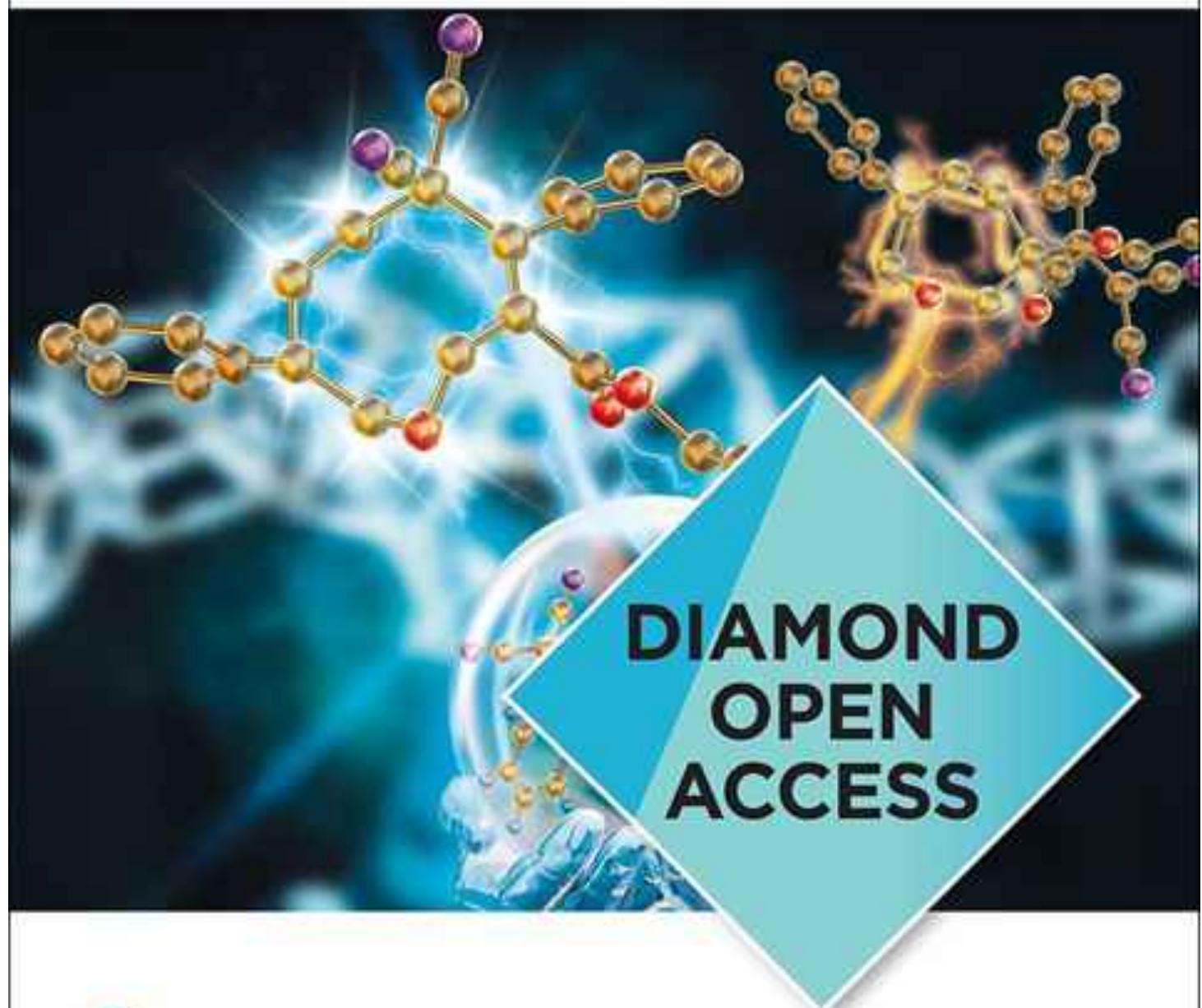
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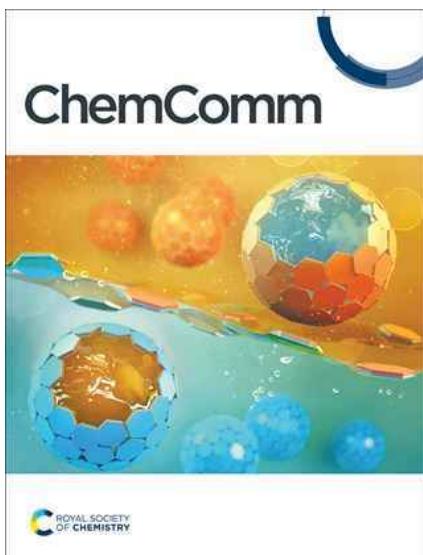
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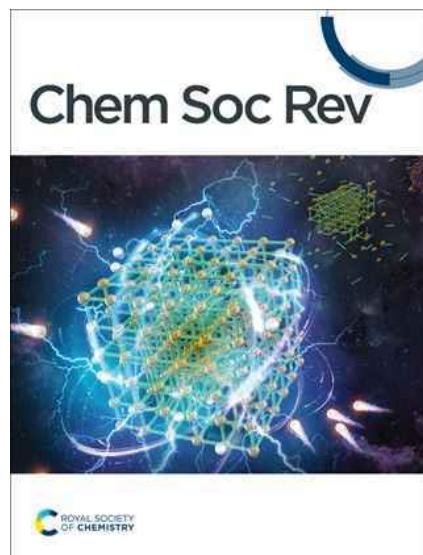
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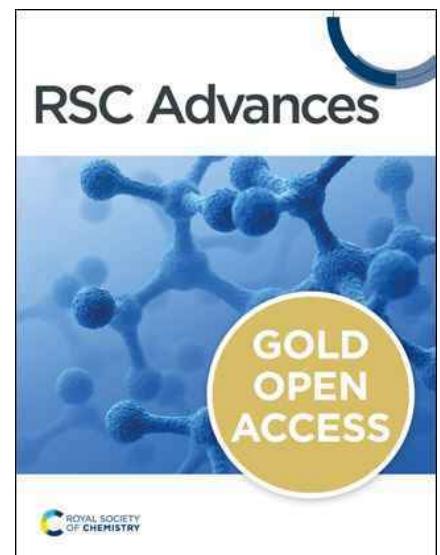
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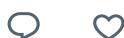
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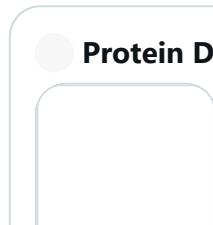
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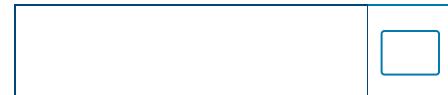
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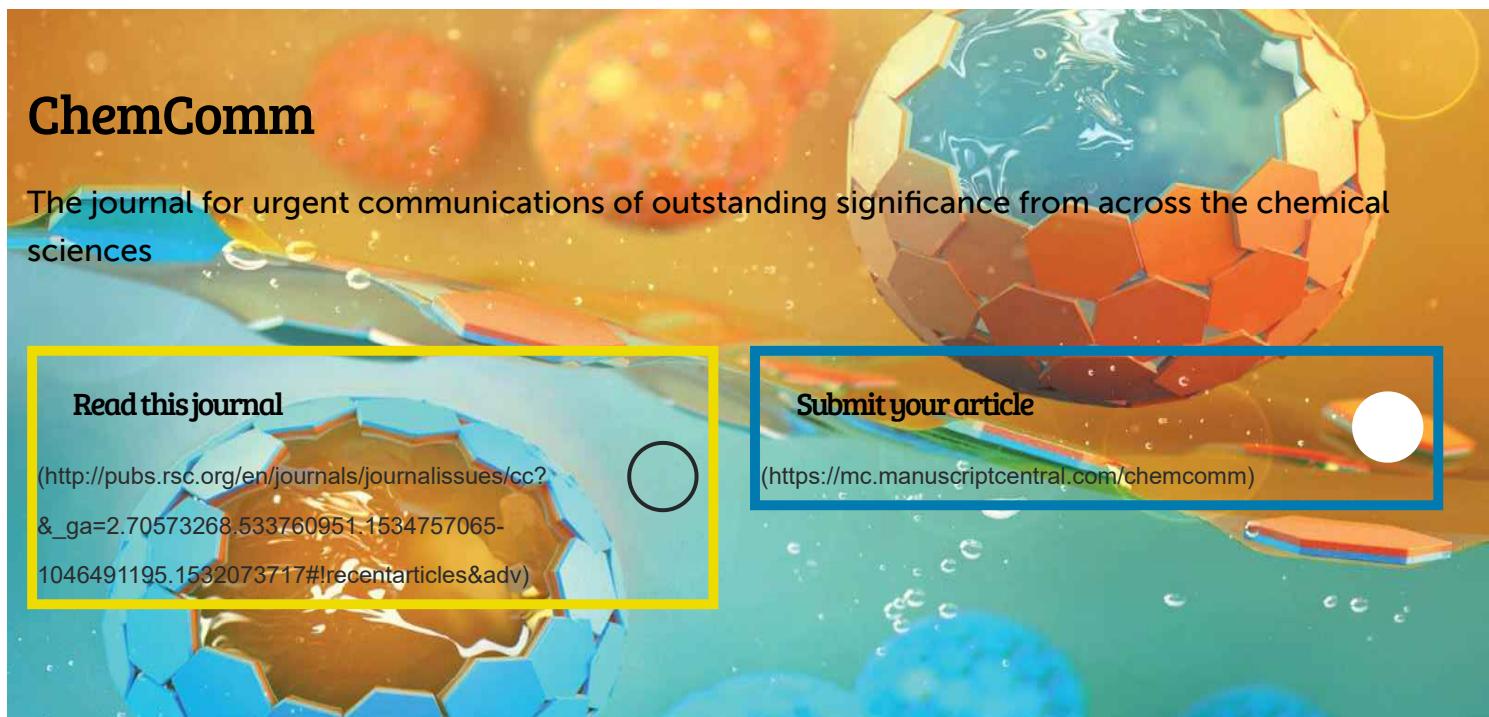


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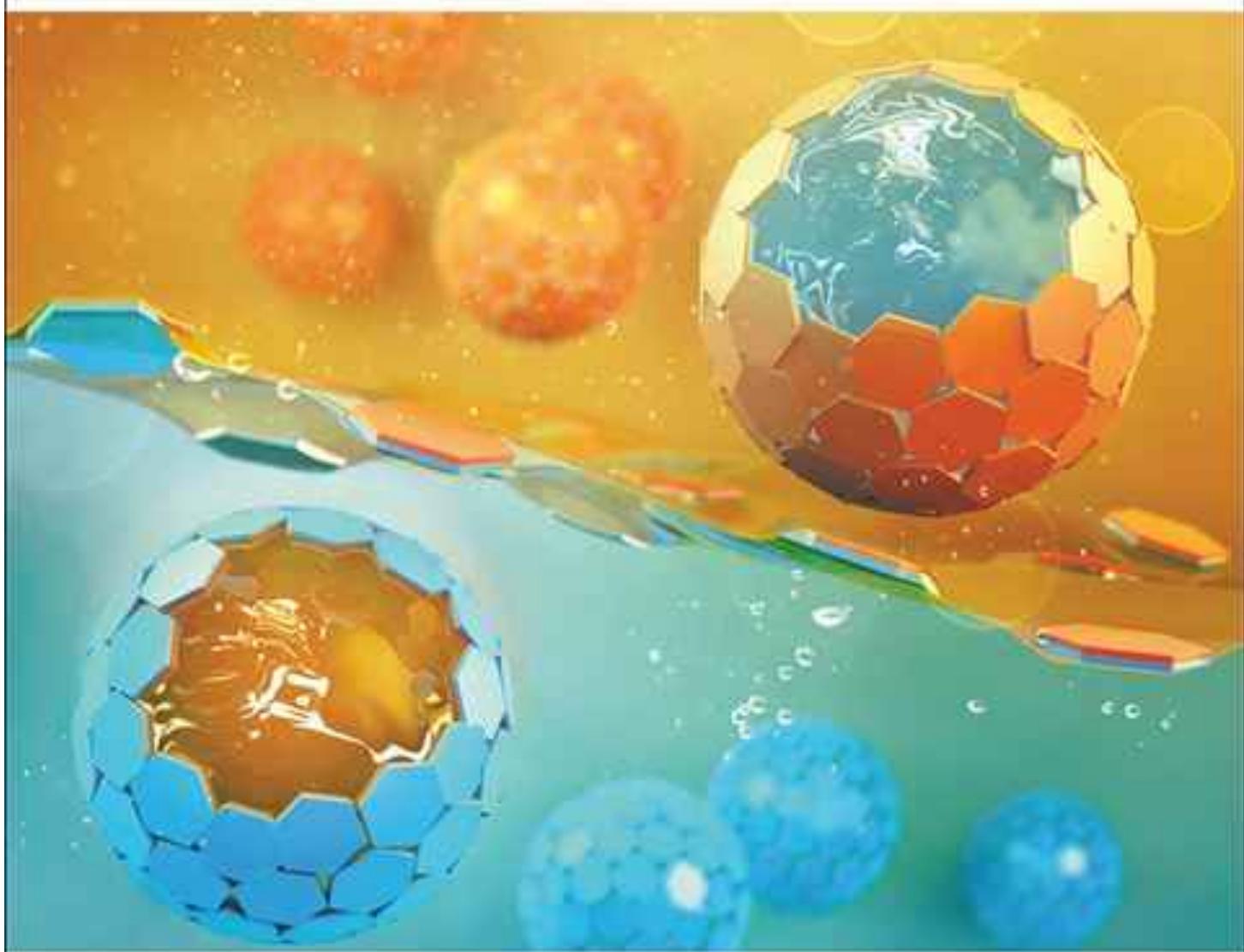
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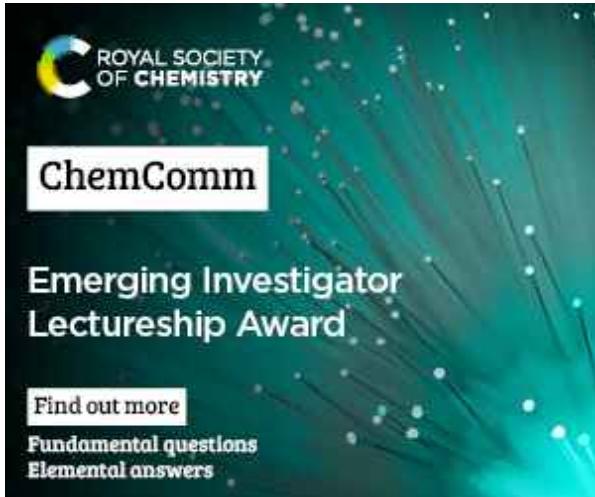
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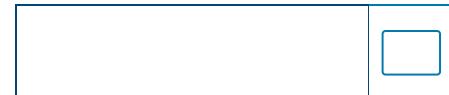
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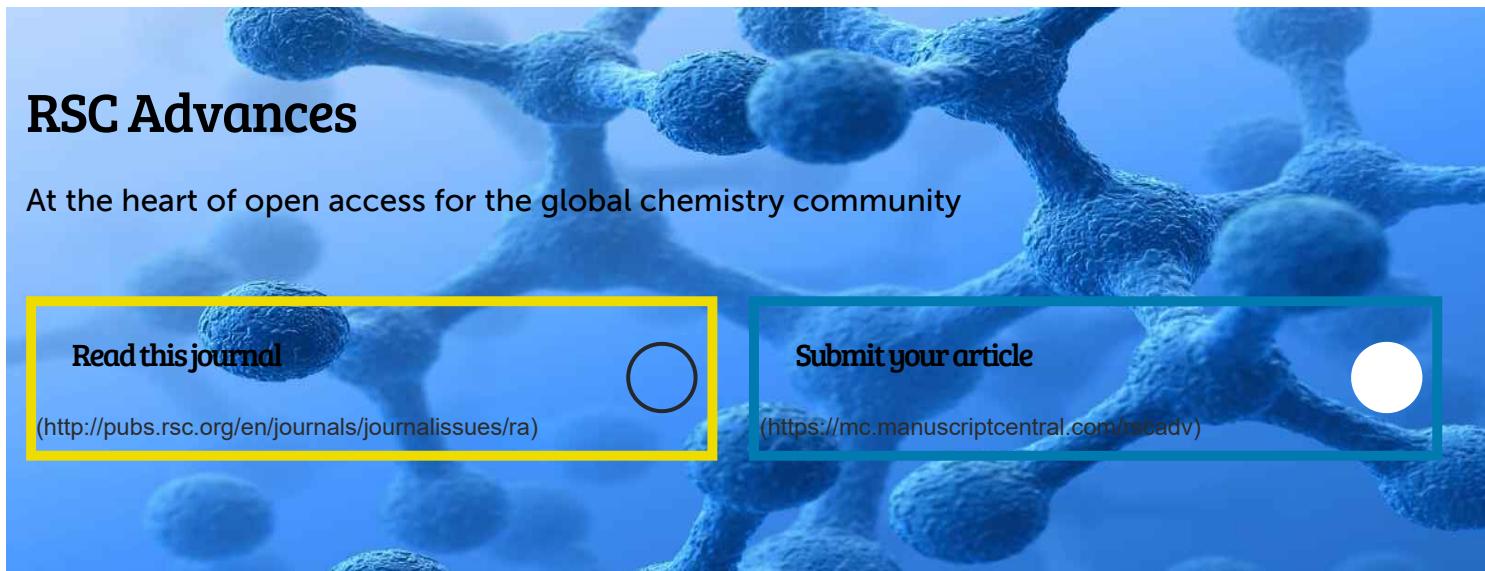


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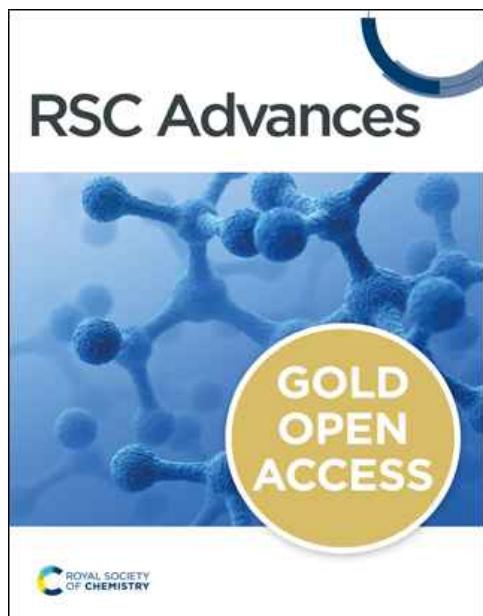
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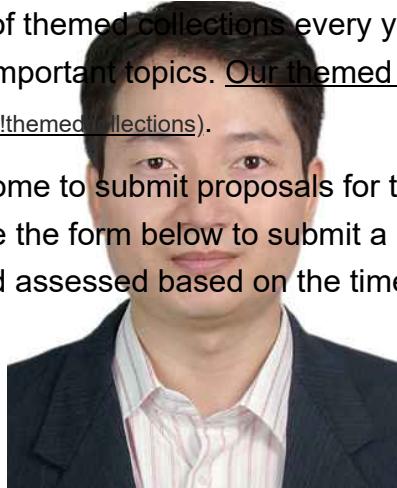
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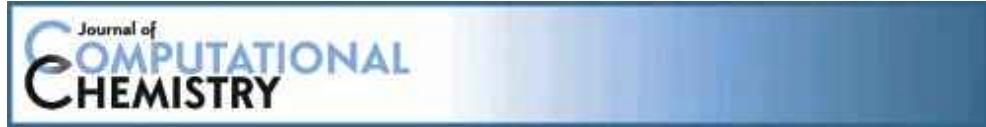
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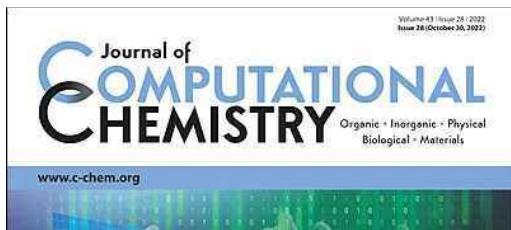
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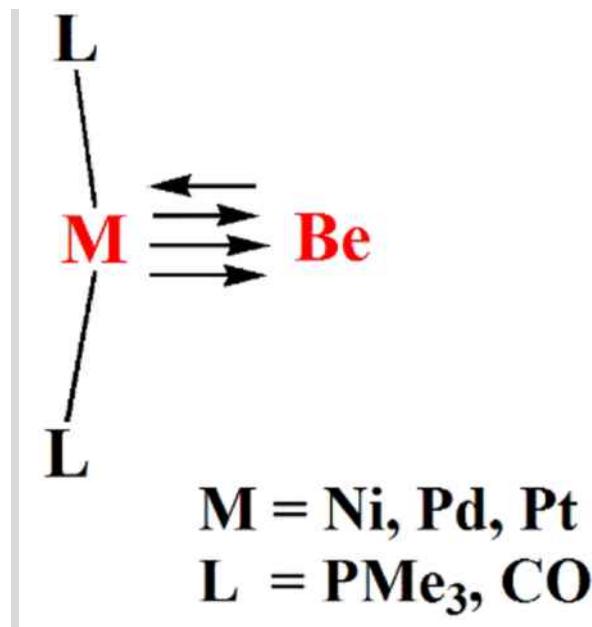
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Dative quadruple bonds between d^{10} transition metals and beryllium in $\text{BeM}(\text{PMe}_3)_2$ and $\text{BeM}(\text{CO})_2$ ($\text{M} = \text{Ni, Pd, and Pt}$) complexes: Transition metal fragments as six-electron donor and two-electron acceptor

Sneha Parambath, Vishnu Thannimangalath, Pattiyl Parameswaran

First Published: 26 April 2023

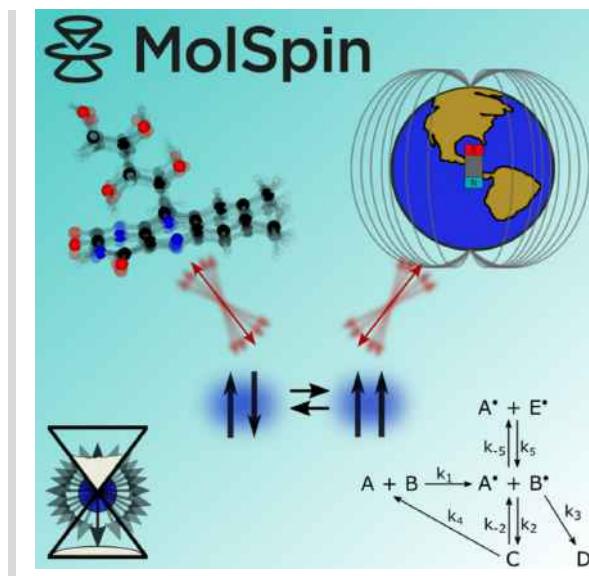


The M-Be bonding in 16 VE $\text{BeM}(\text{PMe}_3)_2$ and $\text{BeM}(\text{CO})_2$ ($\text{M} = \text{Ni, Pd, and Pt}$) complexes can be best described by dative quadruple bonds viz., one $\text{Be}\rightarrow\text{M}$ σ bond, one $\text{Be}\leftarrow\text{M}$ σ bond, and two $\text{Be}\leftarrow\text{M}$ π bonds. The high proton and hydride affinities indicate the ambiphilic character at the beryllium centre.

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Luca Gerhards, Claus Nielsen, Daniel R. Kattnig, P. J. Hore, Ilia A. Solov'yov

First Published: 26 April 2023



Bloch–Redfield–Wangsness theory is a powerful mathematical framework to describe environment-induced spin relaxation. In particular, complex perturbations which have no explicit analytical form can be included with this theory. The generalized implementation into the toolkit *MolSpin* guarantees a versatile usage with which complex motions such as those in proteins can be described as well as situations in which explicit relaxation matrices cannot be obtained.

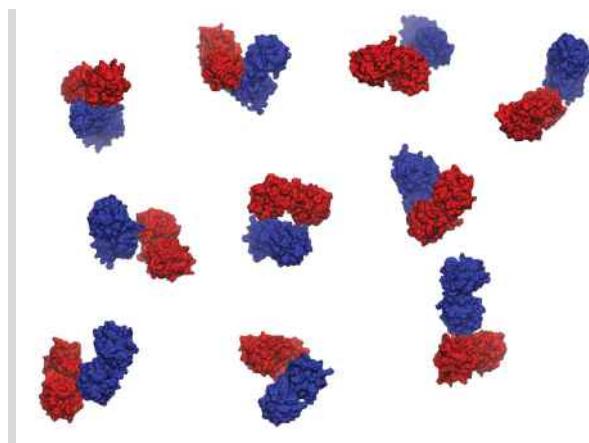
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J. Alfredo Freites, Mohab N. Louis, Douglas J. Tobias

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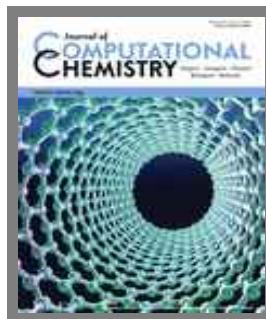
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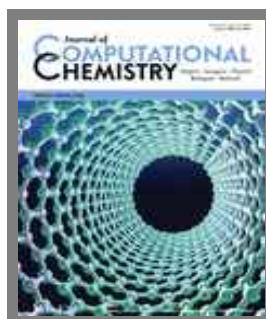
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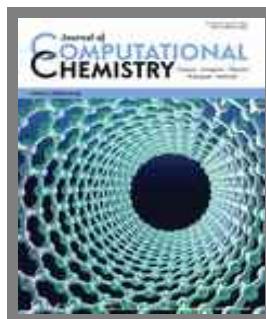
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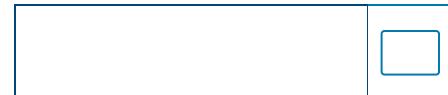
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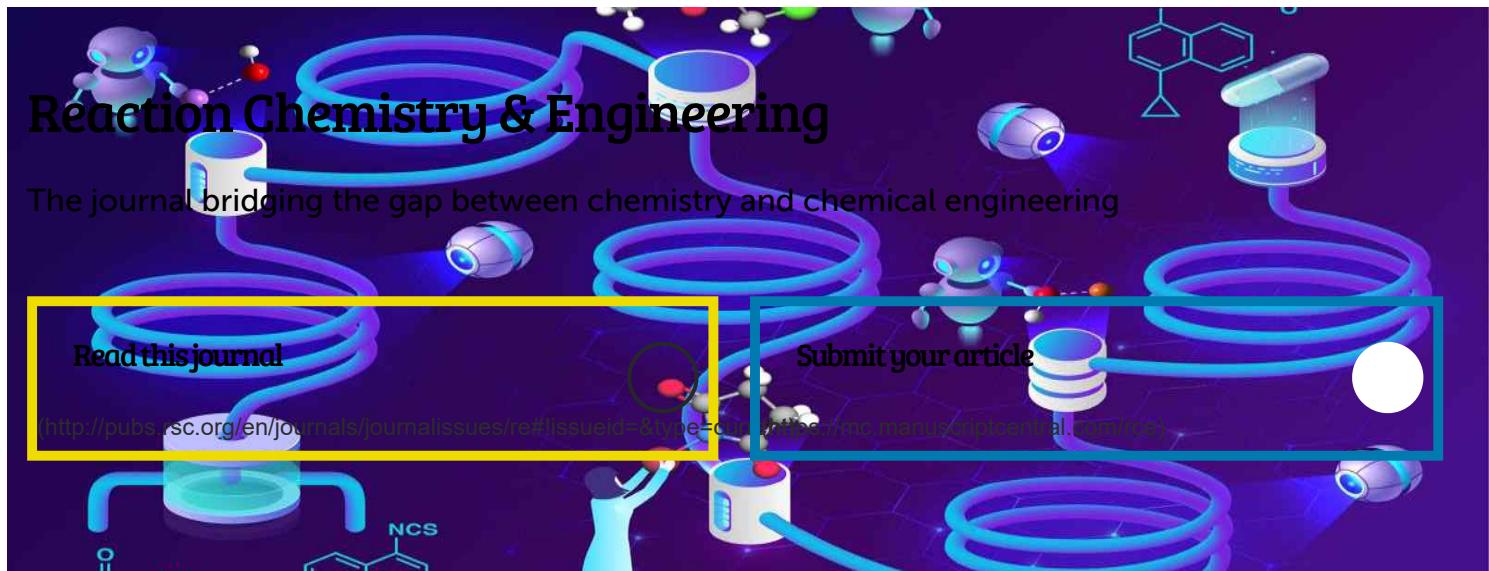


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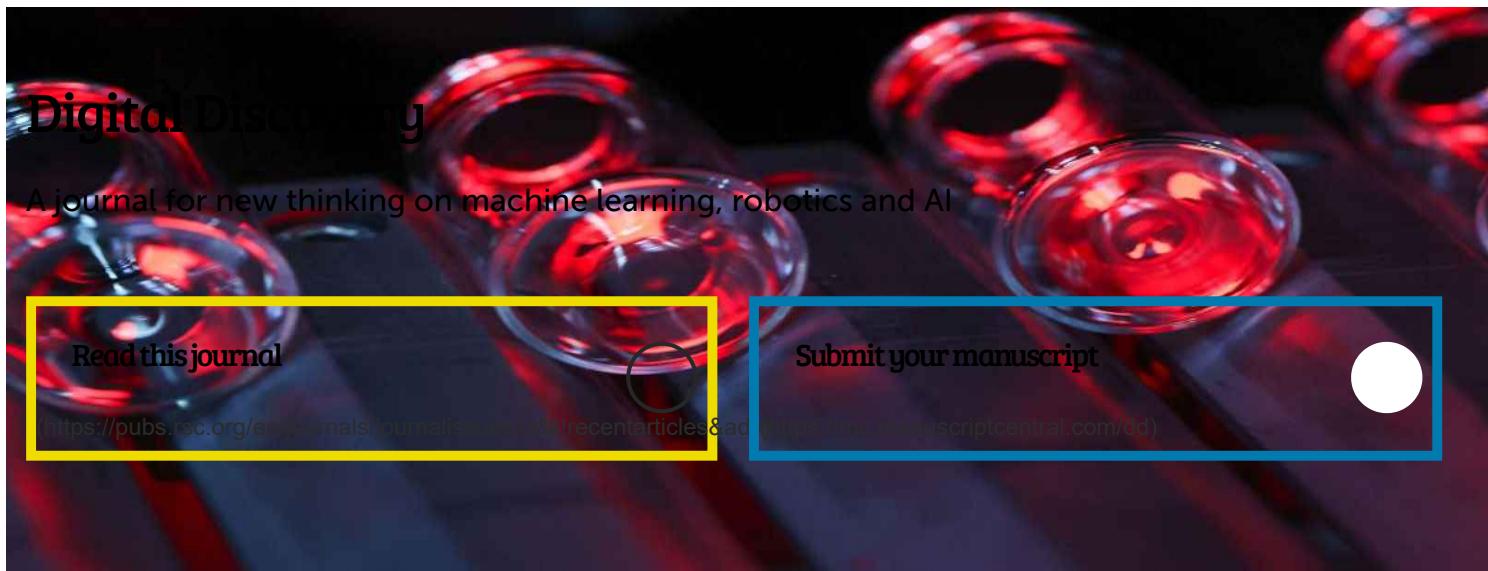


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Minerals 2023, 13(5), 601; <https://doi.org/10.3390/min13050601> (registering DOI) - 26 Apr 2023

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Minerals 2023, 13(5), 600; <https://doi.org/10.3390/min13050600> (registering DOI) - 26 Apr 2023

Abstract Carbonate-hosted Pb–Zn deposits are of major economic importance. The Sichuan–Yunnan–Guizhou metallogenetic belt (SYGMB), located on the western margin of the Yangtze Block, comprises over 400 carbonated-hosted Pb–Zn deposits. However, ore-forming fluids recorded in these deposits have led to controversy regarding ore genesis. We [...] [Read more.](#)

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Minerals 2023, 13(5), 599; <https://doi.org/10.3390/min13050599> (registering DOI) - 26 Apr 2023

Abstract The concern about enhancing the productivity of Salitre phosphate mines has led to an extensive research and development program on new reagents, aimed at the sustainable processing of the ore, with greater production of phosphate concentrate and, consequently, less waste disposal in the [...] [Read more.](#)

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Minerals 2023, 13(5), 598; <https://doi.org/10.3390/min13050598> (<https://doi.org/10.3390/min13050598>) - 26 Apr 2023

Abstract In the Iberian Pyritic Belt (SW Europe), Acid Mine Drainage (AMD) is the consequence of the interaction of physical-chemical and biological factors, where aerobic Fe and/or S oxidizing chemolithotrophic and anaerobic sulfate reducing bacteria play an essential role. As a result, the polluted [...]

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Minerals 2023, 13(5), 597; <https://doi.org/10.3390/min13050597> (<https://doi.org/10.3390/min13050597>) - 25 Apr 2023

Abstract Large-scale layered intrusions of a peridotite–pyroxenite–gabbronorite complex, to which Cr, Ni, Cu, and PGE deposits and ore occurrences are confined, were emplaced into the Baltic paleocontinent 2.50–2.45 Ga. Layered intrusions in the Monchegorsk Ore District, including the Monchepluton and Imandra–Umbarechka Complex, as well [...] [Read more.](#)

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Minerals 2023, 13(5), 596; <https://doi.org/10.3390/min13050596> (<https://doi.org/10.3390/min13050596>) - 25 Apr 2023

Abstract Recent experiments have heightened our understanding of reactions which can stabilize biomolecules during early diagenesis, yet little remains known about how groundwater chemistry can aid or hinder molecular preservation within a bone through geologic time. To elucidate this issue, we conducted actualistic experiments [...] [Read more](#).

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Low-Temperature Fluorocarbonate Mineralization in Lower Devonian Rhynie Chert, UK (/2075-163X/13/5/595)

by  [John Parnell](#) (<https://sciprofiles.com/profile/274293>),

 [Temitope O. Akinsanpe](#) (<https://sciprofiles.com/profile/author/MFNOOQzQvYUZ5ZFRETcOsMViSEkvWjJlamZPQUVTYjB0NVdtS1FsWU9Zcz0=>),

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 [Joseph G. T. Armstrong](#) (<https://sciprofiles.com/profile/2147760>)

Minerals 2023, 13(5), 595; <https://doi.org/10.3390/min13050595> (<https://doi.org/10.3390/min13050595>) - 25 Apr 2023

Abstract Rare earth element (REE) fluorocarbonate mineralization occurs in lacustrine shales in the Lower Devonian Rhynie chert, Aberdeenshire, UK, preserved by hot spring silicification. Mineralization follows a combination of first-cycle erosion of granite to yield detrital monazite grains, bioweathering of the monazite to liberate [...] [Read more](#).

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Petrogenesis of Eagle Lake Granite and Its Associated Cu–Mo–Au Mineralization, Southwestern New Brunswick, Canada (/2075-163X/13/5/594)

by  [Fazilat Yousefi](https://sciprofiles.com/profile/2798958) (<https://sciprofiles.com/profile/2798958>),  [David R. Lentz](https://sciprofiles.com/profile/553664) (<https://sciprofiles.com/profile/553664>),  [Kathleen G. Thorne](https://sciprofiles.com/profile/1098599) (<https://sciprofiles.com/profile/1098599>),  [Christopher R. M. McFarlane](https://sciprofiles.com/profile/author/K0F4WFJ1VkY4Vzg3UGQ5MGl1a1kwY2hnUWNaaamhyQ21UYzBCSC9zSEtsaz0=) (<https://sciprofiles.com/profile/author/K0F4WFJ1VkY4Vzg3UGQ5MGl1a1kwY2hnUWNaaamhyQ21UYzBCSC9zSEtsaz0=>) and  [Brian Cousens](https://sciprofiles.com/profile/author/K0F4WFJ1VkY4Vzg3UGQ5MGl1a1kwY2hnUWNaaamhyQ21UYzBCSC9zSEtsaz0=) (<https://sciprofiles.com/profile/author/K0F4WFJ1VkY4Vzg3UGQ5MGl1a1kwY2hnUWNaaamhyQ21UYzBCSC9zSEtsaz0=>)
Minerals 2023, 13(5), 594; <https://doi.org/10.3390/min13050594> (<https://doi.org/10.3390/min13050594>) - 25 Apr 2023 | [Toggle desktop layout cookie](#) |   

Abstract The NE-trending multiphase Late Devonian Eagle Lake granite (ELG) in southwestern New Brunswick is mineralized, consisting of hypabyssal porphyritic stocks and dikes that intruded Silurian metabasic volcanic rocks; however, its various phases, ages, and associations with notable stockwork Cu–Mo–Au mineralization and alteration have [...] [Read more](#).

(This article belongs to the Special Issue [New Insights into Porphyry, Epithermal, and Skarn Deposits](#) ([/journal/minerals/special_issues/8I674KFB39](#)))

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[Analysis of the Role of Water Saturation Degree in HTO, \$^{36}\text{Cl}\$, and \$^{75}\text{Se}\$ Diffusion in Sedimentary Rock](#) ([/2075-163X/13/5/593](#))

by  [Miguel García-Gutiérrez](https://sciprofiles.com/profile/2741482) (<https://sciprofiles.com/profile/2741482>),  [Manuel Mingarro](https://sciprofiles.com/profile/author/M1VqVGk1alhDemVkdnlzaU95b2hnbEpQRXB6a2RqOHpiRVUwVTJjWXdnYz0=) (<https://sciprofiles.com/profile/author/M1VqVGk1alhDemVkdnlzaU95b2hnbEpQRXB6a2RqOHpiRVUwVTJjWXdnYz0=>),  [Jesús Morejón](https://sciprofiles.com/profile/author/M0NEYnFCeTRMRVdtNnlrRkZuZ1QzQ2g5MVU4WG1SdzNVbTgxR2tQWlp1dz0=) (<https://sciprofiles.com/profile/author/M0NEYnFCeTRMRVdtNnlrRkZuZ1QzQ2g5MVU4WG1SdzNVbTgxR2tQWlp1dz0=>),  [Ursula Alonso](https://sciprofiles.com/profile/2711287) (<https://sciprofiles.com/profile/2711287>) and  [Tiziana Missana](https://sciprofiles.com/profile/551661) (<https://sciprofiles.com/profile/551661>)

Minerals 2023, 13(5), 593; <https://doi.org/10.3390/min13050593> (<https://doi.org/10.3390/min13050593>) - 25 Apr 2023

Abstract The aim of this study was to analyze HTO, ^{36}Cl , and ^{75}Se (IV) diffusion behavior in a sedimentary rock, which was obtained from the site initially selected for the emplacement of centralized temporal disposal of radioactive waste in Spain. Different experimental methodologies [...] [Read more](#).

(This article belongs to the Special Issue [Mineral-Water Interfaces and Interfacial Reactions with \(Radioactive\) Contaminants](#) ([/journal/minerals/special_issues/mineral-water_interfaces_interfacial_reactions](#)))

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[Controls on the Generation and Geochemistry of Neutral Mine Drainage: Evidence from Force Crag Mine, Cumbria, UK](#) ([/2075-163X/13/5/592](#))

by  Adam P. Jarvis (<https://sciprofiles.com/profile/2853807>), Catherine J. Gandy (<https://sciprofiles.com/profile/2914840>) and

John A. Webb (<https://sciprofiles.com/profile/2890412>)

Minerals 2023, 13(5), 592; <https://doi.org/10.3390/min13050592> (<https://doi.org/10.3390/min13050592>) - 25 Apr 2023

Abstract Neutral mine drainage (NMD) at Force Crag mine in north-west England has a circumneutral pH and high levels of Zn contamination. A long-term geochemical and hydrological dataset from this site was analysed using a novel molar mass balance approach, which demonstrated that the [...] [Read more](#).

(This article belongs to the Special Issue [Environmental Pollution and Assessment in Mining Areas](#) ([/journal/minerals/special_issues/FI5E0PS186](#)))

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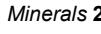
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[Study of Bearing Characteristics and Damage Law of Grouting-Reinforced Bodies](#) ([/2075-163X/13/5/591](#))

by  Chuanwei Zang (<https://sciprofiles.com/profile/author/QjFPQkcxbrFxLytrYmlwalRaTUVDdTVpZS91Zzk0Z280NnVBWXVwNIVUTT0=>),

 Liu Yang (<https://sciprofiles.com/profile/2829971>),  Miao Chen (<https://sciprofiles.com/profile/1254251>) and

 Yang Chen (<https://sciprofiles.com/profile/2486605>).

Minerals 2023, 13(5), 591; <https://doi.org/10.3390/min13050591> (<https://doi.org/10.3390/min13050591>) - 24 Apr 2023

Abstract To explore solutions for reinforcement problems of broken rock masses in deep roadways, it is necessary to study the performance of cement-based grout and its reinforcement effect. In this study, grouting-reinforced specimens with different particle sizes of broken coal were made, which revealed [...] [Read more](#).

(This article belongs to the Special Issue [Solid-Filling Technology in Coal Mining](#) ([/journal/minerals/special_issues/SFTCM](#)))

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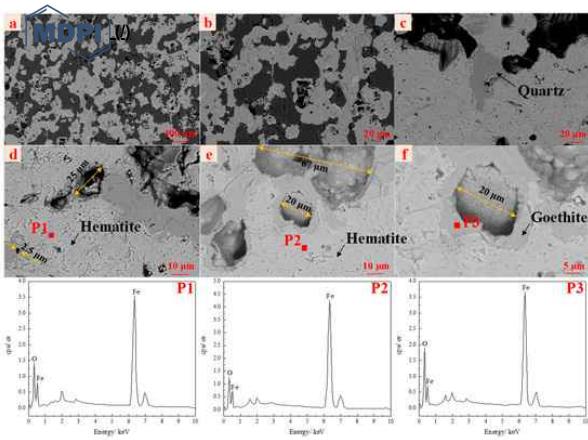
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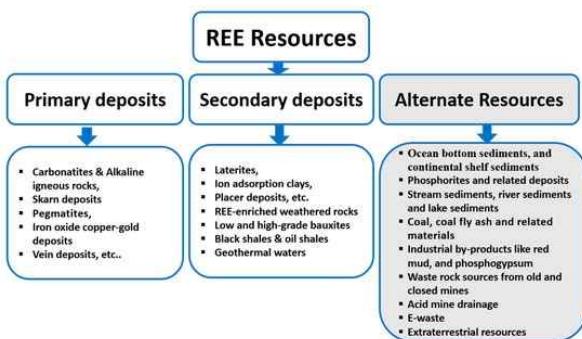
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by Vysetti Balaram (/search?authors=Vysetti%20Balaram&orcid=0000-0002-8621-192X)

Minerals 2023, 13(3), 425; <https://doi.org/10.3390/min13030425> (<https://doi.org/10.3390/min13030425>)

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Review

Comparison of the Late Miocene Sediments and Early Quaternary Red Paleosols in the Penghu Islands, Taiwan and Zhangpu, Fujian (/2075-163X/13/4/531)

by Xuhui Luo (/search?authors=Xuhui%20Luo&orcid=) et al.

Minerals 2023, 13(4), 531; <https://doi.org/10.3390/min13040531> (<https://doi.org/10.3390/min13040531>)

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Minerals 2023, 13(4), 508; <https://doi.org/10.3390/min13040508> (<https://doi.org/10.3390/min13040508>)

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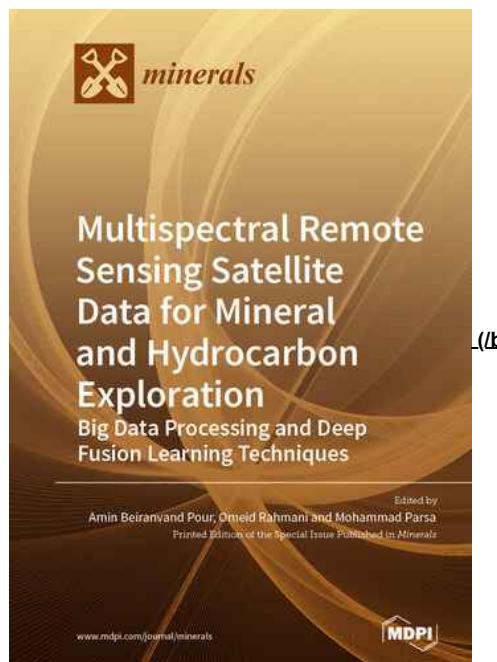
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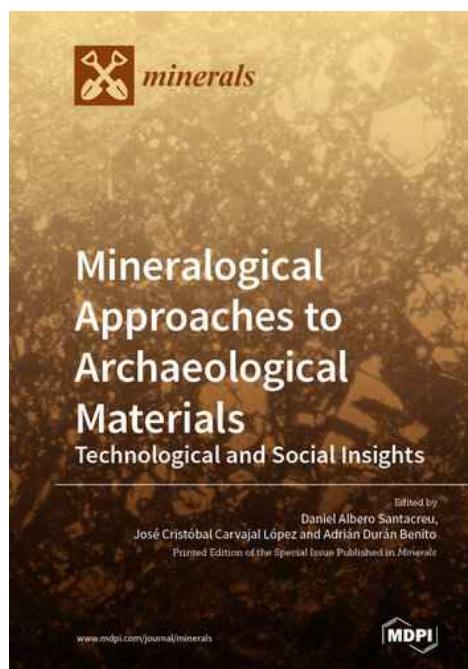


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