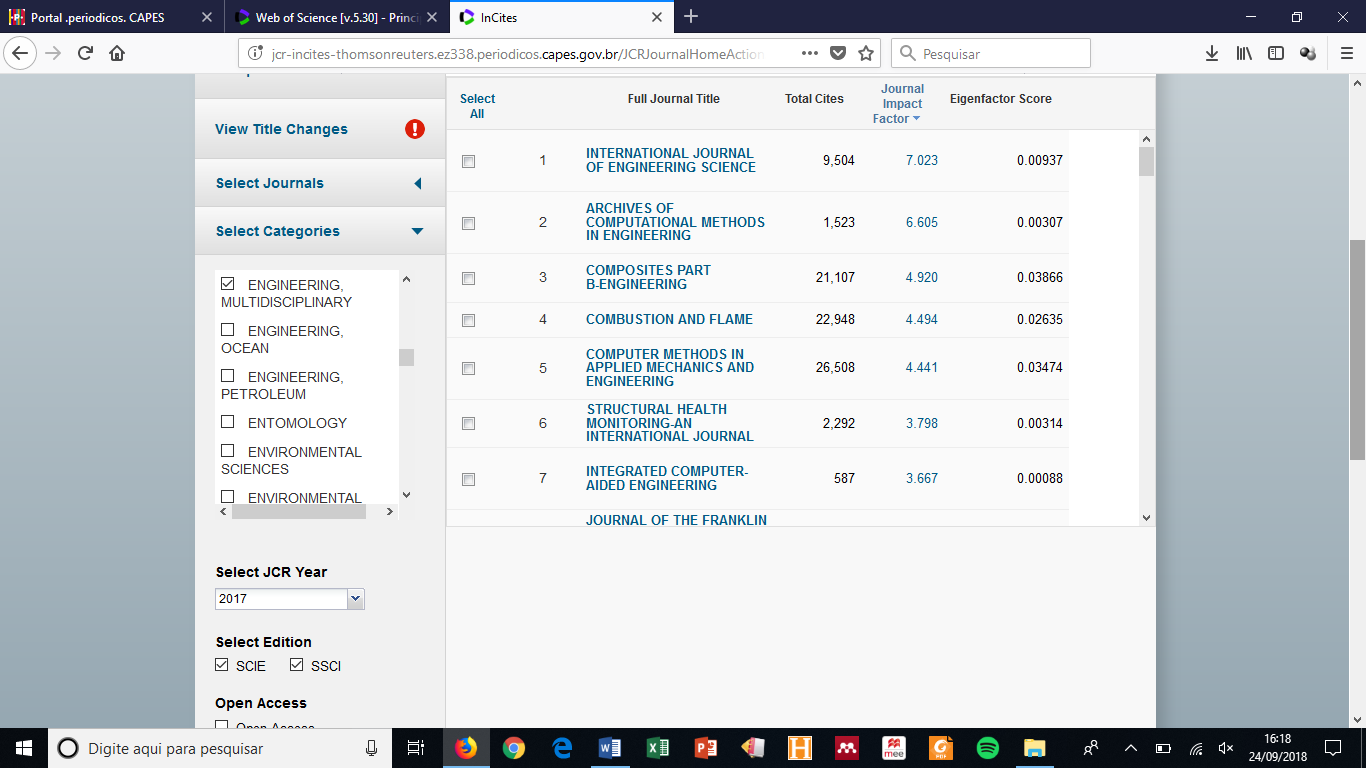
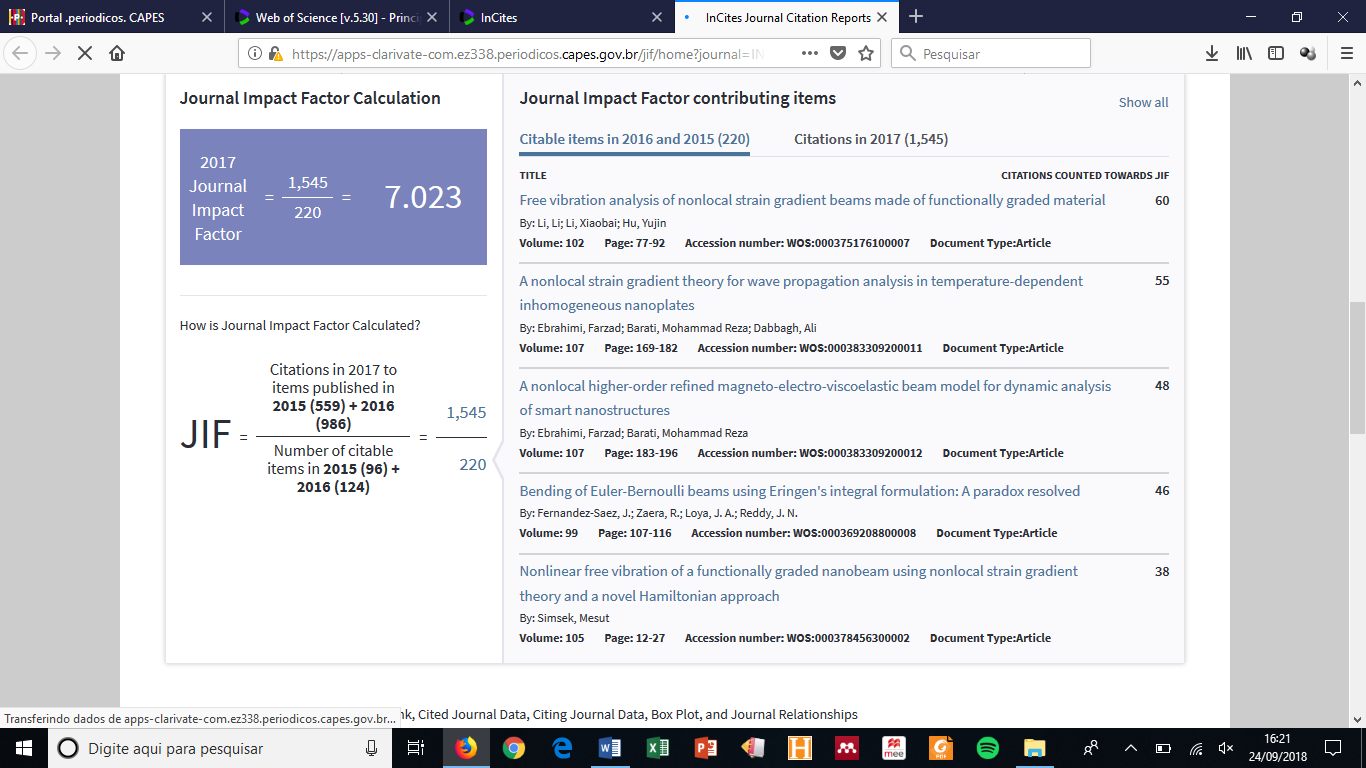
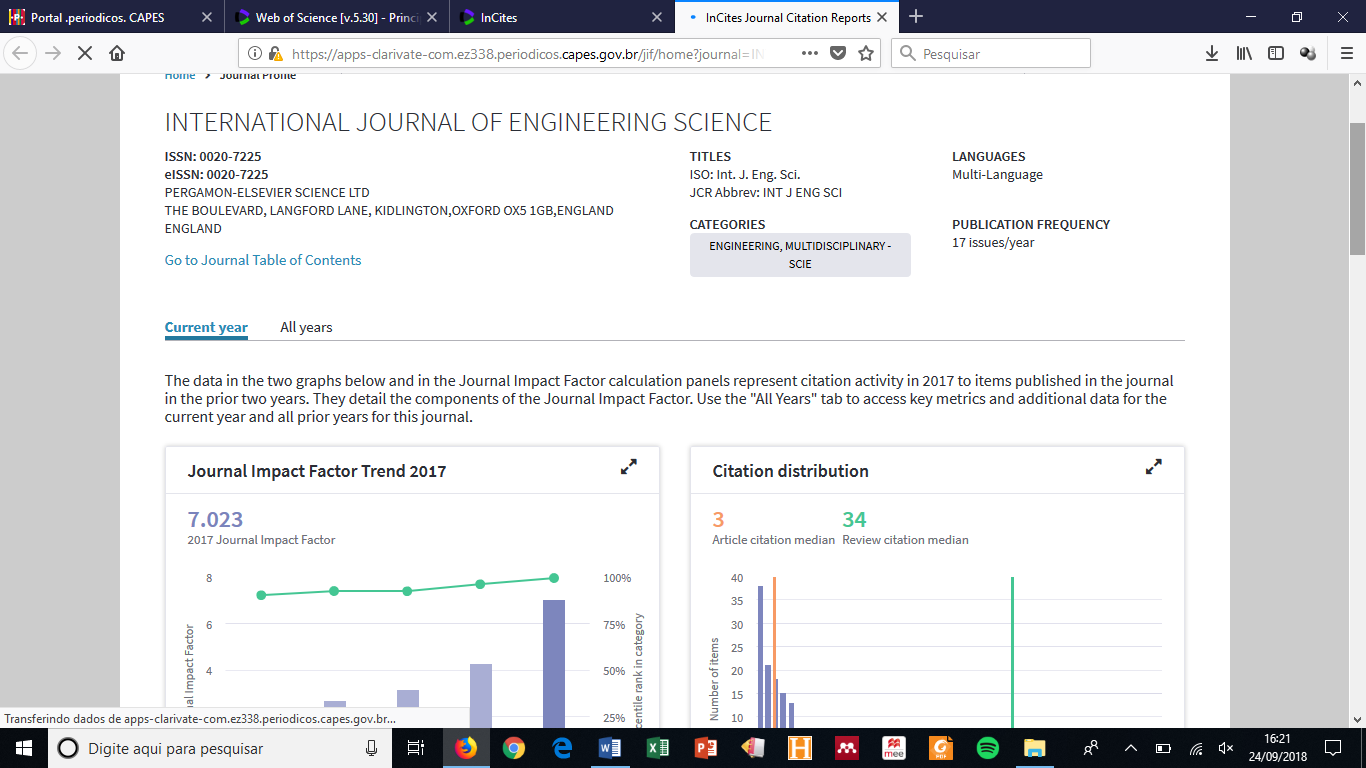


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[Evaluation of the effective elastic and conductive properties of a material containing concave pores](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365373300006)

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By: Chen, Fengjuan; Sevostianov, Igor; Giraud, Albert; Grgic, Dragan

Volume: 97

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Accession number: WOS:000365373300006

Document Type:Article

[Torsion of a functionally graded 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%3A000387627700002)

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By: Shen, Yang; Chen, Yongjie; Li, Li

Volume: 109

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Accession number: WOS:000387627700002

Document Type:Article

[Viscoelastically coupled size-dependent dynamics of microbeams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387627700013)

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By: Ghayesh, Mergen H.; Farokhi, Hamed; Hussain, Shahid

Volume: 109

Page: 243-255

Accession number: WOS:000387627700013

Document Type:Article

[Continuum models calibrated with atomistic simulations for the transverse vibrations of silicon 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%3A000371104100002)

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By: Pishkenari, Hossein Nejat; Afsharmanesh, Bahram; Tajaddodianfar, Farid

Volume: 100

Page: 8-24

Accession number: WOS:000371104100002

Document Type:Article

[Study of blood flow in several benchmark micro-channels using a two-fluid 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%3A000361261800004)

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By: Wu, Wei-Tao; Yang, Fang; Antaki, James F.; Aubry, Nadine; Massoudi, Mehrdad

Volume: 95

Page: 49-59

Accession number: WOS:000361261800004

Document Type:Article

[Compliance and resistivity contribution tensors of axisymmetric concave pores](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372940900002)

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Volume: 101

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Document Type:Article

[A discussion on incorporating the Poisson effect in microbeam models based on modified couple stress 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%3A000346459200003)

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Volume: 86

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Accession number: WOS:000346459200003

Document Type:Article

[Stress analysis of rotating nano-disks of variable thickness made of functionally graded 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%3A000387627700003)

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Volume: 109

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Accession number: WOS:000387627700003

Document Type:Article

[Size-dependent behavior of functionally graded anisotropic composite 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%3A000381543900008)

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By: Guo, Junhong; Chen, Jiangyi; Pan, Ernian

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Accession number: WOS:000381543900008

Document Type:Article

[On a second-order rotation gradient theory for linear elastic continua](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371104100006)

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By: Shaat, Mohamed; Abdelkefi, Abdessattar

Volume: 100

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Accession number: WOS:000371104100006

Document Type:Article

[A simulation method for permeability of porous media based on multiple fractal model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361261800006)

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Volume: 95

Page: 76-84

Accession number: WOS:000361261800006

Document Type:Article

[Subcritical parametric dynamics of microbeams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361261800003)

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By: Ghayesh, Mergen H.; Farokhi, Hamed; Alici, Gursel

Volume: 95

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Accession number: WOS:000361261800003

Document Type:Article

[Hydraulic fracture revisited: Particle velocity based simulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700002)

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By: Wrobel, Michal; Mishuris, Gennady

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Accession number: WOS:000359031700002

Document Type:Article

[3D plastic collapse and brittle fracture surface models of trabecular bone from asymptotic homogenization method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348746200006)

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By: Goda, Ibrahim; Ganghoffer, Jean-Francois

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Accession number: WOS:000348746200006

Document Type:Article

[Size-dependent parametric dynamics of imperfect microbeams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369208800004)

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Accession number: WOS:000369208800004

Document Type:Article

[On the independence of strain invariants of two preferred direction nonlinear elasticity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365373300003)

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Volume: 97

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Accession number: WOS:000365373300003

Document Type:Article

[Elastic analysis of axially functionally graded rotating thick cylinder with variable thickness under non-uniform arbitrarily pressure loading](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319900006)

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By: Nejad, Mohammad Zamani; Jabbari, Mehdi; Ghannad, Mehdi

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Accession number: WOS:000351319900006

Document Type:Article

[Study on an alternative deformation concept for the Timoshenko beam and Mindlin plate 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%3A000348746200004)

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Volume: 87

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Accession number: WOS:000348746200004

Document Type:Article

[On nonlinear behavior and buckling of fluid-transporting 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%3A000348746200002)

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By: Dai, H. L.; Wang, L.; Abdelkefi, A.; Ni, Q.

Volume: 87

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Accession number: WOS:000348746200002

Document Type:Article

[On pull-in instabilities of microcantilevers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348746200003)

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By: Rahaeifard, M.; Ahmadian, M. T.

Volume: 87

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Accession number: WOS:000348746200003

Document Type:Article

[Modeling the nonlinear pull-in behavior of tunable nano-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%3A000387627700005)

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By: SoltanRezaee, Masoud; Afrashi, Mehran

Volume: 109

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Accession number: WOS:000387627700005

Document Type:Article

[Quasi-periodicity and multi-scale resonators for the reduction of seismic vibrations in fluid-solid 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%3A000387627700011)

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Volume: 109

Page: 216-239

Accession number: WOS:000387627700011

Document Type:Article

[Static behavior of bilayer microcantilevers under thermal actuation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383309200003)

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Volume: 107

Page: 28-35

Accession number: WOS:000383309200003

Document Type:Article

[Small-scale indentation of an elastic coated half-space: The effect of compliant 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%3A000377736700007)

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By: Argatov, Ivan I.; Sabina, Federico J.

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Accession number: WOS:000377736700007

Document Type:Article

[An innovative nondestructive perspective for the prediction of the effect of environmental, aging on impacted composite 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%3A000375176100006)

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Volume: 102

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Accession number: WOS:000375176100006

Document Type:Article

[Multiscale simulation of acoustic waves in homogenized heterogeneous porous media with low and high permeability contrasts](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372940900008)

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By: Vu-Hieu Nguyen; Rohan, Eduard; Naili, Salah

Volume: 101

Page: 92-109

Accession number: WOS:000372940900008

Document Type:Article

[Maxwell homogenization scheme as a rigorous method of micromechanics: Application to effective conductivity of a composite with spheroidal particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300004)

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By: Kushch, V. I.; Sevostianov, I.

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Accession number: WOS:000367762300004

Document Type:Article

[Size-dependent frequency and stability characteristics of axially moving microbeams based on modified couple stress 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%3A000365373300010)

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By: Dehrouyeh-Semnani, Amir Mehdi; Dehrouyeh, Mohammad; Zafari-Koloukhi, Hamid; Ghamami, Mehdi

Volume: 97

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Accession number: WOS:000365373300010

Document Type:Article

[The influence of size effect on flapwise vibration of rotating microbeams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700010)

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By: Dehrouyeh-Semnani, Amir Mehdi

Volume: 94

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Accession number: WOS:000359031700010

Document Type:Article

[A mathematical model for piezoelectric ring energy harvesting technology from vehicle tires](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700007)

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Volume: 94

Page: 113-127

Accession number: WOS:000359031700007

Document Type:Article

[A damped sandwich beam model based on symmetric-deviatoric couple stress 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%3A000356124400006)

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Volume: 92

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Accession number: WOS:000356124400006

Document Type:Article

[Hybrid materials with negative Poisson's ratio inclusions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319900007)

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By: Shufrin, Igor; Pasternak, Elena; Dyskin, Arcady V.

Volume: 89

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Accession number: WOS:000351319900007

Document Type:Article

[Employing of the discrete Fourier transform for evaluation of crack-tip field in periodic 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%3A000346459200002)

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Volume: 86

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Accession number: WOS:000346459200002

Document Type:Article

[Stochastic stability of multi-nanobeam 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%3A000387627700006)

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By: Pavlovic, Ivan R.; Karlicic, Danilo; Pavlovic, Ratko; Janevski, Goran; Ciric, Ivan

Volume: 109

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Accession number: WOS:000387627700006

Document Type:Article

[In-plane deformations of a nano-sized circular inhomogeneity with interface slip and diffusion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384782400002)

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By: Wang, Xu; Wang, Cuiying; Schiavone, Peter

Volume: 108

Page: 9-15

Accession number: WOS:000384782400002

Document Type:Article

[Numerical simulations of classical problems in two-dimensional (non) linear second gradient elasticity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384782400004)

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By: Andreaus, Ugo; dell'Isola, Francesco; Giorgio, Ivan; Placidi, Luca; Lekszycki, Tomasz; et al.

Volume: 108

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Accession number: WOS:000384782400004

Document Type:Article

[A simple method for solving adhesive and non-adhesive axisymmetric contact problems of elastically graded 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%3A000377736700003)

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By: Hess, Markus

Volume: 104

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Accession number: WOS:000377736700003

Document Type:Article

[Magneto-electro-elastic properties of multiferroic composites containing periodic distribution of general multi-coated inhomogeneities](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376553000006)

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By: Hashemi, Roohollah

Volume: 103

Page: 59-76

Accession number: WOS:000376553000006

Document Type:Article

[Wave propagation in materials with negative Cosserat shear modulus](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371104100010)

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By: Pasternak, E.; Dyskin, A. V.; Esin, M.

Volume: 100

Page: 152-161

Accession number: WOS:000371104100010

Document Type:Article

[Effective viscoelastic properties of short-fiber reinforced composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371104100005)

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By: Sevostianov, Igor; Levin, Valery; Radi, Enrico

Volume: 100

Page: 61-73

Accession number: WOS:000371104100005

Document Type:Article

[Bogus transformations in mechanics of continua](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369208800002)

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By: Pucci, Edvige; Saccomandi, Giuseppe; Vitolo, Raffaele

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Accession number: WOS:000369208800002

Document Type:Article

[Nonlinear effective behavior of a dispersion of randomly oriented coated ellipsoids with arbitrary temporal dispersion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300003)

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By: Giordano, Stefano

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Accession number: WOS:000367762300003

Document Type:Article

[Transmission and localisation in ordered and randomly-perturbed structured flexural 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%3A000367762300012)

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By: Carta, Giorgio; Brun, Michele; Movchan, Alexander B.; Boiko, Tetiana

Volume: 98

Page: 126-152

Accession number: WOS:000367762300012

Document Type:Article

[Numerical evaluation of the Eshelby tensor for a concave superspherical inclusion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358092300005)

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By: Chen, Fengjuan; Giraud, Albert; Sevostianov, Igor; Grgic, Dragan

Volume: 93

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Accession number: WOS:000358092300005

Document Type:Article

[A unified theoretical structure for modeling interstitial growth and muscle activation in soft 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%3A000353853500001)

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By: Rubin, M. B.; Safadi, M. M.; Jabareen, M.

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Accession number: WOS:000353853500001

Document Type:Article

[Love-type wave propagation in a piezoelectric structure with irregularity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319900003)

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By: Singh, Abhishek Kumar; Kumar, Santan; Chattopadhyay, Amares

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Accession number: WOS:000351319900003

Document Type:Article

[Some simple explicit results for the elastic dielectric properties and stability of layered composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319800003)

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By: Spinelli, Stephen A.; Lopez-Pamies, Oscar

Volume: 88

Page: 15-28

Accession number: WOS:000351319800003

Document Type:Article

[Mathematical models for fluids with pressure-dependent viscosity flowing in porous 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%3A000348746200009)

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By: Fusi, Lorenzo; Farina, Angiolo; Rosso, Fabio

Volume: 87

Page: 110-118

Accession number: WOS:000348746200009

Document Type:Article

[An anisotropic hyperelastic constitutive model for short glass fiber-reinforced polyamide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381543900018)

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By: Chebbi, E.; Wali, M.; Dammak, F.

Volume: 106

Page: 262-272

Accession number: WOS:000381543900018

Document Type:Article

[Asymptotic analysis of bilinear oscillators with preload](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381543900009)

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By: Guzek, Agata; Dyskin, Arcady V.; Pasternak, Elena; Shufrin, Igor

Volume: 106

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Accession number: WOS:000381543900009

Document Type:Article

[On the overall viscoelastic behavior of graphene/polymer nanocomposites with imperfect 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%3A000378456300004)

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By: Hashemi, Roohollah

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Accession number: WOS:000378456300004

Document Type:Article

[On the overall yielding of an isotropic porous material with a matrix obeying a non-quadratic criterion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377736700002)

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By: Soare, Stefan C.

Volume: 104

Page: 5-19

Accession number: WOS:000377736700002

Document Type:Article

[Thermo-electro-elastic analysis of functionally graded piezoelectric shells of revolution: Governing equations and solutions for some simple cases](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377736700004)

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By: Dehghan, Mehdi; Nejad, Mohammad Zamani; Moosaie, Amin

Volume: 104

Page: 34-61

Accession number: WOS:000377736700004

Document Type:Article

[Energy of dislocation 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%3A000376553000004)

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By: Berdichevsky, Victor

Volume: 103

Page: 35-44

Accession number: WOS:000376553000004

Document Type:Article

[3D couple-stress moduli of porous polymeric biomaterials using mu CT image stack and FE characterization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371104100003)

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By: Goda, Ibrahim; Rahouadj, Rachid; Ganghoffer, Jean-Francois; Kerdjoudj, Halima; Siad, Larbi

Volume: 100

Page: 25-44

Accession number: WOS:000371104100003

Document Type:Article

[Electro-thermoelasticity theory with memory-dependent derivative heat 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%3A000369208800003)

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By: Ezzat, Magdy A.; El Karamany, Ahmed S.; El-Bary, A. A.

Volume: 99

Page: 22-38

Accession number: WOS:000369208800003

Document Type:Article

[Effect of the interphase zone on the conductivity or diffusivity of a particulate composite using Maxwell's homogenization method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300005)

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By: Lutz, Melanie P.; Zimmerman, Robert W.

Volume: 98

Page: 51-59

Accession number: WOS:000367762300005

Document Type:Article

[Effect of asperities on stress dependency of elastic properties of cracked rocks](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300011)

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By: Glubokovskikh, Stanislav; Gurevich, Boris; Lebedev, Maxim; Mikhaltsevitch, Vassily; Tan, Samantha

Volume: 98

Page: 116-125

Accession number: WOS:000367762300011

Document Type:Article

[Motion by mean curvature of curves on surfaces using the Allen-Cahn equation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365373300012)

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By: Choi, Yongho; Jeong, Darae; Lee, Seunggyu; Yoo, Minhyun; Kim, Junseok

Volume: 97

Page: 126-132

Accession number: WOS:000365373300012

Document Type:Article

[Stable disarrangement phases arising from expansion/contraction or from simple shearing of a model granular medium](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364265100007)

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By: Deseri, L.; Owen, D. R.

Volume: 96

Page: 111-130

Accession number: WOS:000364265100007

Document Type:Article

[Constitutive modeling of the mechanics associated with triple shape memory 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%3A000364265100006)

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By: Moon, S.; Cui, F.; Rao, I. J.

Volume: 96

Page: 86-110

Accession number: WOS:000364265100006

Document Type:Article

[On some aspects of material behavior relating microstructure and ultrasonic higher harmonic 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%3A000359031700003)

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Volume: 94

Page: 59-70

Accession number: WOS:000359031700003

Document Type:Article

[The role of constitutive relation in the stability of hyper-elastic spherical membranes subjected to dynamic inflation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358092300003)

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By: Rodriguez-Martinez, J. A.; Fernandez-Saez, J.; Zaera, R.

Volume: 93

Page: 31-45

Accession number: WOS:000358092300003

Document Type:Article

[Analytical solutions to the axisymmetric elasticity and thermoelasticity problems for an arbitrarily inhomogeneous 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%3A000356124400001)

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By: Tokovyy, Yuriy; Ma, Chien-Ching

Volume: 92

Page: 1-17

Accession number: WOS:000356124400001

Document Type:Article

[A multilayer film coating with slightly curved boundary](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319900004)

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By: Grekov, M. A.; Kostyrko, S. A.

Volume: 89

Page: 61-74

Accession number: WOS:000351319900004

Document Type:Article

[Closed-form solutions for inhomogeneous states of a slender 3-D SMA cylinder undergoing stress-induced phase transitions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319800005)

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By: Song, Zilong; Dai, Hui-Hui

Volume: 88

Page: 40-63

Accession number: WOS:000351319800005

Document Type:Article

[Transient transport of heat, mass, and momentum in paperboard including dynamic phase change of 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%3A000387627700004)

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By: Askfelt, Henrik; Alexandersson, Marcus; Ristinmaa, Matti

Volume: 109

Page: 54-72

Accession number: WOS:000387627700004

Document Type:Article

[Indentation response of piezoelectric films under frictional 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%3A000383309200004)

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By: Rodriguez-Tembleque, Luis; Saez, Andres; Aliabadi, M. H.

Volume: 107

Page: 36-53

Accession number: WOS:000383309200004

Document Type:Article

[An asymptotically exact theory of smart sandwich shells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381543900013)

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By: Le, Khanh Chau; Yi, Jeong-Hun

Volume: 106

Page: 179-198

Accession number: WOS:000381543900013

Document Type:Article

[Effective thermal properties of an aluminum matrix composite with coated diamond inhomogeneities](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381543900010)

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By: Anisimova, Maria; Knyazeva, Anna; Sevostianov, Igor

Volume: 106

Page: 142-154

Accession number: WOS:000381543900010

Document Type:Article

[Determination of pressure data from velocity data with a view toward its application in cardiovascular mechanics. Part 1. Theoretical considerations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378456300008)

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By: Svihlova, H.; Hron, J.; Malek, J.; Rajagopal, K. R.; Rajagopal, K.

Volume: 105

Page: 108-127

Accession number: WOS:000378456300008

Document Type:Article

[Exploring the source of non-locality in the Euler-Bernoulli and Timoshenko beam 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%3A000377736700009)

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By: Sarkar, Saikat; Reddy, J. N.

Volume: 104

Page: 110-115

Accession number: WOS:000377736700009

Document Type:Article

[Action of a smooth flat charged punch on the piezoelectric half-space possessing symmetry of class 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%3A000376553000007)

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By: Berndt, Edward A.; Sevostianov, Igor

Volume: 103

Page: 77-96

Accession number: WOS:000376553000007

Document Type:Article

[Role of fluid injection in the evolution of fractured reservoirs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376553000005)

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By: Berryman, James G.

Volume: 103

Page: 45-58

Accession number: WOS:000376553000005

Document Type:Article

[Unphysical properties of the rotation tensor estimated by least squares optimization with specific application to biomechanics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376553000002)

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By: Rubin, M. B.; Solav, D.

Volume: 103

Page: 11-18

Accession number: WOS:000376553000002

Document Type:Article

[Multiplicative magneto-elasticity of magnetosensitive polymers incorporating micromechanically-based network kernels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375176100008)

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By: Ethiraj, G.; Miehe, C.

Volume: 102

Page: 93-119

Accession number: WOS:000375176100008

Document Type:Article

[Experimental investigations and constitutive modeling of bitumen stabilized 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%3A000375176100005)

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By: Nivedya, M. K.; Ravindran, Parag; Krishnan, J. Murali

Volume: 102

Page: 36-54

Accession number: WOS:000375176100005

Document Type:Article

[A numerical study of isotropic and anisotropic constitutive models with relevance to healthy and unhealthy cerebral arterial 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%3A000372940900011)

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By: Tricerri, Paolo; Dede, Luca; Gambaruto, Alberto; Quarteroni, Alfio; Sequeira, Adelia

Volume: 101

Page: 126-155

Accession number: WOS:000372940900011

Document Type:Article

[Thermodynamic formulation of a viscoplastic constitutive model capturing unusual loading rate sensitivity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371104100011)

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By: Ho, Kwangsoo

Volume: 100

Page: 162-170

Accession number: WOS:000371104100011

Document Type:Article

[Homogenization of multi-phase composites based on a revisited formulation of the multi-coated inclusion problem](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371104100009)

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By: Dinzart, F.; Sabar, H.; Berbenni, S.

Volume: 100

Page: 136-151

Accession number: WOS:000371104100009

Document Type:Article

[Strongly objective numerical implementation and generalization of a unified large inelastic deformation model with a smooth elastic-inelastic transition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364265100004)

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By: Jabareen, Mahmood

Volume: 96

Page: 46-67

Accession number: WOS:000364265100004

Document Type:Article

[Macroscopic behavior prediction of multiferroic composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700015)

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By: Jin, Ke; Aboudi, Jacob

Volume: 94

Page: 226-241

Accession number: WOS:000359031700015

Document Type:Article

[Modelling of microstructural effects on the mechanical behavior of ultrafine-grained Nickel using crystal plasticity finite element model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700014)

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By: Van-Tung Phan; The-Duong Nguyen; Quang-Hien Bui; Dirras, Guy

Volume: 94

Page: 212-225

Accession number: WOS:000359031700014

Document Type:Article

[An inextensible membrane at the interface of a transversely isotropic bi-material full-space](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353851000003)

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By: Kalantari, M.; Khojasteh, A.; Mohammadnezhad, H.; Rahimian, M.; Pak, R. Y. S.

Volume: 91

Page: 34-48

Accession number: WOS:000353851000003

Document Type:Article

[Modeling of the scattering response of particulate obscurant clouds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319900005)

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By: Zohdi, T. I.

Volume: 89

Page: 75-85

Accession number: WOS:000351319900005

Document Type:Article

[Method of potentials in elastostatics of solids with double 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%3A000351319800010)

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By: Iesan, D.

Volume: 88

Page: 118-127

Accession number: WOS:000351319800010

Document Type:Article

[A method for characterisation of the static elastic properties of the porous frame of orthotropic open-cell foams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346459200005)

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By: Van der Kelen, Christophe; Cuenca, Jacques; Goransson, Peter

Volume: 86

Page: 44-59

Accession number: WOS:000346459200005

Document Type:Article

[Transient motions of elasto-viscoplastic thixotropic materials subjected to an imposed stress field and to stress-based free-surface boundary conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387627700009)

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By: Oishi, Cassio M.; Thompson, Roney L.; Martins, Fernando P.

Volume: 109

Page: 165-201

Accession number: WOS:000387627700009

Document Type:Article

[Dynamic interactions between double current-carrying nanowires immersed in a longitudinal magnetic field: Novel integro-surface energy-based 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%3A000383309200008)

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By: Kiani, Keivan

Volume: 107

Page: 98-133

Accession number: WOS:000383309200008

Document Type:Article

[Analytical solutions for elastic response of coated mesoporous materials to pore 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%3A000383309200006)

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By: Liu, Mingchao; Zhang, Yafei; Wu, Jian; Gan, Yixiang; Chen, C. Q.

Volume: 107

Page: 68-76

Accession number: WOS:000383309200006

Document Type:Article

[Modeling peristaltic flow in vessels equipped with valves: Implications for vasomotion in bat wing venules](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383309200001)

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By: Farina, A.; Fusi, L.; Fasano, A.; Ceretani, A.; Rosso, F.

Volume: 107

Page: 1-12

Accession number: WOS:000383309200001

Document Type:Article

[Singularities and wrinkling: The case of a concentrated force](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381543900016)

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By: Coman, Ciprian D.; Bassom, Andrew P.

Volume: 106

Page: 229-244

Accession number: WOS:000381543900016

Document Type:Article

[Determination of entropy for special classes of temperature-rate and strain-rate dependent inelastic 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%3A000381543900015)

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By: Khoeini, A.; Imam, A.

Volume: 106

Page: 220-228

Accession number: WOS:000381543900015

Document Type:Article

[Incremental constitutive models for elastoplastic materials undergoing finite deformations by using a four-dimensional formalism](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381543900014)

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By: Wang, Mingchuan; Panicaud, Benoit; Rouhaud, Emmanuelle; Kerner, Richard; Roos, Arjen

Volume: 106

Page: 199-219

Accession number: WOS:000381543900014

Document Type:Article

[Continuum dislocation theory accounting for redundant dislocations and Taylor hardening](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381543900011)

1

By: Le, K. C.; Sembiring, P.; Tran, T. N.

Volume: 106

Page: 155-167

Accession number: WOS:000381543900011

Document Type:Article

[On a continuum theory of dislocation 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%3A000381543900002)

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By: Berdichevsky, Victor L.

Volume: 106

Page: 10-28

Accession number: WOS:000381543900002

Document Type:Article

[On the connections between plasticity parameters and electrical conductivities for austenitic, ferritic, and semi-austenitic stainless steels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378456300003)

1

By: Kanaan, Ahmed; Mazloum, Aref; Sevostianov, Igor

Volume: 105

Page: 28-37

Accession number: WOS:000378456300003

Document Type:Article

[On the effective transport properties of heterogeneous 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%3A000377736700006)

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By: Sy-Tuan Nguyen; Duc-Chinh Pham; Minh-Ngoc Vu; Quy-Dong To

Volume: 104

Page: 75-86

Accession number: WOS:000377736700006

Document Type:Article

[Relationship between contact and crack problems for generally anisotropic bodies](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375176100004)

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By: Fabrikant, V. I.

Volume: 102

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Accession number: WOS:000375176100004

Document Type:Article

[Stress and dislocation distributions near a crack tip in ductile 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%3A000375176100002)

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By: Le, Khanh Chau; Van Nha Tran

Volume: 102

Page: 4-11

Accession number: WOS:000375176100002

Document Type:Article

[Nonlocal fluid mechanics description of solvation 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%3A000372940900009)

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By: Okada, Kanzo; Sugiyama, Masaru

Volume: 101

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Accession number: WOS:000372940900009

Document Type:Article

[Application of a microstrain continuum to size effects in bending and torsion of foams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372940900007)

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By: Huetter, Geralf

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Accession number: WOS:000372940900007

Document Type:Article

[Cattaneo-Vernotte equation versus Fourier thermoelastic hyperbolic heat equation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372940900004)

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Volume: 101

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Accession number: WOS:000372940900004

Document Type:Article

[On rheology of cross-linked polymers: 1. Slippage of polymer chains and its macroscopic modeling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371104100013)

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By: Berdichevsky, Victor L.; Herman, John N.

Volume: 100

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Document Type:Article

[The Lavrentiev-Ishlinsky problem at the initial stage of motion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300008)

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Volume: 98

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Accession number: WOS:000367762300008

Document Type:Article

[An Eulerian formulation of nonlinear thermomechanics and electrodynamics of moving anisotropic elastic 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%3A000365373300007)

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By: Rubin, M. B.

Volume: 97

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Accession number: WOS:000365373300007

Document Type:Article

[Contact of rough surfaces: Conductance-stiffness connection for contacting transversely isotropic half-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%3A000365373300001)

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By: Kuzkin, Vitaly A.; Kachanov, Mark

Volume: 97

Page: 1-5

Accession number: WOS:000365373300001

Document Type:Article

[Biot's problem for a Biot 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%3A000365373300013)

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By: Selvadurai, A. P. S.; Shi, Li

Volume: 97

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Accession number: WOS:000365373300013

Document Type:Article

[A remark on non-local theories of elasticity, piezoelectric materials etc](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365373300009)

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By: Atkinson, Colin

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Accession number: WOS:000365373300009

Document Type:Article

[Effect of stress-softening on the ballooning motion of hyperelastic strings](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364265100002)

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By: Bhattacharyya, Ranjan; Sarangi, Somnath; Samantaray, Arun K.

Volume: 96

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Accession number: WOS:000364265100002

Document Type:Article

[Dislocation structure during microindentation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700013)

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By: Baitsch, M.; Le, K. C.; Tran, T. M.

Volume: 94

Page: 195-211

Accession number: WOS:000359031700013

Document Type:Article

[Micromechanical investigations of polymer matrix composites with shape memory alloy reinforcement](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700012)

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By: Tang, Tian; Felicelli, Sergio D.

Volume: 94

Page: 181-194

Accession number: WOS:000359031700012

Document Type:Article

[Micromechanical models for time-dependent multiphysics responses of polymer matrix smart composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700011)

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By: Tang, Tian; Felicelli, Sergio D.

Volume: 94

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Accession number: WOS:000359031700011

Document Type:Article

[Effective elastic properties of a particulate composite with transversely-isotropic 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%3A000359031700009)

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By: Vilchevskaya, Elena; Sevostianov, Igor

Volume: 94

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Accession number: WOS:000359031700009

Document Type:Article

[Theoretical and experimental study of the stability of a soap film spanning a flexible loop](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700005)

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By: Biria, Aisa; Fried, Eliot

Volume: 94

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Accession number: WOS:000359031700005

Document Type:Article

[On the isotropic and anisotropic viscosity of suspensions containing particles of diverse shapes and orientations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700004)

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By: Kachanov, Mark; Abedian, Behrouz

Volume: 94

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Accession number: WOS:000359031700004

Document Type:Article

[The effect of photodegradation on effective properties of polymeric thin films: A micromechanical homogenization 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%3A000359031700001)

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By: Zhang, Chao; Waksmanski, Natalie; Wheeler, Vincent M.; Pan, Ernian; Larsen, Ross E.

Volume: 94

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Accession number: WOS:000359031700001

Document Type:Article

[The application of the fractional calculus model for dispersion and absorption in dielectrics I. Terahertz waves](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358092300001)

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Volume: 93

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Document Type:Article

[Dispersion of Rayleigh waves in weakly anisotropic media with vertically-inhomogeneous initial stress](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356124400005)

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By: Tanuma, Kazumi; Man, Chi-Sing; Chen, Yue

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Document Type:Article

[A complete frictional contact: The transition from normal load to sliding](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356124400002)

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By: Flicek, R. C.; Ramesh, R.; Hills, D. A.

Volume: 92

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Document Type:Article

[Action of body forces in tumor growth](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319900002)

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Volume: 89

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Accession number: WOS:000351319900002

Document Type:Article

[Modeling fracture in the context of a strain-limiting theory of elasticity: A single plane-strain crack](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319800007)

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By: Gou, K.; Mallikarjuna, M.; Rajagopal, K. R.; Walton, J. R.

Volume: 88

Page: 73-82

Accession number: WOS:000351319800007

Document Type:Article

[Effective antiplane shear wave speed in 2D periodic piezoelectric 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%3A000351319800004)

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Accession number: WOS:000351319800004

Document Type:Article

[On the determination of semi-inverse solutions of nonlinear Cauchy elasticity: The not so simple case of anti-plane shear](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319800002)

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Volume: 88

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[A note on the unbounded creeping flow past a sphere for Newtonian fluids with pressure-dependent viscosity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346459200001)

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By: Housiadas, Kostas D.; Georgiou, Georgios C.; Tanner, Roger I.

Volume: 86

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Document Type:Article

[Extension of the elasticity-conductivity cross-property connections to impedance of plane microcracked structural 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%3A000348746200008)

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By: Armstrong, Terry W.; Sevostianov, Igor

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Document Type:Article

[Dielectric elastomers: Asymptotically-correct three-dimensional displacement 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%3A000348746200001)

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By: Gupta, Ramesh; Harursampath, Dineshkumar

Volume: 87

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Accession number: WOS:000348746200001

Document Type:Article

[Simple shear of a compressible quasilinear viscoelastic 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%3A000351319800006)

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By: De Pascalis, Riccardo; Abrahams, I. David; Parnell, William J.

Volume: 88

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Accession number: WOS:000351319800006

Document Type:Article

[A problem on slender nearly cylindrical shells suggested by Torroja's 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%3A000351319800008)

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By: Diaz, J. I.; Sanchez-Palencia, E.

Volume: 88

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Accession number: WOS:000351319800008

Document Type:Article

[Spatial stability in linear thermoelasticity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319800009)

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By: Knops, R. J.; Quintanilla, R.

Volume: 88

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Accession number: WOS:000351319800009

Document Type:Article

[A reformulation of the Caginalp phase-field system based on the Maxwell-Cattaneo law](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351319800011)

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By: Miranville, Alain

Volume: 88

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Accession number: WOS:000351319800011

Document Type:Article

[Elastic behavior of random polycrystals composed of anisotropic alpha-quartz (SiO2) 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%3A000351319900008)

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By: Berryman, James G.

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Document Type:Article

[Crack opening displacements under remote stress gradient: Derivation with a canonical basis of sixth order tensors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353851000001)

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Volume: 91

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Document Type:Article

[Mathematical modeling of structural and near-surface non-homogeneities in thermoelastic thin 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%3A000353851000004)

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Volume: 91

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Accession number: WOS:000353851000004

Document Type:Article

[Nonlinear effects in composite cylinders: relations and dependence on inhomogeneities](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353853500002)

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[Computational evaluation of effective stress relaxation behavior of polymer composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353853500005)

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Document Type:Article

[Scattering of acoustic waves on a planar screen of arbitrary shape: Direct and inverse problems](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356124400003)

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By: Kanaun, S.

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Accession number: WOS:000356124400003

Document Type:Article

[A note on overstress and over-thermodynamic forces derivation for elasto-viscoplastic media: Thermodynamic analysis of an isothermal relaxation 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%3A000358092300002)

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By: dos Santos, Tiago; Ramos, Gustavo Roberto; Rossi, Rodrigo

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Accession number: WOS:000358092300002

Document Type:Article

[A model of a breathing crack with relaxation damping](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358092300004)

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By: Argatov, I.; Popov, V. L.; Rademacher, T.; Zehn, M.

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Accession number: WOS:000358092300004

Document Type:Article

[Electroosmotic flow in the vicinity of a conducting obstacle mounted on the surface of a wide microchannel](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000359031700008)

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By: Bera, Subrata; Bhattacharyya, S.

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Accession number: WOS:000359031700008

Document Type:Article

[Modeling the Mullins effect in elastomers swollen by palm biodiesel](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361261800001)

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By: Andriyana, Andri; Loo, Mei Sze; Chagnon, Gregory; Verron, Erwan; Ch'ng, Shiau Ying

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Accession number: WOS:000361261800001

Document Type:Article

[A variational asymptotic theory of composite laminated plates: Hybrid transformation to Reissner-Mindlin model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365373300011)

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By: Zhong Yifeng; Qing Wenzheng; Yu, Wenbin; Yang Wenwen; Jiao Lichao

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Accession number: WOS:000365373300011

Document Type:Article

[The anti-plane shear elastostatic fields near the wedge vertex of an incompressible hyperelastic bimaterial](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000365373300002)

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By: Karoui, A.; Arfaoui, M.; Trifa, M.; Hassis, H.

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Accession number: WOS:000365373300002

Document Type:Article

[Polarization approximations for macroscopic conductivity of isotropic multicomponent 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%3A000365373300004)

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By: Pham, D. C.; T. K. Nguyen

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Accession number: WOS:000365373300004

Document Type:Article

[Phase transformations surfaces and exact energy lower bounds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300013)

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Accession number: WOS:000367762300013

Document Type:Article

[Acoustic field generated by an axisymmetric source embedded in a fluid-filled cylindrical hole located in a micro-cracked medium](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300002)

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Document Type:Article

[Influence of the multiscale distribution of particles on elastic properties of concrete](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300006)

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Document Type:Article

[Bifocal earthquake source and its shock 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%3A000367762300007)

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By: Nikolaevskiy, Victor N.

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Accession number: WOS:000367762300007

Document Type:Article

[Overall thermal conductivity of a fiber reinforced composite with partially debonded inhomogeneities](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300009)

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Document Type:Article

[Effective conductivity of matrix composites and foam materials by self-consistent field method using commercial FEA software](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367762300010)

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By: Kochekseraii, Sadegh Babaii

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Document Type:Article

[Relations between grain boundary character distribution, misorientation distribution and two-point orientation distribution](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369208800001)

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By: Berdichevsky, Victor L.

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Document Type:Article

[Heterogeneous perturbation of fluid density and solid elastic strain in consolidating porous 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%3A000369208800005)

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Accession number: WOS:000369208800005

Document Type:Article

[Modeling and efficient simulation of the deposition of particulate flows onto compliant 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%3A000369208800006)

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By: Zohdi, T. I.

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Document Type:Article

[Self-energy of dislocations and dislocation pileups](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371104100001)

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By: Khanh Chau Le

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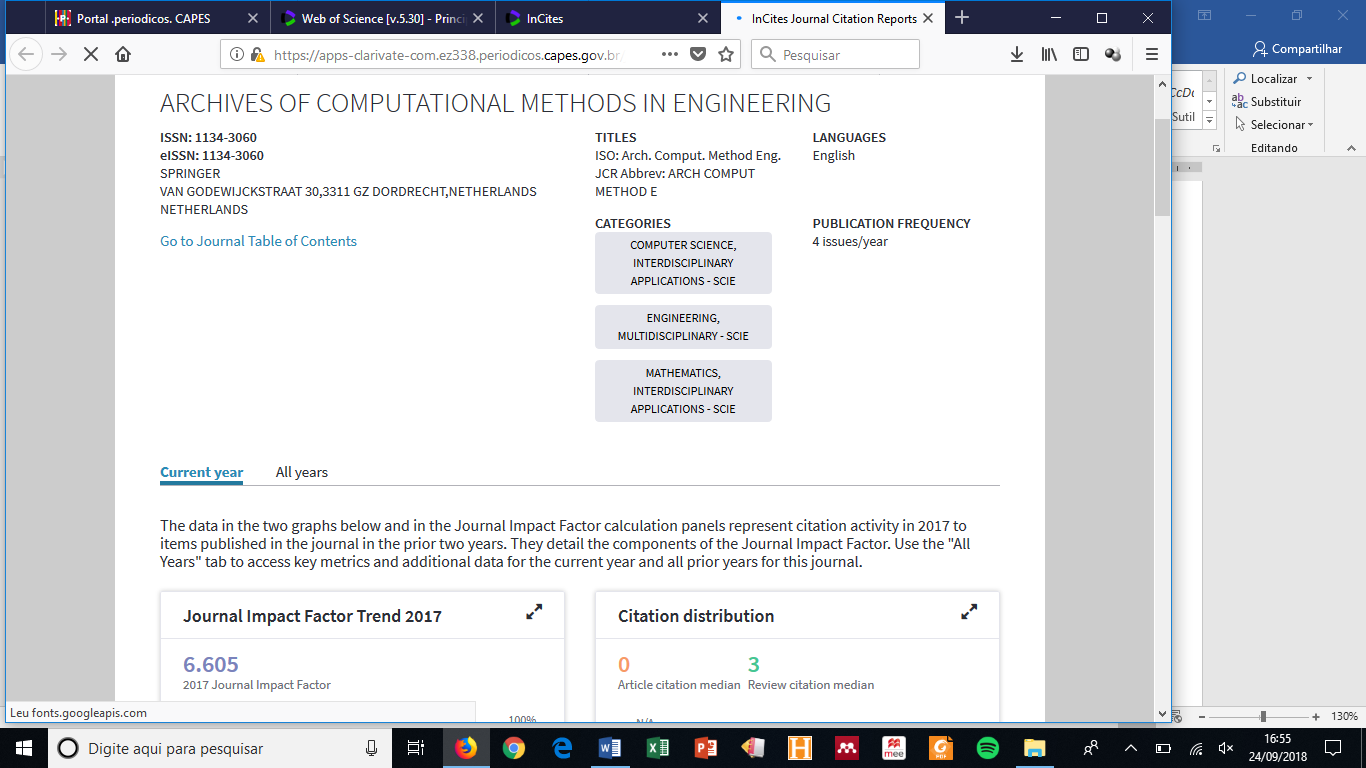
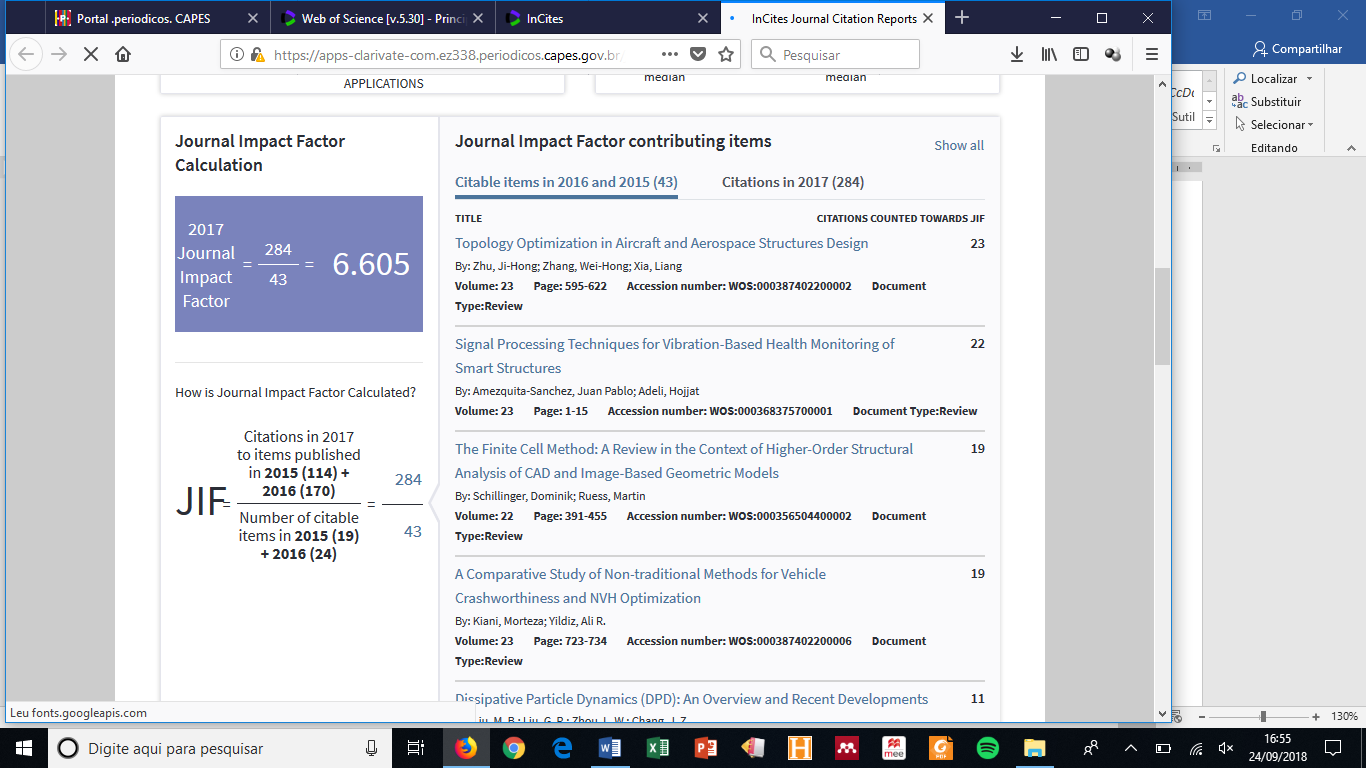
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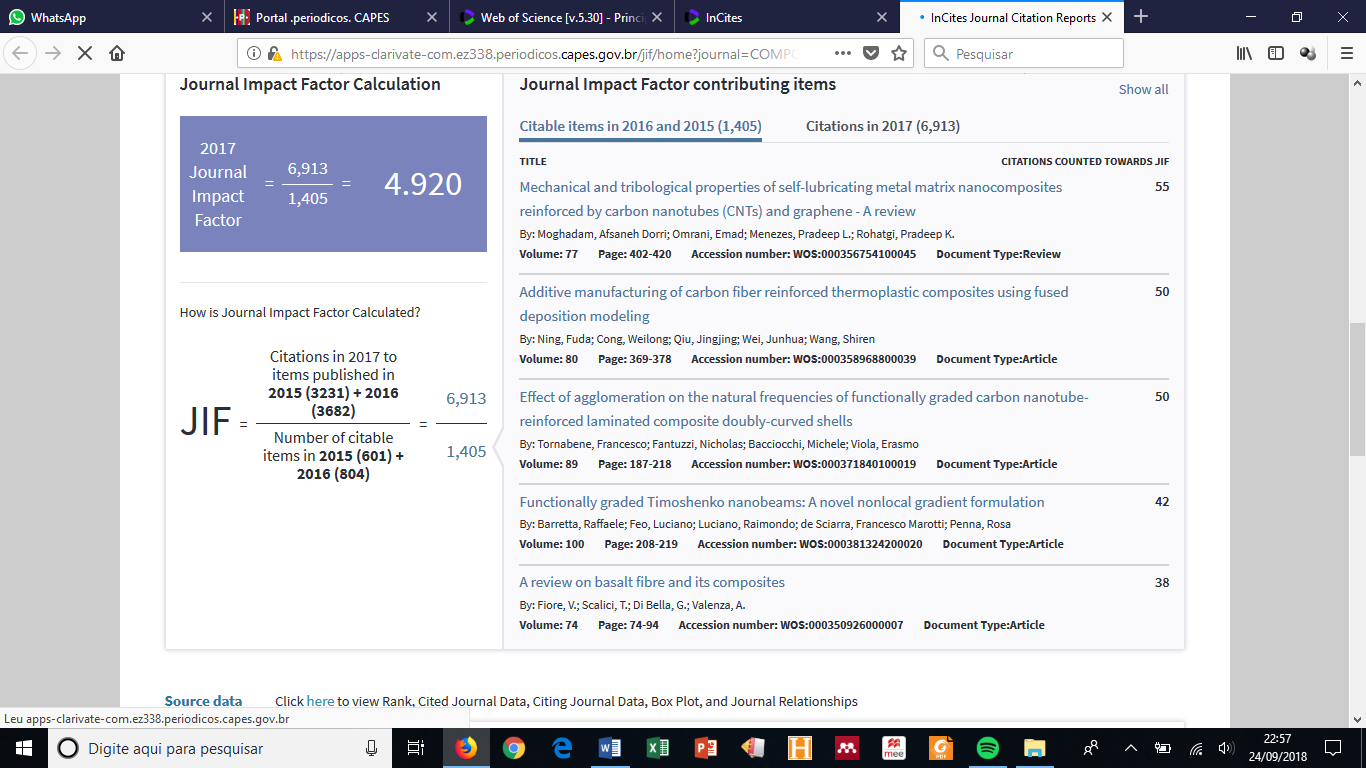
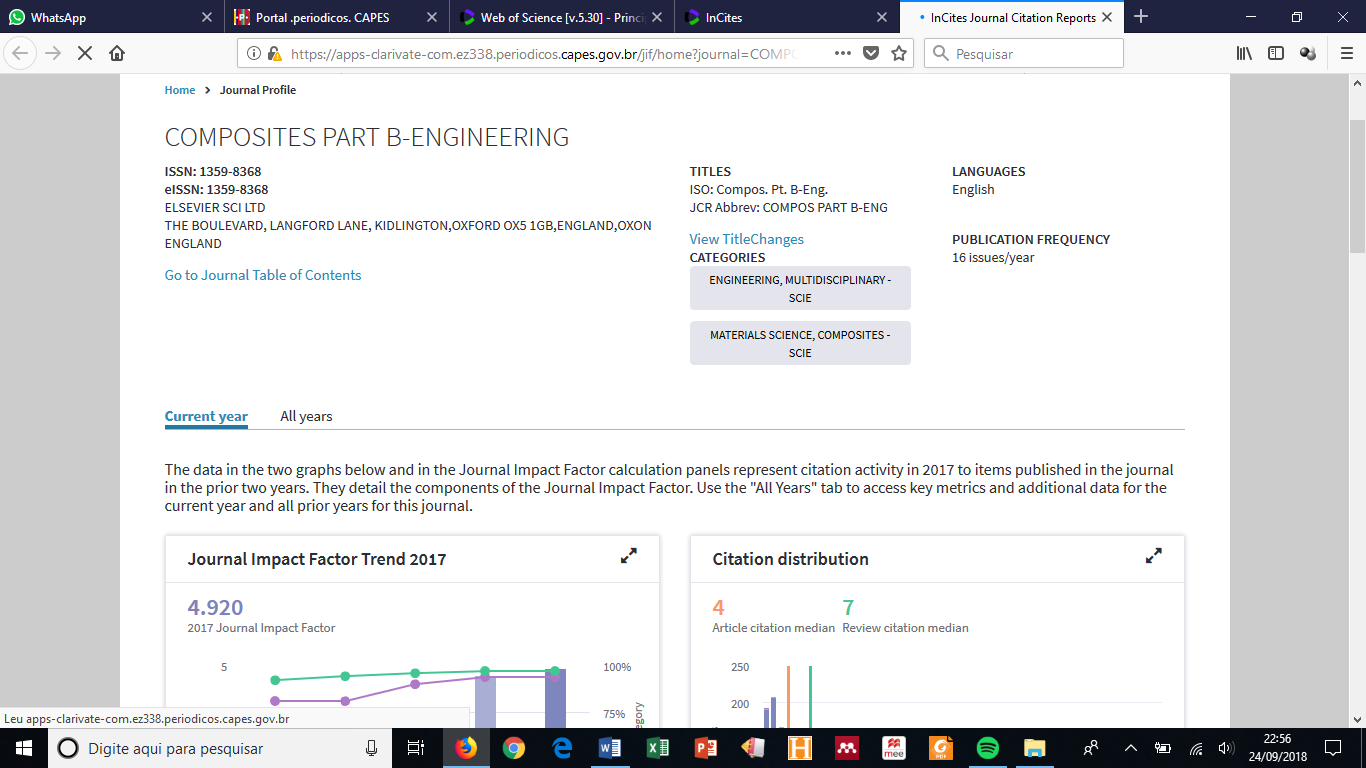
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[On the reinforcement of cement mortars through 3D printed polymeric and metallic fibers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372559900008)

17

By: Farina, I.; Fabbrocino, F.; Carpentieri, G.; Modano, M.; Amendola, A.; et al.

Volume: 90

Page: 76-85

Accession number: WOS:000372559900008

Document Type:Article

[Analytical solution for nonlinear postbuckling of functionally graded carbon nanotube-reinforced composite shells with piezoelectric 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%3A000372559900028)

17

By: Ansari, R.; Pourashraf, T.; Gholami, R.; Shahabodini, A.

Volume: 90

Page: 267-277

Accession number: WOS:000372559900028

Document Type:Article

[Analysis of laminated CNT reinforced functionally graded plates using the element-free kp-Ritz method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364884000020)

17

By: Lei, Z. X.; Zhang, L. W.; Liew, K. M.

Volume: 84

Page: 211-221

Accession number: WOS:000364884000020

Document Type:Article

[Thermal conductivity of polymer composites based on the length of multi-walled 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%3A000358808300051)

17

By: Kim, Hyun Su; Jang, Ji-un; Yu, Jaesang; Kim, Seong Yun

Volume: 79

Page: 505-512

Accession number: WOS:000358808300051

Document Type:Article

[Facile preparation of graphene nanoribbon filled silicone rubber nanocomposite with improved thermal and mechanical 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%3A000347266600028)

17

By: Gan, Lu; Shang, Songmin; Yuen, Chun Wah Marcus; Jiang, Shou-xiang; Luo, Nicy Mei

Volume: 69

Page: 237-242

Accession number: WOS:000347266600028

Document Type:Article

[Some analytical solutions of functionally graded Kirchhoff 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%3A000344823700030)

17

By: Apuzzo, Andrea; Barretta, Raffaele; Luciano, Raimondo

Volume: 68

Page: 266-269

Accession number: WOS:000344823700030

Document Type:Article

[Damage classification in carbon fibre composites using acoustic emission: A comparison of three 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%3A000344823700047)

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By: McCrory, John P.; Al-Jumaili, Safaa Kh.; Crivelli, Davide; Pearson, Matthew R.; Eaton, Mark J.; et al.

Volume: 68

Page: 424-430

Accession number: WOS:000344823700047

Document Type:Article

[In-plane material inhomogeneity of functionally graded plates: A higher-order shear deformation plate isogeometric 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%3A000386409200028)

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By: Yin, Shuohui; Yu, Tiantang; Tinh Quoc Bui; Zheng, Xuejun; Tanaka, Satoyuki

Volume: 106

Page: 273-284

Accession number: WOS:000386409200028

Document Type:Article

[Vibration of functionally graded carbon nanotubes reinforced composite truncated conical panels with elastically restrained against rotation edges in thermal 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%3A000386409200026)

16

By: Jooybar, Najmeh; Malekzadeh, Parviz; Fiouz, Alireza

Volume: 106

Page: 242-261

Accession number: WOS:000386409200026

Document Type:Article

[Enhanced thermal conductivity and satisfactory flame retardancy of epoxy/alumina composites by combination with graphene nanoplatelets and magnesium hydroxide](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000379106400015)

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By: Guan, Fang-Lan; Gui, Chen-Xi; Zhang, Hao-Bin; Jiang, Zhi-Guo; Jiang, Yue; et al.

Volume: 98

Page: 134-140

Accession number: WOS:000379106400015

Document Type:Article

[Planar auxeticity from elliptic inclusions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376052600038)

16

By: Pozniak, Artur A.; Wojciechowski, Krzysztof W.; Grima, Joseph N.; Mizzi, Luke

Volume: 94

Page: 379-388

Accession number: WOS:000376052600038

Document Type:Article

[Carbon fibre/graphene foam/polymer composites with enhanced mechanical and thermal 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%3A000376052600011)

16

By: Zhao, Yun-Hong; Zhang, Ya-Fei; Bai, Shu-Lin; Yuan, Xiao-Wen

Volume: 94

Page: 102-108

Accession number: WOS:000376052600011

Document Type:Article

[Optimal shape control of CNT reinforced functionally graded composite plates using piezoelectric patches](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367120500016)

16

By: Zhang, L. W.; Song, Z. G.; Liew, K. M.

Volume: 85

Page: 140-149

Accession number: WOS:000367120500016

Document Type:Article

[Nonlinear analysis of forced vibration of nonlocal third-order shear deformable beam model of magneto-electro-thermo elastic nanobeams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363352700025)

16

By: Ansari, R.; Hasrati, E.; Gholami, R.; Sadeghi, F.

Volume: 83

Page: 226-241

Accession number: WOS:000363352700025

Document Type:Article

[Numerical and exact models for free vibration analysis of cylindrical and spherical shell panels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361406300021)

16

By: Tornabene, F.; Brischetto, S.; Fantuzzi, N.; Viola, E.

Volume: 81

Page: 231-250

Accession number: WOS:000361406300021

Document Type:Article

[Preparation of reduced graphene oxide-NiFe2O4 nanocomposites for the electrocatalytic oxidation of hydrazine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358808300063)

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By: Uddin, Md. Elias; Kim, Nam Hoon; Kuila, Tapas; Lee, Seung Hee; Hui, David; et al.

Volume: 79

Page: 649-659

Accession number: WOS:000358808300063

Document Type:Article

[Torsion of functionally graded nonlocal viscoelastic circular nanobeams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349729300024)

16

By: Barretta, Raffaele; Feo, Luciano; Luciano, Raimondo

Volume: 72

Page: 217-222

Accession number: WOS:000349729300024

Document Type:Article

[Evaluation of the mechanical behavior of epoxy composite reinforced with Kevlar plain fabric and glass/Kevlar hybrid fabric](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348951700001)

16

By: Valenca, Silvio Leonardo; Griza, Sandro; de Oliveira, Vandalucia Gomes; Sussuchi, Eliana Midori; Carvalho de Cunha, Frederico Guilherme

Volume: 70

Page: 1-8

Accession number: WOS:000348951700001

Document Type:Article

[Processing of graphene nanoribbon based hybrid composite for electromagnetic shielding](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000347266600054)

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By: Joshi, Anupama; Bajaj, Anil; Singh, Rajvinder; Anand, Anoop; Alegaonkar, P. S.; et al.

Volume: 69

Page: 472-477

Accession number: WOS:000347266600054

Document Type:Article

[MLSDQ based on RBFs for the free vibrations of laminated composite doubly-curved shells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380417600004)

15

By: Tornabene, Francesco; Fantuzzi, Nicholas; Bacciocchi, Michele; Neves, Ana M. A.; Ferreira, Antonio J. M.

Volume: 99

Page: 30-47

Accession number: WOS:000380417600004

Document Type:Article

[A unified solution for the vibration analysis of FGM doubly-curved shells of revolution with arbitrary boundary conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371840100021)

15

By: Jin, Guoyong; Ye, Tiangui; Wang, Xueren; Miao, Xuhong

Volume: 89

Page: 230-252

Accession number: WOS:000371840100021

Document Type:Article

[Nondestructive evaluation of forced delamination in glass fiber-reinforced composites by terahertz and ultrasonic waves](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358808300065)

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By: Dong, Junliang; Kim, Byungchil; Locquet, Alexandre; McKeon, Peter; Declercq, Nico; et al.

Volume: 79

Page: 667-675

Accession number: WOS:000358808300065

Document Type:Article

[A size-dependent third-order shear deformable plate model incorporating strain gradient effects for mechanical analysis of functionally graded circular/annular microplates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358808300056)

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By: Zhang, Bo; He, Yuming; Liu, Dabiao; Lei, Jian; Shen, Lei; et al.

Volume: 79

Page: 553-580

Accession number: WOS:000358808300056

Document Type:Article

[Vibration and buckling analysis of functionally graded sandwich beams by a new higher-order shear deformation 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%3A000355352400028)

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By: Trung-Kien Nguyen; Nguyen, T. Truong-Phong; Vo, Thuc P.; Huu-Tai Thai

Volume: 76

Page: 273-285

Accession number: WOS:000355352400028

Document Type:Article

[Tensile behaviour of mortar-based composites for externally bonded reinforcement 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%3A000344823700045)

14

By: De Santis, Stefano; de Felice, Gianmarco

Volume: 68

Page: 401-413

Accession number: WOS:000344823700045

Document Type:Article

[Piezoresistive properties of resin reinforced with carbon nanotubes for health-monitoring of aircraft primary 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%3A000387523500019)

14

By: Vertuccio, L.; Guadagno, L.; Spinelli, G.; Lamberti, P.; Tucci, V.; et al.

Volume: 107

Page: 192-202

Accession number: WOS:000387523500019

Document Type:Article

[Mechanical properties of carbon nanotubes based polymer composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383936200012)

14

By: Tarfaoui, M.; Lafdi, K.; El Moumen, A.

Volume: 103

Page: 113-121

Accession number: WOS:000383936200012

Document Type:Article

[Strong Formulation Isogeometric Analysis (SFIGA) for laminated composite arbitrarily shaped 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%3A000378191500016)

14

By: Fantuzzi, Nicholas; Tornabene, Francesco

Volume: 96

Page: 173-203

Accession number: WOS:000378191500016

Document Type:Article

[Mechanical behavior of functionally graded sandwich plates on elastic foundation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378191500014)

14

By: Akavci, S. S.

Volume: 96

Page: 136-152

Accession number: WOS:000378191500014

Document Type:Article

[Elasticity solution of functionally graded carbon nanotube-reinforced composite cylindrical panel subjected to thermo mechanical load](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375816300017)

14

By: Alibeigloo, A.

Volume: 87

Page: 214-226

Accession number: WOS:000375816300017

Document Type:Article

[Reissner's Mixed Variational Theorem and variable kinematics in the modelling of laminated composite and FGM doubly-curved shells](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371840100036)

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By: Fazzolari, Fiorenzo A.

Volume: 89

Page: 408-423

Accession number: WOS:000371840100036

Document Type:Article

[Multifunctional nanocomposites between natural rubber and polyvinyl pyrrolidone modified 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%3A000364884000013)

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By: Zhang, Xumin; Wang, Jingyi; Jia, Hongbing; You, Shiyu; Xiong, Xiaogang; et al.

Volume: 84

Page: 121-129

Accession number: WOS:000364884000013

Document Type:Article

[Effect of the addition of milled carbon fiber as a secondary filler on the electrical conductivity of graphite/epoxy composites for electrical conductive 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%3A000363352700011)

14

By: Zakaria, Mohd Yusuf; Sulong, Abu Bakar; Sahari, Jaafar; Suherman, Hendra

Volume: 83

Page: 75-80

Accession number: WOS:000363352700011

Document Type:Article

[Improvement on the properties of polylactic acid (PLA) using bamboo charcoal particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361406300002)

14

By: Ho, Mei-po; Lau, Kin-Tak; Wang, Hao; Hui, David

Volume: 81

Page: 14-25

Accession number: WOS:000361406300002

Document Type:Article

[Exact solution for free vibration of coupled double viscoelastic graphene sheets by viscoPasternak medium](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356988000037)

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By: Hashemi, Sh. Hosseini; Mehrabani, H.; Ahmadi-Savadkoohi, A.

Volume: 78

Page: 377-383

Accession number: WOS:000356988000037

Document Type:Article

[Evaluation of PLA-lignin bioplastics properties before and after accelerated weathering](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000347266600039)

13

By: Spiridon, Iuliana; Leluk, Karol; Resmerita, Ana Maria; Darie, Raluca Nicoleta

Volume: 69

Page: 342-349

Accession number: WOS:000347266600039

Document Type:Article

[Influence of chitosan on mechanical, thermal, barrier and antimicrobial properties of PLA-biocomposites for food packaging](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383006600010)

13

By: Rapa, Maria; Mitelut, Amalia Carmen; Tanase, Elisabeta Elena; Grosu, Elena; Popescu, Paul; et al.

Volume: 102

Page: 112-121

Accession number: WOS:000383006600010

Document Type:Article

[Surface roughness effects on the reinforcement of cement mortars through 3D printed metallic fibers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000380417600029)

13

By: Farina, Ilenia; Fabbrocino, Francesco; Colangelo, Francesco; Feo, Luciano; Fraternali, Fernando

Volume: 99

Page: 305-311

Accession number: WOS:000380417600029

Document Type:Article

[Bond mechanism and bond strength of GFRP bars to concrete: A 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%3A000379106400007)

13

By: Yan, Fei; Lin, Zhibin; Yang, Mijia

Volume: 98

Page: 56-69

Accession number: WOS:000379106400007

Document Type:Article

[Enhanced electrochemical behavior and hydrophobicity of crystalline polyaniline@graphene nanocomposite synthesized at elevated 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%3A000375816300024)

13

By: Parveen, Nazish; Mahato, Neelima; Ansari, Mohd Omaish; Cho, Moo Hwan

Volume: 87

Page: 281-290

Accession number: WOS:000375816300024

Document Type:Article

[Determination of critical buckling loads of isotropic, FGM and laminated truncated conical panel](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376052600001)

13

By: Demir, Cigdem; Mercan, Kadir; Civalek, Omer

Volume: 94

Page: 1-10

Accession number: WOS:000376052600001

Document Type:Article

[Design and assembly of reduced graphene oxide/polyaniline/urchin-like mesoporous TiO2 spheres ternary composite and its application in 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%3A000374609400037)

13

By: Wang, Huihui; Ma, Li; Gan, Mengyu; Zhou, Tao; Sun, Xiaowu; et al.

Volume: 92

Page: 405-412

Accession number: WOS:000374609400037

Document Type:Article

[Influences of nano-particles on dynamic strength of ultra-high performance concrete](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374075100062)

13

By: Su, Yu; Li, Jun; Wu, Chengqing; Wu, Pengtao; Li, Zhong-Xian

Volume: 91

Page: 595-609

Accession number: WOS:000374075100062

Document Type:Article

[Mechanical properties of FRCM using carbon fabrics with different coating treatments](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370893500022)

13

By: Donnini, Jacopo; Corinaldesi, Valeria; Nanni, Antonio

Volume: 88

Page: 220-228

Accession number: WOS:000370893500022

Document Type:Article

[Electromagnetic shielding properties of graphene/acrylonitrile butadiene rubber nanocomposites for portable and flexible electronic 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%3A000370893500021)

13

By: Al-Ghamdi, Ahmed A.; Al-Ghamdi, Attieh A.; Al-Turki, Yusuf; Yakuphanoglu, F.; El-Tantawy, Farid

Volume: 88

Page: 212-219

Accession number: WOS:000370893500021

Document Type:Article

[On the thrust surface of unreinforced and FRP-/FRCM-reinforced masonry domes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363352700032)

13

By: Fabbrocino, Francesco; Farina, Ilenia; Berardi, Valentino Paolo; Ferreira, A. J. M.; Fraternali, Fernando

Volume: 83

Page: 297-305

Accession number: WOS:000363352700032

Document Type:Article

[New models for yield strength of polymer/clay 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%3A000350780700012)

13

By: Zare, Yasser

Volume: 73

Page: 111-117

Accession number: WOS:000350780700012

Document Type:Article

[Static stress analysis of carbon nano-tube reinforced composite (CNTRC) cylinder under non-axisymmetric thermo-mechanical loads and uniform electro-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%3A000344823700015)

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By: Arani, A. Ghorbanpour; Haghparast, E.; Maraghi, Z. Khoddami; Amir, S.

Volume: 68

Page: 136-145

Accession number: WOS:000344823700015

Document Type:Article

[Fe3C/helical carbon nanotube hybrid: Facile synthesis and spin-induced enhancement in microwave-absorbing 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%3A000387523500006)

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By: Tang, Hui; Jian, Xian; Wu, Biao; Liu, Shiyu; Jiang, Zhicheng; et al.

Volume: 107

Page: 51-58

Accession number: WOS:000387523500006

Document Type:Article

[Thermal conductivity of carbon nanotube and hexagonal boron nitride polymer composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381324200003)

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Volume: 100

Page: 19-30

Accession number: WOS:000381324200003

Document Type:Article

[Crush response of CFRP square tube filled with aluminum honeycomb](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000379106400041)

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By: Liu, Qiang; Mo, Zhengwei; Wu, Yinghan; Ma, Jingbo; Tsui, Gary Chi Pong; et al.

Volume: 98

Page: 406-414

Accession number: WOS:000379106400041

Document Type:Article

[Electromagnetic interference shielding effectiveness of nickel-plated MWCNTs/high-density polyethylene composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000379106400013)

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By: Yim, Yoon-Ji; Rhee, Kyong Yop; Park, Soo-Jin

Volume: 98

Page: 120-125

Accession number: WOS:000379106400013

Document Type:Article

[Predictions of J integral and tensile strength of clay/epoxy nanocomposites material using phase field model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375812200010)

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By: Msekh, Mohammed A.; Silani, M.; Jamshidian, M.; Areias, P.; Zhuang, X.; et al.

Volume: 93

Page: 97-114

Accession number: WOS:000375812200010

Document Type:Article

[A new semi-solid casting technique for fabricating SiC-reinforced Mg alloys matrix composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376052600018)

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Volume: 94

Page: 176-189

Accession number: WOS:000376052600018

Document Type:Article

[Enhanced electrical and mechanical properties of rubber/graphene film through layer-by-layer electrostatic 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%3A000372559900048)

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Volume: 90

Page: 457-464

Accession number: WOS:000372559900048

Document Type:Article

[Polymer composites made of multi-walled carbon nanotubes and graphene nano-sheets: Effects of sandwich structures on their electromagnetic interference shielding effectiveness](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371840100037)

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Volume: 89

Page: 424-431

Accession number: WOS:000371840100037

Document Type:Article

[Static analysis of functionally graded plates using new non-polynomial displacement fields via Carrera Unified Formulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371840100015)

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Volume: 89

Page: 127-142

Accession number: WOS:000371840100015

Document Type:Article

[PbTiO3/PbFe12O19 nanocomposites: Green synthesis through an eco-friendly 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%3A000367120500019)

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Volume: 85

Page: 170-175

Accession number: WOS:000367120500019

Document Type:Article

[Advanced biomaterials in hip joint arthroplasty. A review on polymer and ceramics composites as alternative bearings](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363352700030)

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Volume: 83

Page: 276-283

Accession number: WOS:000363352700030

Document Type:Review

[Effects of alkali treatment and elevated temperature on the mechanical properties of bamboo fibre-polyester composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358968800010)

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Volume: 80

Page: 73-83

Accession number: WOS:000358968800010

Document Type:Article

[Multiobjective design of viscoelastic laminated composite sandwich panels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356754100044)

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Volume: 77

Page: 391-401

Accession number: WOS:000356754100044

Document Type:Article

[Review on quality assurance along the CFRP value chain - Non-destructive testing of fabrics, preforms and CFRP by HF radio wave 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%3A000356754100053)

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Volume: 77

Page: 494-501

Accession number: WOS:000356754100053

Document Type:Review

[Glass transition evaluation of commercially available epoxy resins used for civil 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%3A000356754100052)

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Volume: 77

Page: 484-493

Accession number: WOS:000356754100052

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[Static analyses of FGM beams by various theories and finite 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%3A000349729300001)

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Volume: 72

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Accession number: WOS:000349729300001

Document Type:Article

[Investigation of mechanical and tribological behaviors of multilayer graphene reinforced Ni3Al matrix composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348951700015)

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Volume: 70

Page: 149-155

Accession number: WOS:000348951700015

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[Effect of moisture on the mechanical properties of CFRP-wood composite: An experimental and atomistic investigation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348889100008)

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By: Zhou, Ao; Tam, Lik-ho; Yu, Zechuan; Lau, Denvid

Volume: 71

Page: 63-73

Accession number: WOS:000348889100008

Document Type:Article

[Investigation of thermal conductivity and dielectric properties of LDPE-matrix composites filled with hybrid filler of hollow glass microspheres and nitride particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000347266600057)

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Volume: 69

Page: 496-506

Accession number: WOS:000347266600057

Document Type:Article

[Design criterion for fatigue strengthening of riveted beams in a 120-year-old railway metallic bridge using pre-stressed CFRP 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%3A000344823700001)

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Volume: 68

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Accession number: WOS:000344823700001

Document Type:Article

[Recycled polyolefins waste as aggregates for lightweight concrete](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386409200025)

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By: Colangelo, Francesco; Cioffi, Raffaele; Liguori, Barbara; Iucolano, Fabio

Volume: 106

Page: 234-241

Accession number: WOS:000386409200025

Document Type:Article

[Mechanical and flammability characterisations of biochar/polypropylene biocomposites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000386409200014)

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By: Das, Oisik; Bhattacharyya, Debes; Hui, David; Lau, Kin-Tak

Volume: 106

Page: 120-128

Accession number: WOS:000386409200014

Document Type:Article

[Poly(ionic liquid)-assisted reduction of graphene oxide to achieve high-performance composite 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%3A000386409200010)

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Volume: 106

Page: 81-87

Accession number: WOS:000386409200010

Document Type:Article

[Evaluation of electrical and photovoltaic behaviours as comparative of Au/n-GaAs (MS) diodes with and without pure and graphene (Gr)-doped polyvinyl alcohol (PVA) interfacial layer under dark and illuminated conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000379106400026)

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Volume: 98

Page: 260-268

Accession number: WOS:000379106400026

Document Type:Article

[Shear strengthening of full-scale RC T-beams using textile-reinforced mortar and textile-based anchors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376800400022)

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By: Tetta, Zoi C.; Koutas, Lampros N.; Bournas, Dionysios A.

Volume: 95

Page: 225-239

Accession number: WOS:000376800400022

Document Type:Article

[An element-free analysis of CNT-reinforced composite plates with column supports and elastically restrained edges under large deformation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000376800400003)

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By: Zhang, L. W.; Liew, K. M.; Jiang, Z.

Volume: 95

Page: 18-28

Accession number: WOS:000376800400003

Document Type:Article

[Effect of the morphology of thermally reduced graphite oxide on the mechanical and electrical properties of natural rubber 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%3A000375816300031)

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By: Aguilar-Bolados, Hector; Lopez-Manchado, Miguel A.; Brasero, Justo; Aviles, F.; Yazdani-Pedram, Mehrdad

Volume: 87

Page: 350-356

Accession number: WOS:000375816300031

Document Type:Article

[Modified strain gradient Reddy rectangular plate model for biaxial buckling and bending analysis of double-coupled piezoelectric polymeric nanocomposite reinforced by FG-SWNT](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000375816300012)

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By: Mohammadimehr, M.; Navi, B. Rousta; Arani, A. Ghorbanpour

Volume: 87

Page: 132-148

Accession number: WOS:000375816300012

Document Type:Article

[Experimental testing of basalt-fiber-reinforced polymer bars in concrete beams](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374075100023)

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By: Elgabbas, Fareed; Vincent, Patrick; Ahmed, Ehab A.; Benmokrane, Brahim

Volume: 91

Page: 205-218

Accession number: WOS:000374075100023

Document Type:Article

[The effect of silane coupling agent on the dynamic mechanical properties of iron sand/ natural rubber magnetorheological elastomers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372559900012)

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By: Khimi, S. Raa; Pickering, K. L.

Volume: 90

Page: 115-125

Accession number: WOS:000372559900012

Document Type:Article

[Functionalised graphene-multiwalled carbon nanotube hybrid poly(styrene-b-butadiene-b-styrene) 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%3A000372559900032)

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By: Tan, Qi Chau; Shanks, Robert A.; Hui, David; Kong, Ing

Volume: 90

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Accession number: WOS:000372559900032

Document Type:Article

[Numerical modelling of flax short fibre reinforced and flax fibre fabric reinforced polymer composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371840100016)

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By: Sliseris, Janis; Yan, Libo; Kasal, Bohumil

Volume: 89

Page: 143-154

Accession number: WOS:000371840100016

Document Type:Article

[Damage detection in CFRP by coupling acoustic emission and infrared thermography](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367120500009)

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By: Munoz, V.; Vales, B.; Perrin, M.; Pastor, M. L.; Welemane, H.; et al.

Volume: 85

Page: 68-75

Accession number: WOS:000367120500009

Document Type:Article

[Dielectric properties of surface treated multi-walled carbon nanotube/epoxy thin film composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367120500007)

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Volume: 85

Page: 50-58

Accession number: WOS:000367120500007

Document Type:Article

[Impact of vinyl concentration of a silicone rubber on the properties of the graphene oxide filled silicone rubber composites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364884000029)

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By: Gan, Lu; Shang, Songmin; Jiang, Shou-xiang

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Page: 294-300

Accession number: WOS:000364884000029

Document Type:Article

[Mechanical characterization of scalable cellulose nano-fiber based composites made using liquid composite molding 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%3A000364884000027)

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Volume: 84

Page: 277-284

Accession number: WOS:000364884000027

Document Type:Article

[Comparison of dynamic properties of magnetorheological elastomers with existing antivibration rubbers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363352700020)

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By: Khimi, S. Raa; Pickering, K. L.

Volume: 83

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Accession number: WOS:000363352700020

Document Type:Article

[Biaxial thermo-mechanical buckling of orthotropic auxetic FGM plates with temperature and moisture dependent material properties on elastic foundations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363352700013)

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By: Mansouri, M. H.; Shariyat, M.

Volume: 83

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Accession number: WOS:000363352700013

Document Type:Article

[Tribo-mechanical characterization of reinforced epoxy resin under dry and lubricated contact conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358808300058)

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By: Ruggiero, Alessandro; Merola, Massimiliano; Carlone, Pierpaolo; Archodoulaki, Vasiliki-Maria

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Page: 595-603

Accession number: WOS:000358808300058

Document Type:Article

[Development of multi-layered thermal protection system (TPS) for aerospace 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%3A000358808300041)

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By: Jayaseelan, D. D.; Xin, Y.; Vandeperre, L.; Brown, P.; Lee, W. E.

Volume: 79

Page: 392-405

Accession number: WOS:000358808300041

Document Type:Article

[Effect of TiO2 on photocatalytic activity of polyvinylpyrrolidone fabricated via electrospinning](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358968800037)

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Volume: 80

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Accession number: WOS:000358968800037

Document Type:Article

[Buckling failure analysis of cracked functionally graded plates by a stabilized discrete shear gap extended 3-node triangular plate element](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356754100022)

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By: Liu, P.; Bui, T. Q.; Zhu, D.; Yu, T. T.; Wang, J. W.; et al.

Volume: 77

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Accession number: WOS:000356754100022

Document Type:Article

[Biomass fly ash effect on fresh and hardened state properties of cement 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%3A000356754100001)

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Volume: 77

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Accession number: WOS:000356754100001

Document Type:Article

[The effect of hybridization on the ballistic impact behavior of hybrid composite armors](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355352400031)

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By: Bandaru, Aswani Kumar; Vetiyatil, Lakshmi; Ahmad, Suhail

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Accession number: WOS:000355352400031

Document Type:Article

[The effect of organic and inorganic fibres on the mechanical and thermal properties of aluminate activated geopolymers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000355352400023)

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By: Masi, Giulia; Rickard, William D. A.; Bignozzi, Maria Chiara; van Riessen, Arie

Volume: 76

Page: 218-228

Accession number: WOS:000355352400023

Document Type:Article

[Structural behaviour of fabric reinforced cementitious matrix (FRCM) strengthened concrete columns under eccentric loading](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353426500023)

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By: Ombres, Luciano; Verre, Salvatore

Volume: 75

Page: 235-249

Accession number: WOS:000353426500023

Document Type:Article

[Direct joining of carbon-fiber-reinforced plastic to an aluminum alloy using friction lap joining](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000350780700009)

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By: Nagatsuka, Kimiaki; Yoshida, Shoichiro; Tsuchiya, Atsuki; Nakata, Kazuhiro

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Volume: 72

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Accession number: WOS:000349729300020

Document Type:Article

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Accession number: WOS:000348951700026

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Accession number: WOS:000347266600027

Document Type:Article

[Strain sensing in polymer/carbon nanotube composites by electrical resistance measurement](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000344823700018)

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Accession number: WOS:000344823700018

Document Type:Article

[Static behaviour of functionally graded sandwich beams using a quasi-3D 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%3A000344823700007)

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By: Vo, Thuc P.; Thai, Huu-Tai; Trung-Kien Nguyen; Inam, Fawad; Lee, Jaehong

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[An analytical method for the vibration and buckling of functionally graded beams under mechanical and thermal loads](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381324200015)

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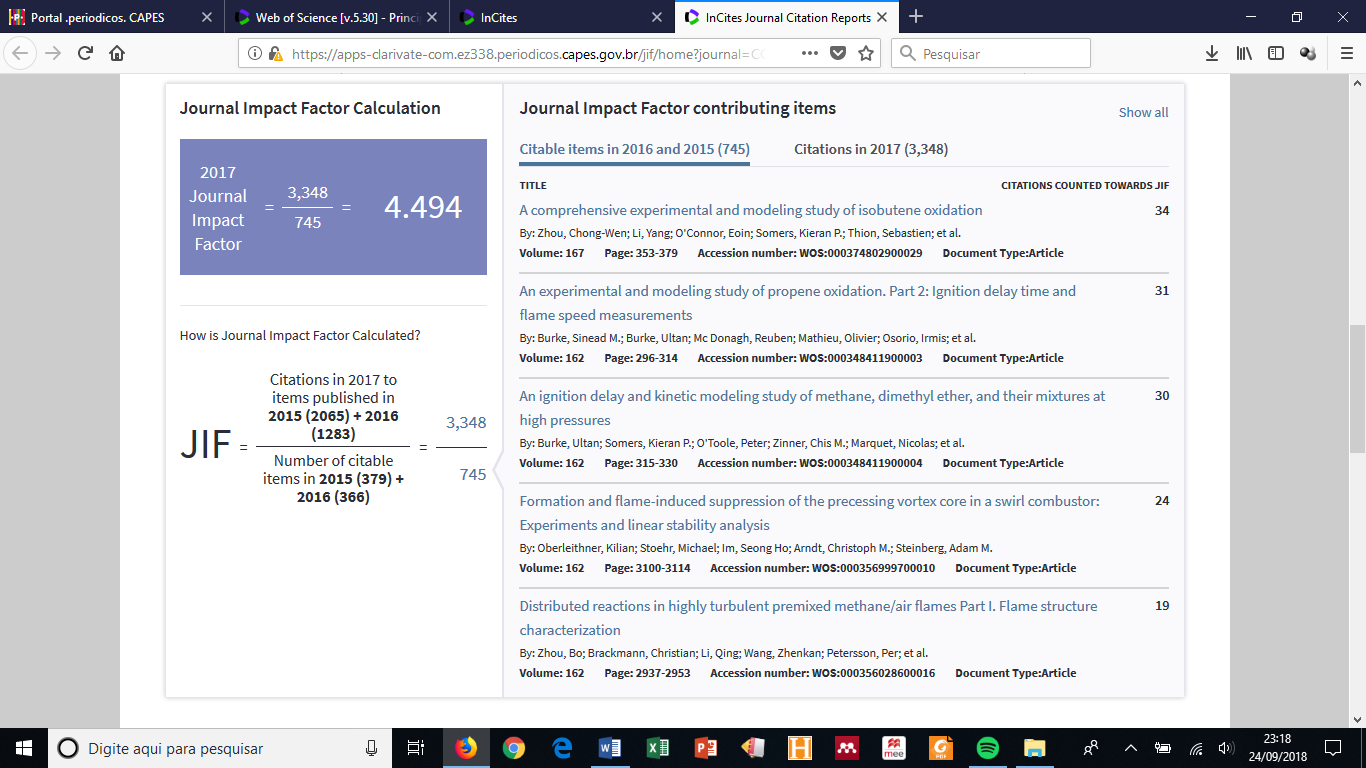
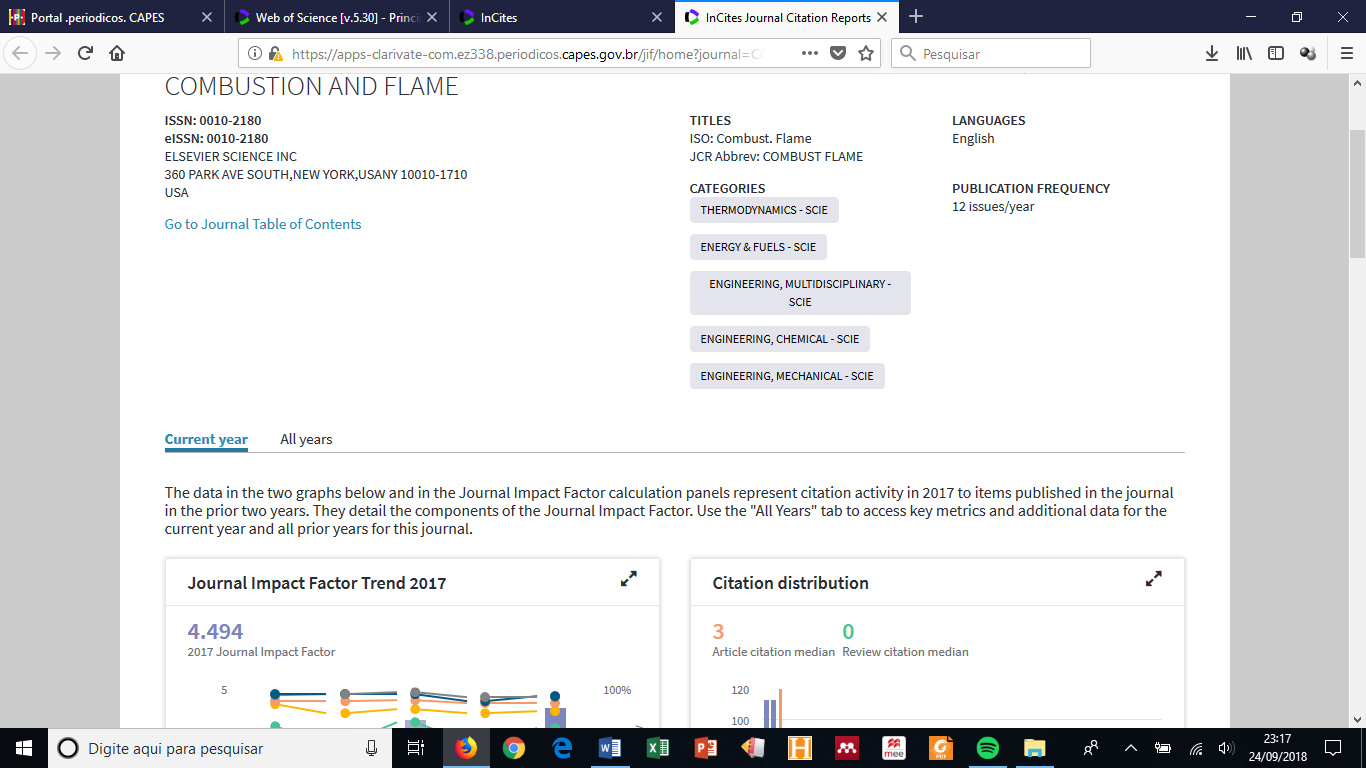
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1. [Investigation on the pyrolysis and oxidation of toluene over a wide range conditions. I. Flow reactor pyrolysis and jet stirred reactor oxidation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600002)

18

By: Yuan, Wenhao; Li, Yuyang; Dagaut, Philippe; Yang, Jiuzhong; Qi, Fei

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Document Type:Article

1. [An ignition delay time and chemical kinetic modeling study of the pentane 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%3A000367278600012)

18

By: Bugler, John; Marks, Brandon; Mathieu, Olivier; Archuleta, Rachel; Camou, Alejandro; et al.

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Accession number: WOS:000367278600012

Document Type:Article

1. [An experimental and kinetic modeling study of n-hexane 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%3A000363998300012)

18

By: Zhang, Kuiwen; Banyon, Colin; Togbe, Casimir; Dagaut, Philippe; Bugler, John; et al.

Volume: 162

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Accession number: WOS:000363998300012

Document Type:Article

1. [Physicochemical evolution of nascent soot particles in a laminar premixed flame: from nucleation to early growth](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600034)

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By: Commodo, Mario; De Falco, Gianluigi; Bruno, Annalisa; Borriello, Carmela; Minutolo, Patrizia; et al.

Volume: 162

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Accession number: WOS:000361925600034

Document Type:Article

1. [LES study of deflagration to detonation mechanisms in a downsized spark ignition engine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600004)

18

By: Robert, A.; Richard, S.; Colin, O.; Poinsot, T.

Volume: 162

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Accession number: WOS:000356028600004

Document Type:Article

1. [Investigation on the pyrolysis and oxidation of toluene over a wide range conditions. II. A comprehensive kinetic modeling study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600003)

18

By: Yuan, Wenhao; Li, Yuyang; Dagaut, Philippe; Yang, Jiuzhong; Qi, Fei

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Accession number: WOS:000346393600003

Document Type:Article

1. [Optimized chemical mechanism for combustion of gasoline surrogate 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%3A000358561500001)

17

By: Cai, Liming; Pitsch, Heinz

Volume: 162

Page: 1623-1637

Accession number: WOS:000358561500001

Document Type:Article

1. [Understanding low-temperature first-stage ignition delay: Propane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600018)

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By: Merchant, Shamel S.; Goldsmith, C. Franklin; Vandeputte, Aaeron G.; Burke, Michael P.; Klippenstein, Stephen J.; et al.

Volume: 162

Page: 3658-3673

Accession number: WOS:000361925600018

Document Type:Article

1. [Kinetic modeling of particle size distribution of soot in a premixed burner-stabilized stagnation ethylene flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100020)

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By: Saggese, Chiara; Ferrario, Sara; Camacho, Joaquin; Cuoci, Alberto; Frassoldati, Alessio; et al.

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Accession number: WOS:000360779100020

Document Type:Article

1. [Differential diffusion effects, distributed burning, and local extinctions in high Karlovitz premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100019)

16

By: Lapointe, Simon; Savard, Bruno; Blanquart, Guillaume

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Accession number: WOS:000360779100019

Document Type:Article

1. [Compositional effects on the ignition of FACE gasolines](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600015)

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By: Sarathy, S. Mani; Kukkadapu, Goutham; Mehl, Marco; Javed, Tamour; Ahmed, Ahfaz; et al.

Volume: 169

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Accession number: WOS:000378583600015

Document Type:Article

1. [Additional chain-branching pathways in the low-temperature oxidation of branched alkanes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200031)

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By: Wang, Zhandong; Zhang, Lidong; Moshammer, Kai; Popolan-Vaida, Denisia M.; Shankar, Vijai Shankar Bhavani; et al.

Volume: 164

Page: 386-396

Accession number: WOS:000370461200031

Document Type:Article

1. [Freely-propagating flames in aluminum dust clouds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300015)

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By: Julien, Philippe; Vickery, James; Goroshin, Samuel; Frost, David L.; Bergthorson, Jeffrey M.

Volume: 162

Page: 4241-4253

Accession number: WOS:000363998300015

Document Type:Article

1. [End-gas autoignition and detonation development in a closed chamber](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300003)

16

By: Yu, Hao; Chen, Zheng

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Page: 4102-4111

Accession number: WOS:000363998300003

Document Type:Article

[Experimental and modeling study on the high-temperature oxidation of Ammonia and related NOx 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%3A000351250400004)

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By: Mathieu, Olivier; Petersen, Eric L.

Volume: 162

Page: 554-570

Accession number: WOS:000351250400004

Document Type:Article

[A detailed chemical kinetic modeling, ignition delay time and jet-stirred reactor study of methanol 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%3A000371561400010)

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By: Burke, Ultan; Metcalfe, Wayne K.; Burke, Sinead M.; Heufer, K. Alexander; Dagaut, Philippe; et al.

Volume: 165

Page: 125-136

Accession number: WOS:000371561400010

Document Type:Article

[Direct numerical simulation of a pulverized coal jet flame employing a global volatile matter reaction scheme based on detailed reaction 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%3A000367211400002)

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By: Hara, Takumi; Muto, Masaya; Kitano, Tomoaki; Kurose, Ryoichi; Komori, Satoru

Volume: 162

Page: 4391-4407

Accession number: WOS:000367211400002

Document Type:Article

[Effects of thermodynamic conditions on the end gas combustion mode associated with engine knock](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300005)

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By: Qi, Yunliang; Wang, Zhi; Wang, Jianxin; He, Xin

Volume: 162

Page: 4119-4128

Accession number: WOS:000363998300005

Document Type:Article

[Prediction of combustion instability limit cycle oscillations by combining flame describing function simulations with a thermoacoustic network model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600016)

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By: Han, Xingsi; Li, Jingxuan; Morgans, Aimee S.

Volume: 162

Page: 3632-3647

Accession number: WOS:000361925600016

Document Type:Article

[Evaluating temperature and fuel stratification for heat-release rate control in a reactivity-controlled compression-ignition engine using optical diagnostics and chemical kinetics modeling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600037)

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By: Kokjohn, Sage L.; Musculus, Mark P. B.; Reitz, Rolf D.

Volume: 162

Page: 2729-2742

Accession number: WOS:000360592600037

Document Type:Article

[Modelling n-dodecane spray and combustion with the transported probability density function method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500034)

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By: Pei, Yuanjiang; Hawkes, Evatt R.; Kook, Sanghoon; Goldin, Graham M.; Lu, Tianfeng

Volume: 162

Page: 2006-2019

Accession number: WOS:000358561500034

Document Type:Article

[Nanoenergetics as pressure generator for nontoxic impact primers: Comparison of Al/Bi2O3, Al/CuO, Al/MoO3 nanothermites and Al/PTFE](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500017)

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By: Glavier, Ludovic; Taton, Guillaume; Ducere, Jean-Marie; Baijot, Vincent; Pinon, Stephane; et al.

Volume: 162

Page: 1813-1820

Accession number: WOS:000358561500017

Document Type:Article

[Experimental investigation and numerical analysis on flame stabilization of CH4/air mixture in a mesoscale channel with wall cavities](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100012)

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By: Wan, Jianlong; Fan, Aiwu; Liu, Yi; Yao, Hong; Liu, Wei; et al.

Volume: 162

Page: 1035-1045

Accession number: WOS:000351794100012

Document Type:Article

[Mobility size and mass of nascent soot particles in a benchmark premixed ethylene flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600030)

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By: Camacho, Joaquin; Liu, Changran; Gu, Chen; Lin, He; Huang, Zhen; et al.

Volume: 162

Page: 3810-3822

Accession number: WOS:000361925600030

Document Type:Article

[Local extinction and near-field structure in piloted turbulent CH4/air jet flames with inhomogeneous inlets](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600006)

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By: Barlow, R. S.; Meares, S.; Magnotti, G.; Cutcher, H.; Masri, A. R.

Volume: 162

Page: 3516-3540

Accession number: WOS:000361925600006

Document Type:Article

[Comparison of the performance of several recent syngas combustion 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%3A000358561500016)

14

By: Olm, Carsten; Zsely, Istvan Gy.; Varga, Tumas; Curran, Henry J.; Turanyi, Tamas

Volume: 162

Page: 1793-1812

Accession number: WOS:000358561500016

Document Type:Article

[LES of the Sydney piloted spray flame series with the PFGM/ATF approach and different sub-filter 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%3A000351794100058)

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By: Rittler, Andreas; Proch, Fabian; Kempf, Andreas M.

Volume: 162

Page: 1575-1598

Accession number: WOS:000351794100058

Document Type:Article

[Experimental and kinetic modeling study of the low- and intermediate-temperature oxidation of dimethyl ether](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100018)

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By: Wang, Zhandong; Zhang, Xiaoyuan; Xing, Lili; Zhang, Lidong; Herrmann, Friederike; et al.

Volume: 162

Page: 1113-1125

Accession number: WOS:000351794100018

Document Type:Article

[Shock tube ignition delay times and methane time-histories measurements during excess CO2 diluted oxy-methane combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200012)

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By: Koroglu, Batikan; Pryor, Owen M.; Lopez, Joseph; Nash, Leigh; Vasu, Subith S.

Volume: 164

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Accession number: WOS:000370461200012

Document Type:Article

[Response of flame thickness and propagation speed under intense turbulence in spatially developing lean premixed methane-air jet flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100014)

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By: Sankaran, Ramanan; Hawkes, Evatt R.; Yoo, Chun Sang; Chen, Jacqueline H.

Volume: 162

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Accession number: WOS:000360779100014

Document Type:Article

[New reaction classes in the kinetic modeling of low temperature oxidation of n-alkanes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500006)

13

By: Ranzi, Eliseo; Cavallotti, Carlo; Cuoci, Alberto; Frassoldati, Alessio; Pelucchi, Matteo; et al.

Volume: 162

Page: 1679-1691

Accession number: WOS:000358561500006

Document Type:Article

[Energy release pathways in nanothermites follow through the condensed state](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600022)

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By: Jacob, Rohit J.; Jian, Guoqiang; Guerieri, Philip M.; Zachariah, Michael R.

Volume: 162

Page: 258-264

Accession number: WOS:000346393600022

Document Type:Article

[An updated experimental and kinetic modeling study of n-heptane 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%3A000383922400010)

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By: Zhang, Kuiwen; Banyon, Colin; Bugler, John; Curran, Henry J.; Rodriguez, Anne; et al.

Volume: 172

Page: 116-135

Accession number: WOS:000383922400010

Document Type:Article

[Laminar burning speed measurement and flame instability study of H-2/CO/air mixtures at high temperatures and pressures using a novel multi-shell model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900003)

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By: Askari, Omid; Moghaddas, Ali; Alholm, Alden; Vien, Kevin; Alhazmi, Bander; et al.

Volume: 168

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Accession number: WOS:000377148900003

Document Type:Article

[Skeletal mechanism reduction through species-targeted sensitivity 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%3A000367278600030)

12

By: Stagni, A.; Frassoldati, A.; Cuoci, A.; Faravelli, T.; Ranzi, E.

Volume: 163

Page: 382-393

Accession number: WOS:000367278600030

Document Type:Article

[DNS of Intrinsic ThermoAcoustic modes in laminar premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300021)

12

By: Courtine, Emilien; Selle, Laurent; Poinsot, Thierry

Volume: 162

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Accession number: WOS:000363998300021

Document Type:Article

[Cool-flame, extinction during n-alkane droplet combustion in microgravity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500045)

12

By: Nayagam, Vedha; Dietrich, Daniel L.; Hicks, Michael C.; Williams, Forman A.

Volume: 162

Page: 2140-2147

Accession number: WOS:000358561500045

Document Type:Article

[Consistent definitions of Flame Displacement Speed and Markstein Length for premixed flame propagation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100030)

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By: Giannakopoulos, George K.; Gatzoulis, Athanasios; Frouzakis, Christos E.; Matalon, Moshe; Tomboulides, Ananias G.

Volume: 162

Page: 1249-1264

Accession number: WOS:000351794100030

Document Type:Article

[Spray flame structure in conventional and hot-diluted combustion 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%3A000351250400020)

12

By: Rodrigues, Hugo Correia; Tummers, Mark J.; van Veen, Eric H.; Roekaerts, Dirk J. E. M.

Volume: 162

Page: 759-773

Accession number: WOS:000351250400020

Document Type:Article

[An experimental and kinetic modeling study of the pyrolysis and oxidation of n-C-3-C-5 aldehydes in shock tubes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900001)

12

By: Pelucchi, Matteo; Somers, Kieran P.; Yasunaga, Kenji; Burke, Ultan; Frassoldati, Alessio; et al.

Volume: 162

Page: 265-286

Accession number: WOS:000348411900001

Document Type:Article

[Large eddy simulation of turbulent spray combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900012)

11

By: Irannejad, Abolfazl; Banaeizadeh, Araz; Jaberi, Farhad

Volume: 162

Page: 431-450

Accession number: WOS:000348411900012

Document Type:Article

[An overview of coal rank influence on ignition and combustion phenomena at the particle level](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200003)

11

By: Khatami, Reza; Levendis, Yiannis A.

Volume: 164

Page: 22-34

Accession number: WOS:000370461200003

Document Type:Article

[Large eddy simulation of a reacting spray flame with multiple realizations under compression ignition engine conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400005)

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By: Pei, Yuanjiang; Som, Sibendu; Pomraning, Eric; Senecal, Peter K.; Skeen, Scott A.; et al.

Volume: 162

Page: 4442-4455

Accession number: WOS:000367211400005

Document Type:Article

[Supersonic reaction front propagation initiated by a hot spot in n-heptane/air mixture with multistage ignition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300011)

11

By: Dai, Peng; Chen, Zheng

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Accession number: WOS:000363998300011

Document Type:Article

[Numerical simulations of premixed cool flames of dimethyl ether/oxygen 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%3A000361925600011)

11

By: Ju, Yiguang; Reuter, Christopher B.; Won, Sang Hee

Volume: 162

Page: 3580-3588

Accession number: WOS:000361925600011

Document Type:Article

[Effect of nanostructure, oxidative pressure and extent of oxidation on model carbon reactivity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500021)

11

By: Jaramillo, Isabel C.; Gaddam, Chethan K.; Vander Wal, Randy L.; Lighty, Joann S.

Volume: 162

Page: 1848-1856

Accession number: WOS:000358561500021

Document Type:Article

[Modelling fuel combustion in iron ore sintering](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100011)

11

By: Zhao, Jia P.; Loo, Chin E.; Dukino, Rodney D.

Volume: 162

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Accession number: WOS:000351794100011

Document Type:Article

[Chemical kinetics mechanism for oxy-fuel combustion of mixtures of hydrogen sulfide and methane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400003)

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By: Bongartz, Dominik; Ghoniem, Ahmed F.

Volume: 162

Page: 544-553

Accession number: WOS:000351250400003

Document Type:Article

[Combustion stability and hetero-/homogeneous chemistry interactions for fuel-lean hydrogen/air mixtures in platinum-coated microchannels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500033)

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By: Sui, Ran; Mantzaras, John

Volume: 173

Page: 370-386

Accession number: WOS:000385909500033

Document Type:Article

[An analysis of the structure of an n-dodecane spray flame using TPDF 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%3A000377148900033)

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By: Pei, Yuanjiang; Hawkes, Evatt R.; Bolla, Michele; Kook, Sanghoon; Goldin, Graham M.; et al.

Volume: 168

Page: 420-435

Accession number: WOS:000377148900033

Document Type:Article

[Combustion in reactive multilayer Ni/Al nanofoils: Experiments and molecular dynamic simulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300015)

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By: Rogachev, A. S.; Vadchenko, S. G.; Baras, F.; Politano, O.; Rouvimov, S.; et al.

Volume: 166

Page: 158-169

Accession number: WOS:000372768300015

Document Type:Article

[Engine hot spots: Modes of auto-ignition and reaction propagation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300008)

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By: Bates, Luke; Bradley, Derek; Paczko, Guenter; Peters, Norbert

Volume: 166

Page: 80-85

Accession number: WOS:000372768300008

Document Type:Article

[Flame front analysis of ethanol, butanol, iso-octane and gasoline in a spark-ignition engine using laser tomography and integral length scale measurements](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400013)

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By: Aleiferis, Pavlos G.; Behringer, Markus K.

Volume: 162

Page: 4533-4552

Accession number: WOS:000367211400013

Document Type:Article

[Fundamentally-based kinetic model for propene pyrolysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400006)

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By: Wang, Kun; Villano, Stephanie M.; Dean, Anthony M.

Volume: 162

Page: 4456-4470

Accession number: WOS:000367211400006

Document Type:Article

[Reaction pathway of coal oxidation at low temperatures: a model of cyclic chain reactions and kinetic 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%3A000367278600036)

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By: Wang, De-ming; Xin, Hai-hui; Qi, Xu-yao; Dou, Guo-Lan; Qi, Guan-sheng; et al.

Volume: 163

Page: 447-460

Accession number: WOS:000367278600036

Document Type:Article

[Formation and evolution of distorted tulip flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300002)

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By: Xiao, Huahua; Houim, Ryan W.; Oran, Elaine S.

Volume: 162

Page: 4084-4101

Accession number: WOS:000363998300002

Document Type:Article

[Effect of the flame environment on soot nanostructure inferred by Raman spectroscopy at different excitation 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%3A000360592600011)

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By: Russo, Carmela; Ciajolo, Anna

Volume: 162

Page: 2431-2441

Accession number: WOS:000360592600011

Document Type:Article

[A reduced toluene reference fuel chemical kinetic mechanism for combustion and polycyclic-aromatic hydrocarbon predictions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600007)

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By: Wang, Hu; Yao, Mingfa; Yue, Zongyu; Jia, Ming; Reitz, Rolf D.

Volume: 162

Page: 2390-2404

Accession number: WOS:000360592600007

Document Type:Article

[Comprehensive kinetic modeling and experimental study of a fuel-rich, premixed n-heptane flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500037)

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By: Seidel, Lars; Moshammer, Kai; Wang, Xiaoxiao; Zeuch, Thomas; Kohse-Hoeinghaus, Katharina; et al.

Volume: 162

Page: 2045-2058

Accession number: WOS:000358561500037

Document Type:Article

[Simulation of the flame describing function of a turbulent premixed flame using an open-source LES solver](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500015)

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By: Han, Xingsi; Morgans, Aimee S.

Volume: 162

Page: 1778-1792

Accession number: WOS:000358561500015

Document Type:Article

[Direct numerical simulations of autoignition in stratified dimethyl-ether (DME)/air turbulent 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%3A000351250400014)

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By: Bansal, Gaurav; Mascarenhas, Ajith; Chen, Jacqueline H.

Volume: 162

Page: 688-702

Accession number: WOS:000351250400014

Document Type:Article

[Intrinsic thermoacoustic instability of premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600008)

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By: Emmert, Thomas; Bomberg, Sebastian; Polifke, Wolfgang

Volume: 162

Page: 75-85

Accession number: WOS:000346393600008

Document Type:Article

[Characterization of Spray A flame structure for parametric variations in ECN constant-volume vessels using chemiluminescence and laser-induced 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%3A000390614600012)

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By: Maes, Noud; Meijer, Maarten; Dam, Nico; Somers, Bart; Toda, Hubert Baya; et al.

Volume: 174

Page: 138-151

Accession number: WOS:000390614600012

Document Type:Article

[Effect of the length of a plate flame holder on flame blowout limit in a micro-combustor with preheating channels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800005)

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By: Wan, Jianlong; Fan, Aiwu; Yao, Hong

Volume: 170

Page: 53-62

Accession number: WOS:000381244800005

Document Type:Article

[Kinetic study of heterogeneous mercury oxidation by HCl on fly ash surface in coal-fired 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%3A000377148900001)

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By: Yang, Yingju; Liu, Jing; Shen, Fenghua; Zhao, Lipeng; Wang, Zhen; et al.

Volume: 168

Page: 1-9

Accession number: WOS:000377148900001

Document Type:Article

[Three-dimensional direct numerical simulation of turbulent lean premixed methane combustion with detailed 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%3A000372768300024)

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By: Aspden, A. J.; Day, M. S.; Bell, J. B.

Volume: 166

Page: 266-283

Accession number: WOS:000372768300024

Document Type:Article

[Third O-2 addition reactions promote the low-temperature auto-ignition of n-alkanes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400029)

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By: Wang, Zhandong; Sarathy, S. Mani

Volume: 165

Page: 364-372

Accession number: WOS:000371561400029

Document Type:Article

[Interactions of flame propagation, auto-ignition and pressure wave during knocking combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200026)

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By: Pan, Jiaying; Shu, Gequn; Zhao, Peng; Wei, Haiqiao; Chen, Zheng

Volume: 164

Page: 319-328

Accession number: WOS:000370461200026

Document Type:Article

[Flame macrostructures, combustion instability and extinction strain scaling in swirl-stabilized premixed CH4/H-2 combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600041)

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By: Shanbhogue, S. J.; Sanusi, Y. S.; Taamallah, S.; Habib, M. A.; Mokheimer, E. M. A.; et al.

Volume: 163

Page: 494-507

Accession number: WOS:000367278600041

Document Type:Article

[Reactivity and structure of soot generated at varying biofuel content and engine operating parameters](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600013)

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By: Ess, Michaela Nicole; Bladt, Henrike; Muehlbauer, Wolfgang; Seher, Simone Isabelle; Zoellner, Christian; et al.

Volume: 163

Page: 157-169

Accession number: WOS:000367278600013

Document Type:Article

[Challenging modeling strategies for LES of non-adiabatic turbulent stratified combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300017)

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By: Fiorina, B.; Mercier, R.; Kuenne, G.; Ketelheun, A.; Avdic, A.; et al.

Volume: 162

Page: 4264-4282

Accession number: WOS:000363998300017

Document Type:Article

[LES of longitudinal and transverse self-excited combustion instabilities in a bluff-body stabilized turbulent premixed flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300001)

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By: Ghani, Abdulla; Poinsot, Thierry; Gicquel, Laurent; Staffelbach, Gabriel

Volume: 162

Page: 4075-4083

Accession number: WOS:000363998300001

Document Type:Article

[A combustion model for multi-component fuels using a physical surrogate group chemistry representation (PSGCR)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600003)

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By: Ra, Youngchul; Reitz, Rolf D.

Volume: 162

Page: 3456-3481

Accession number: WOS:000361925600003

Document Type:Article

[Simultaneous soot temperature and volume fraction measurements in axis-symmetric flames by a two-dimensional modulated absorption/emission 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%3A000360592600035)

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Volume: 162

Page: 2705-2719

Accession number: WOS:000360592600035

Document Type:Article

[Experimental and numerical investigation of thermo-acoustic instability in a liquid-fuel aero-engine combustor at elevated pressure: Validity of large-eddy simulation of spray combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600028)

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By: Tachibana, Shigeru; Saito, Kinya; Yamamoto, Takeshi; Makida, Mitsumasa; Kitano, Tomoaki; et al.

Volume: 162

Page: 2621-2637

Accession number: WOS:000360592600028

Document Type:Article

[An observation of combustion behavior of a single coal particle entrained into hot gas flow](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600027)

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By: Lee, Hookyung; Choi, Sangmin

Volume: 162

Page: 2610-2620

Accession number: WOS:000360592600027

Document Type:Article

[Numerical simulation and parametric sensitivity study of particle size distributions in a burner-stabilised stagnation flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600023)

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By: Yapp, Edward K. Y.; Chen, Dongping; Akroyd, Jethro; Mosbach, Sebastian; Kraft, Markus; et al.

Volume: 162

Page: 2569-2581

Accession number: WOS:000360592600023

Document Type:Article

[Autoignition of gasoline surrogates at low temperature combustion conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500055)

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By: Kukkadapu, Goutham; Kumar, Kamal; Sung, Chih-Jen; Mehl, Marco; Pitz, William J.

Volume: 162

Page: 2272-2285

Accession number: WOS:000358561500055

Document Type:Article

[Detailed characterization of DC electric field effects on small non-premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600010)

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By: Karnani, Sunny; Dunn-Rankin, Derek

Volume: 162

Page: 2865-2872

Accession number: WOS:000356028600010

Document Type:Article

[Sooting tendencies of unsaturated esters in nonpremixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100051)

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By: Das, Dhrubajyoti D.; McEnally, Charles S.; Pfefferle, Lisa D.

Volume: 162

Page: 1489-1497

Accession number: WOS:000351794100051

Document Type:Article

[Ignition of methane- and n-butane-containing mixtures at high pressures by pulsed nanosecond discharge](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100038)

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By: Boumehdi, Mohamed A.; Stepanyan, Sergey A.; Desgroux, Pascale; Vanhove, Guillaume; Starikovskaia, Svetlana M.

Volume: 162

Page: 1336-1349

Accession number: WOS:000351794100038

Document Type:Article

[Hydrocarbon flame inhibition by C3H2F3Br (2-BTP)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100017)

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By: Babushok, Valeri I.; Linteris, Gregory T.; Burgess, Donald R., Jr.; Baker, Patrick T.

Volume: 162

Page: 1104-1112

Accession number: WOS:000351794100017

Document Type:Article

[Characterization of atomization and combustion in moderately dense turbulent spray flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100008)

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By: Kourmatzis, Agissilaos; Pham, Phuong X.; Masri, Assaad R.

Volume: 162

Page: 978-996

Accession number: WOS:000351794100008

Document Type:Article

[An efficient flamelet-based combustion model for compressible flows](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400012)

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By: Saghafian, Amirreza; Terrapon, Vincent E.; Pitsch, Heinz

Volume: 162

Page: 652-667

Accession number: WOS:000351250400012

Document Type:Article

[Capabilities and limitations of 3D flame measurements based on computed tomography of chemiluminescence](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400011)

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Volume: 162

Page: 642-651

Accession number: WOS:000351250400011

Document Type:Article

[Soot modeling of counterflow diffusion flames of ethylene-based binary mixture 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%3A000351250400007)

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By: Wang, Yu; Raj, Abhijeet; Chung, Suk Ho

Volume: 162

Page: 586-596

Accession number: WOS:000351250400007

Document Type:Article

[The effects of thermal and compositional stratification on the ignition and duration of homogeneous charge compression ignition combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900013)

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By: Kodavasal, Janardhan; Lavoie, George A.; Assanis, Dennis N.; Martz, Jason B.

Volume: 162

Page: 451-461

Accession number: WOS:000348411900013

Document Type:Article

[Carbon dioxide diluted methane/oxygen combustion in a rapidly mixed tubular flame burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900011)

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By: Shi, Baolu; Hu, Jie; Ishizuka, Satoru

Volume: 162

Page: 420-430

Accession number: WOS:000348411900011

Document Type:Article

[Modeling partially premixed combustion behavior in multiphase LES](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600014)

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By: Knudsen, Edward; Shashank; Pitsch, Heinz

Volume: 162

Page: 159-180

Accession number: WOS:000346393600014

Document Type:Article

[Shear flow instabilities in swirl-stabilized combustors and their impact on the amplitude dependent flame response: A linear stability 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%3A000346393600009)

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By: Oberleithner, Kilian; Schimek, Sebastian; Paschereit, Christian Oliver

Volume: 162

Page: 86-99

Accession number: WOS:000346393600009

Document Type:Article

[Exploring mechanisms for agglomerate reduction in composite solid propellants with polyethylene inclusion modified aluminum](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400028)

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By: Sippel, Travis R.; Son, Steven F.; Groven, Lori J.; Zhang, Shasha; Dreizin, E. L.

Volume: 162

Page: 846-854

Accession number: WOS:000351250400028

Document Type:Article

[Suppression of instabilities in a premixed methane-air flame in a narrow channel via hydrogen/carbon monoxide addition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500025)

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By: Kang, X.; Gollan, R. J.; Jacobs, P. A.; Veeraragavan, A.

Volume: 173

Page: 266-275

Accession number: WOS:000385909500025

Document Type:Article

[Burning characteristics of Victorian brown coal under MILD combustion conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400021)

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By: Saha, Manabendra; Dally, Bassam B.; Medwell, Paul R.; Chinnici, Alfonso

Volume: 172

Page: 252-270

Accession number: WOS:000383922400021

Document Type:Article

[Devolatilization and volatiles reaction of individual coal particles in the context of FGM tabulated 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%3A000378583600008)

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Volume: 169

Page: 72-84

Accession number: WOS:000378583600008

Document Type:Article

[A comprehensive experimental and kinetic modeling study of butanone](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900024)

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By: Burke, Ultan; Beeckmann, Joachim; Kopp, Wassja A.; Uygun, Yasar; Olivier, Herbert; et al.

Volume: 168

Page: 296-309

Accession number: WOS:000377148900024

Document Type:Article

[Quantifying the enhanced combustion characteristics of electrospray assembled aluminum mesoparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900038)

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Volume: 167

Page: 472-480

Accession number: WOS:000374802900038

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[Probe effects in soot sampling from a burner-stabilized stagnation flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900015)

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Volume: 167

Page: 184-197

Accession number: WOS:000374802900015

Document Type:Article

[Large Eddy Simulation of n-dodecane spray flames using Flamelet Generated Manifolds](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900010)

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Volume: 167

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Accession number: WOS:000374802900010

Document Type:Article

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Volume: 165

Page: 354-360

Accession number: WOS:000371561400027

Document Type:Article

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Volume: 165

Page: 288-309

Accession number: WOS:000371561400022

Document Type:Article

[Experimental investigation of the stability limits of premixed syngas-air flames at two moderate swirl 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%3A000370461200022)

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Volume: 164

Page: 270-282

Accession number: WOS:000370461200022

Document Type:Article

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Volume: 164

Page: 250-258

Accession number: WOS:000370461200020

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Volume: 164

Page: 224-238

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Document Type:Article

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Volume: 162

Page: 4371-4390

Accession number: WOS:000367211400001

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Volume: 162

Page: 4471-4478

Accession number: WOS:000367211400007

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Volume: 162

Page: 4342-4357

Accession number: WOS:000363998300022

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Volume: 162

Page: 4167-4182

Accession number: WOS:000363998300010

Document Type:Article

[Soot loading, temperature and size of single coal particle envelope flames in conventional- and oxy-combustion conditions (O-2/N-2 and O-2/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%3A000360592600018)

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Volume: 162

Page: 2508-2517

Accession number: WOS:000360592600018

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Volume: 162

Page: 2371-2389

Accession number: WOS:000360592600006

Document Type:Article

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Volume: 162

Page: 2311-2321

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Volume: 162

Page: 3412-3426

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Volume: 162

Page: 3370-3378

Accession number: WOS:000360779100021

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Page: 2256-2271

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Document Type:Article

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Volume: 162

Page: 2098-2107

Accession number: WOS:000358561500041

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Volume: 162

Page: 2059-2076

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Document Type:Article

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Volume: 162

Page: 1748-1758

Accession number: WOS:000358561500012

Document Type:Article

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Volume: 162

Page: 1729-1736

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Document Type:Article

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Volume: 162

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Volume: 162

Page: 3016-3029

Accession number: WOS:000356999700004

Document Type:Article

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Volume: 162

Page: 1507-1529

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Document Type:Article

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Volume: 162

Page: 997-1008

Accession number: WOS:000351794100009

Document Type:Article

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Volume: 162

Page: 921-931

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Volume: 162

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Document Type:Article

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Volume: 162

Page: 533-543

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Document Type:Article

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Volume: 162

Page: 129-143

Accession number: WOS:000346393600012

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[Effect of external heat loss on the propagation and quenching of flames in small heat-recirculating tubes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500004)

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Volume: 173

Page: 27-38

Accession number: WOS:000385909500004

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[Effects of CO2 on submicronic carbon particulate (soot) formed during coal pyrolysis in a drop tube reactor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400025)

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Volume: 172

Page: 302-308

Accession number: WOS:000383922400025

Document Type:Article

[Detailed analyzes of pulverized coal swirl flames in oxy-fuel atmospheres](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400024)

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Volume: 172

Page: 289-301

Accession number: WOS:000383922400024

Document Type:Article

[Ignition studies of n-heptane/iso-octane/toluene 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%3A000382513000020)

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Volume: 171

Page: 223-233

Accession number: WOS:000382513000020

Document Type:Article

[Numerical study on heat recirculation in a porous micro-combustor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000013)

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Volume: 171

Page: 152-161

Accession number: WOS:000382513000013

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[The influence of wall roughness on detonation limits in hydrogen-oxygen mixture](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600027)

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Page: 333-339

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[Exploration of combustion instability triggering using Large Eddy Simulation of a multiple injector liquid rocket engine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600012)

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Volume: 169

Page: 129-140

Accession number: WOS:000378583600012

Document Type:Article

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Volume: 168

Page: 138-146

Accession number: WOS:000377148900013

Document Type:Article

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Volume: 167

Page: 320-334

Accession number: WOS:000374802900027

Document Type:Article

[Analysis of the chemical features of particles generated from ethylene and ethylene/2,5 dimethyl furan flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900023)

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Volume: 167

Page: 268-273

Accession number: WOS:000374802900023

Document Type:Article

[Photoflash and laser ignition of select high-nitrogen 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%3A000374802900017)

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Volume: 167

Page: 207-217

Accession number: WOS:000374802900017

Document Type:Article

[First-stage ignition delay in the negative temperature coefficient behavior: Experiment and simulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900002)

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Volume: 167

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Accession number: WOS:000374802900002

Document Type:Article

[Experimental study of the dynamics and structure of self-sustaining premixed cool flames using a counterflow burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300012)

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Volume: 166

Page: 125-132

Accession number: WOS:000372768300012

Document Type:Article

[Experimental and modeling investigation of the effect of the unsaturation degree on the gas-phase oxidation of fatty acid methyl esters found in biodiesel 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%3A000370461200028)

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Volume: 164

Page: 346-362

Accession number: WOS:000370461200028

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Volume: 164

Page: 283-293

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Document Type:Article

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Volume: 163

Page: 370-381

Accession number: WOS:000367278600029

Document Type:Article

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Accession number: WOS:000367278600015

Document Type:Article

[Pyrolysis and ignition of a polymer by transient 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%3A000367278600003)

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Volume: 163

Page: 31-41

Accession number: WOS:000367278600003

Document Type:Article

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Volume: 162

Page: 4283-4303

Accession number: WOS:000363998300018

Document Type:Article

[A Pareto-efficient combustion framework with submodel assignment for predicting complex flame 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%3A000363998300013)

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Volume: 162

Page: 4208-4230

Accession number: WOS:000363998300013

Document Type:Article

[Experimental and numerical investigation of propagation mechanism of gaseous detonations in channels with porous walls](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600029)

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Volume: 162

Page: 2638-2659

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Volume: 162

Page: 3437-3445

Accession number: WOS:000360779100026

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Volume: 162

Page: 3427-3436

Accession number: WOS:000360779100025

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Volume: 162

Page: 2148-2165

Accession number: WOS:000358561500046

Document Type:Article

[Broken reaction zone and differential diffusion effects in high Karlovitz n-C7H16 premixed turbulent flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500035)

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Volume: 162

Page: 2020-2033

Accession number: WOS:000358561500035

Document Type:Article

[Mechanisms of strong pressure wave generation in end-gas autoignition during knocking combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500028)

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Volume: 162

Page: 1944-1956

Accession number: WOS:000358561500028

Document Type:Article

[Uncertainty quantification of ion chemistry in lean and stoichiometric homogenous mixtures of methane, oxygen, and argon](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600013)

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Volume: 162

Page: 2904-2915

Accession number: WOS:000356028600013

Document Type:Article

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Volume: 162

Page: 2808-2822

Accession number: WOS:000356028600005

Document Type:Article

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Volume: 162

Page: 2758-2777

Accession number: WOS:000356028600002

Document Type:Article

[A chemical mechanism for low to high temperature oxidation of methylcyclohexane as a component of transportation fuel 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%3A000351794100026)

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Volume: 162

Page: 1193-1213

Accession number: WOS:000351794100026

Document Type:Article

[Large-eddy/Reynolds-averaged Navier-Stokes simulation of cavity-stabilized ethylene combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100025)

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Volume: 162

Page: 1176-1192

Accession number: WOS:000351794100025

Document Type:Article

[Influence of steam dilution on the ignition of hydrogen, syngas and natural gas blends at elevated pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100019)

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Volume: 162

Page: 1126-1135

Accession number: WOS:000351794100019

Document Type:Article

[A DNS study of the ignition of lean PRF/air mixtures with temperature inhomogeneities under high pressure and intermediate 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%3A000351250400016)

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Volume: 162

Page: 717-726

Accession number: WOS:000351250400016

Document Type:Article

[Autoignition and combustion characteristics of heptane droplets with the addition of aluminium nanoparticles at elevated temperatures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600016)

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Volume: 162

Page: 191-206

Accession number: WOS:000346393600016

Document Type:Article

[Devolatilization of a single fuel particle in a fluidized bed under oxy-combustion conditions. Part A: Experimental 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%3A000351250400023)

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Volume: 162

Page: 797-808

Accession number: WOS:000351250400023

Document Type:Article

[Optimized reaction mechanism rate rules for ignition of normal alkanes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500040)

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Volume: 173

Page: 468-482

Accession number: WOS:000385909500040

Document Type:Article

[Quantitative LIF measurements and kinetics assessment of NO formation in H-2/CO syngas-air counterflow diffusion flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500020)

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Volume: 173

Page: 208-228

Accession number: WOS:000385909500020

Document Type:Article

[Flamelet LES of a semi-industrial pulverized coal furnace](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500005)

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Volume: 173

Page: 39-56

Accession number: WOS:000385909500005

Document Type:Article

[Effect of decreasing blockage ratio on DDT in small channels with obstacles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500003)

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Volume: 173

Page: 16-26

Accession number: WOS:000385909500003

Document Type:Article

[Combustion of emulsion-based foam](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400013)

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Volume: 172

Page: 162-172

Accession number: WOS:000383922400013

Document Type:Article

[Experimental and modelling study of (CH2)-C-1 in premixed very rich methane flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000018)

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Volume: 171

Page: 198-210

Accession number: WOS:000382513000018

Document Type:Article

[Comprehensive study of initial diameter effects and other observations on convection-free droplet combustion in the standard atmosphere for n-heptane, n-octane, and n-decane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000003)

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Volume: 171

Page: 27-41

Accession number: WOS:000382513000003

Document Type:Article

[A general theory of ignition and combustion of nano- and micron-sized aluminum particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600010)

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Volume: 169

Page: 94-109

Accession number: WOS:000378583600010

Document Type:Article

[DNS of a turbulent lifted DME jet flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600005)

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Volume: 169

Page: 38-50

Accession number: WOS:000378583600005

Document Type:Article

[Experimental study of the formation and collapse of an overhang in the lateral spread of smouldering peat fires](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900030)

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Volume: 168

Page: 393-402

Accession number: WOS:000377148900030

Document Type:Article

[Experimental characterization of pulverized coal MILD flameless combustion from detailed measurements in a pilot-scale facility](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900028)

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Volume: 168

Page: 365-377

Accession number: WOS:000377148900028

Document Type:Article

[Application of PAH-condensation reversibility in modeling soot growth in laminar premixed and nonpremixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900028)

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Volume: 167

Page: 335-352

Accession number: WOS:000374802900028

Document Type:Article

[The role of temperature, mixture fraction, and scalar dissipation rate on transient methane injection and auto-ignition in a jet in hot coflow burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900006)

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Volume: 167

Page: 60-71

Accession number: WOS:000374802900006

Document Type:Article

[Turbulent flame stabilization modes in premixed swirl combustion: Physical mechanism and Karlovitz number-based criterion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300002)

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By: Taamallah, Soufien; Shanbhogue, Santosh J.; Ghoniem, Ahmed F.

Volume: 166

Page: 19-33

Accession number: WOS:000372768300002

Document Type:Article

[A comprehensive experimental and kinetic modeling study of ethylbenzene combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300023)

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Volume: 166

Page: 255-265

Accession number: WOS:000372768300023

Document Type:Article

[An investigation of turbulent premixed counterflow flames using large-eddy simulations and probability density function 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%3A000372768300021)

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Volume: 166

Page: 229-242

Accession number: WOS:000372768300021

Document Type:Article

[Effect of mechanical activation of high specific surface area aluminium with PTFE on composite solid propellant](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300019)

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By: Gaurav, M.; Ramakrishna, P. A.

Volume: 166

Page: 203-215

Accession number: WOS:000372768300019

Document Type:Article

[Propagation and generation of acoustic and entropy waves across a moving flame front](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300016)

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By: Chen, Lin Strobio; Bomberg, Sebastian; Polifke, Wolfgang

Volume: 166

Page: 170-180

Accession number: WOS:000372768300016

Document Type:Article

[Development of a reduced toluene reference fuel (TRF)-2,5-dimethylfuran-polycyclic aromatic hydrocarbon (PAH) mechanism for engine 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%3A000371561400036)

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Volume: 165

Page: 453-465

Accession number: WOS:000371561400036

Document Type:Article

[Modeling of spray jet flame under MILD condition with non-adiabatic FGM and a new conditional droplet injection model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400032)

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Volume: 165

Page: 402-423

Accession number: WOS:000371561400032

Document Type:Article

[Heat release rate estimation in laminar premixed flames using laser-induced fluorescence of CH2O and H-atom](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400030)

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Volume: 165

Page: 373-383

Accession number: WOS:000371561400030

Document Type:Article

[From ignition to stable combustion in a cavity flameholder studied via 3D tomographic chemiluminescence at 20 kHz](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400001)

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Volume: 165

Page: 1-10

Accession number: WOS:000371561400001

Document Type:Article

[Soot formation in non-premixed counterflow flames of butane and butanol 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%3A000370461200014)

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Volume: 164

Page: 167-182

Accession number: WOS:000370461200014

Document Type:Article

[Experimental and kinetic modeling study of a rich and a stoichiometric low-pressure premixed laminar 2,5-dimethylfuran/oxygen/argon flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400016)

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Volume: 162

Page: 4586-4597

Accession number: WOS:000367211400016

Document Type:Article

[Direct numerical simulations of ignition of a lean n-heptane/air mixture with temperature and composition inhomogeneities relevant to HCCI and SCCI combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400015)

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By: Luong, Minh Bau; Yu, Gwang Hyeon; Lu, Tianfeng; Chung, Suk Ho; Yoo, Chun Sang

Volume: 162

Page: 4566-4585

Accession number: WOS:000367211400015

Document Type:Article

[Gibbs function continuation for linearly constrained multiphase equilibria](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400011)

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Volume: 162

Page: 4514-4522

Accession number: WOS:000367211400011

Document Type:Article

[DC field response of one-dimensional flames using an ionized layer model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600025)

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Volume: 163

Page: 317-325

Accession number: WOS:000367278600025

Document Type:Article

[A flame particle tracking analysis of turbulence-chemistry interaction in hydrogen-air premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600019)

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By: Uranakara, Harshavardhana A.; Chaudhuri, Swetaprovo; Dave, Himanshu L.; Arias, Paul G.; Im, Hong G.

Volume: 163

Page: 220-240

Accession number: WOS:000367278600019

Document Type:Article

[An experimental and kinetic modeling study of n-dodecane pyrolysis and 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%3A000367278600002)

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By: Banerjee, Sayak; Tangko, Rei; Sheen, David A.; Wang, Hai; Bowman, C. Tom

Volume: 163

Page: 12-30

Accession number: WOS:000367278600002

Document Type:Article

[Simulations of laminar non-premixed flames of methane with hot combustion products as oxidiser](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600001)

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Volume: 163

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Accession number: WOS:000367278600001

Document Type:Article

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Volume: 162

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Accession number: WOS:000363998300020

Document Type:Article

[Counterflow nonpremixed flame DC displacement under AC 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%3A000363998300016)

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Volume: 162

Page: 4254-4263

Accession number: WOS:000363998300016

Document Type:Article

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Volume: 162

Page: 3785-3802

Accession number: WOS:000361925600028

Document Type:Article

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Volume: 162

Page: 3740-3754

Accession number: WOS:000361925600025

Document Type:Article

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Volume: 162

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Accession number: WOS:000361925600023

Document Type:Article

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Volume: 162

Page: 2529-2543

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[On the uncertainty of temperature estimation in a rapid compression machine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600019)

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Volume: 162

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Accession number: WOS:000360592600019

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Volume: 162

Page: 2496-2507

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Volume: 162

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Accession number: WOS:000360779100022

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[Large Eddy Simulations of a turbulent premixed swirl flame using an algebraic scalar dissipation rate closure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100005)

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Volume: 162

Page: 3180-3196

Accession number: WOS:000360779100005

Document Type:Article

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Page: 2231-2247

Accession number: WOS:000358561500052

Document Type:Article

[A methodology for estimation of local heat fluxes in steady laminar boundary layer diffusion flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500051)

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Volume: 162

Page: 2214-2230

Accession number: WOS:000358561500051

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[A model for hot spot formation in shocked energetic 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%3A000358561500013)

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Volume: 162

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Accession number: WOS:000358561500013

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Volume: 162

Page: 1868-1883

Accession number: WOS:000358561500023

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Volume: 162

Page: 1840-1847

Accession number: WOS:000358561500020

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[Kinetic modeling study of benzene and PAH formation in laminar methane flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500007)

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Volume: 162

Page: 1692-1711

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Volume: 162

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Accession number: WOS:000351794100042

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Volume: 162

Page: 1540-1549

Accession number: WOS:000351794100055

Document Type:Article

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Volume: 162

Page: 1530-1539

Accession number: WOS:000351794100054

Document Type:Article

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Volume: 162

Page: 1316-1325

Accession number: WOS:000351794100036

Document Type:Article

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Accession number: WOS:000351794100035

Document Type:Article

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Volume: 162

Page: 1167-1175

Accession number: WOS:000351794100024

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Volume: 162

Page: 745-758

Accession number: WOS:000351250400019

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[Simulation of turbulent lifted methane jet flames: Effects of air-dilution and transient flame propagation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400015)

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Volume: 162

Page: 703-716

Accession number: WOS:000351250400015

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[Devolatilization of a single fuel particle in a fluidized bed under oxy-combustion conditions. Part B: Modeling and comparison with measurements](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400024)

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Volume: 162

Page: 809-818

Accession number: WOS:000351250400024

Document Type:Article

[Combustion inhibition and enhancement of premixed methane-air flames by halon replacements](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600004)

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Volume: 162

Page: 41-49

Accession number: WOS:000346393600004

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[The role of low temperature chemistry in combustion mode development under elevated pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600015)

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Volume: 174

Page: 179-193

Accession number: WOS:000390614600015

Document Type:Article

[Does sensitivity of measured scaling exponents for turbulent burning velocity to flame configuration prove lack of generality of notion of turbulent burning velocity?](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500008)

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Volume: 173

Page: 77-88

Accession number: WOS:000385909500008

Document Type:Article

[Combustion of boron particles in products of an air-acetylene flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400016)

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Volume: 172

Page: 194-205

Accession number: WOS:000383922400016

Document Type:Article

[The transition of ethanol flames from conventional to MILD combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000016)

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Volume: 171

Page: 173-184

Accession number: WOS:000382513000016

Document Type:Article

[On the experimental determination of growth and damping rates for combustion instabilities](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600023)

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Volume: 169

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Accession number: WOS:000378583600023

Document Type:Article

[Density functional theory study on two different oxygen enhancement mechanisms during NO-char interaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600002)

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Volume: 169

Page: 11-18

Accession number: WOS:000378583600002

Document Type:Article

[A detailed combined experimental and theoretical study on dimethyl ether/propane blended 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%3A000377148900025)

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Volume: 168

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Document Type:Article

[Coupled dynamics of lift-off and precessing vortex core formation in swirl flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900019)

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Volume: 168

Page: 228-239

Accession number: WOS:000377148900019

Document Type:Article

[Particulate matter indices using fuel smoke point for vehicle emissions with gasoline, ethanol blends, and butanol 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%3A000374802900026)

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Volume: 167

Page: 308-319

Accession number: WOS:000374802900026

Document Type:Article

[Fuel and chemistry effects in high Karlovitz premixed turbulent flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900025)

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Volume: 167

Page: 294-307

Accession number: WOS:000374802900025

Document Type:Article

[Numerical investigation on separate physicochemical effects of carbon dioxide on coal char combustion in O-2/CO2 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%3A000374802900005)

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Volume: 167

Page: 52-59

Accession number: WOS:000374802900005

Document Type:Article

[Electron microscopic characterization of soot particulate matter emitted by modern direct injection gasoline engines](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300027)

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Volume: 166

Page: 307-315

Accession number: WOS:000372768300027

Document Type:Article

[Premixed flame response to helical disturbances: Mean flame non-axisymmetry 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%3A000371561400015)

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Volume: 165

Page: 188-197

Accession number: WOS:000371561400015

Document Type:Article

[Particle size distribution of nascent soot in lightly and heavily sooting premixed ethylene flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400014)

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Volume: 165

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Accession number: WOS:000371561400014

Document Type:Article

[Evolution of flame-kernel in laser-induced spark ignited mixtures: A parametric study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200025)

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Volume: 164

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Accession number: WOS:000370461200025

Document Type:Article

[Double-distribution-function discrete Boltzmann model for combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200011)

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Volume: 164

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Accession number: WOS:000370461200011

Document Type:Article

[Solid-flame: Experimental validation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600040)

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Accession number: WOS:000367278600040

Document Type:Article

[Numerical study of laminar flame speed of fuel-stratified hydrogen/air flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600031)

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Accession number: WOS:000367278600031

Document Type:Article

[LES of knocking in engines using dual heat transfer and two-step reduced schemes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300019)

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Volume: 162

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Accession number: WOS:000363998300019

Document Type:Article

[Stretch rate effects and flame surface densities in premixed turbulent combustion up to 1.25 MPa](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300009)

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Volume: 162

Page: 4158-4166

Accession number: WOS:000363998300009

Document Type:Article

[Reduced kinetic mechanisms of diesel fuel surrogate for engine CFD 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%3A000361925600045)

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Accession number: WOS:000361925600045

Document Type:Article

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Volume: 162

Page: 3946-3959

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Volume: 162

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Volume: 162

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Volume: 162

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Volume: 162

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Volume: 162

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Page: 2720-2728

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Volume: 162

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Volume: 162

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Volume: 162

Page: 2337-2347

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Volume: 162

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Volume: 162

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Volume: 162

Page: 1957-1963

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Volume: 162

Page: 3030-3045

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Volume: 162

Page: 3071-3080

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Volume: 162

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Volume: 162

Page: 2840-2854

Accession number: WOS:000356028600008

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[Visualization of multi-regime turbulent combustion in swirl-stabilized lean premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600017)

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Page: 2954-2958

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[Multi-environment probability density function approach for turbulent CH4/H-2 flames under the MILD combustion condition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100049)

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Page: 1464-1476

Accession number: WOS:000351794100049

Document Type:Article

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Volume: 162

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Document Type:Article

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Volume: 162

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Accession number: WOS:000351794100044

Document Type:Article

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Volume: 162

Page: 1550-1565

Accession number: WOS:000351794100056

Document Type:Article

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Accession number: WOS:000351794100032

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Volume: 162

Page: 1046-1062

Accession number: WOS:000351794100013

Document Type:Article

[Desorption kinetics of CO in char oxidation and gasification in O-2, CO2 and H2O](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400022)

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Volume: 162

Page: 788-796

Accession number: WOS:000351250400022

Document Type:Article

[Autoignition and combustion characteristics of kerosene droplets with dilute concentrations of aluminum nanoparticles at elevated temperatures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400021)

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Volume: 162

Page: 774-787

Accession number: WOS:000351250400021

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[Evolution of cellular structures on oblique detonation 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%3A000348411900015)

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Volume: 162

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Document Type:Article

[Investigation of the effect of electrode geometry on spark ignition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900014)

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Volume: 162

Page: 462-469

Accession number: WOS:000348411900014

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[Post discharge evolution of a spark igniter kernel](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600015)

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Volume: 162

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Accession number: WOS:000346393600015

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[Effects of high shear on the structure and thickness of turbulent premixed methane/air flames stabilized on a bluff-body burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600010)

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Volume: 162

Page: 100-114

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Volume: 162

Page: 60-67

Accession number: WOS:000346393600006

Document Type:Article

[Application of Jacobian defined direct interaction coefficient in DRGEP-based chemical mechanism reduction methods using different graph search algorithms](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600007)

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Volume: 174

Page: 77-84

Accession number: WOS:000390614600007

Document Type:Article

[Experimental and kinetic modeling study of butene isomer pyrolysis: Part I. 1-and 2-Butene](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500032)

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Volume: 173

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Accession number: WOS:000385909500032

Document Type:Article

[Experimental study on flame merging behaviors from two pool fires along the longitudinal centerline of model tunnel with natural ventilation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500029)

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Volume: 173

Page: 307-318

Accession number: WOS:000385909500029

Document Type:Article

[Oxidation kinetics and combustion of boron particles with modified 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%3A000385909500027)

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Volume: 173

Page: 288-295

Accession number: WOS:000385909500027

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[High-pressure oxidation of methane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400029)

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Volume: 172

Page: 349-364

Accession number: WOS:000383922400029

Document Type:Article

[Exploring the reaction mechanism in self-propagating Al/Ni multilayers by adding inert 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%3A000383922400009)

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Volume: 172

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Accession number: WOS:000383922400009

Document Type:Article

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Volume: 171

Page: 185-197

Accession number: WOS:000382513000017

Document Type:Article

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Volume: 171

Page: 112-118

Accession number: WOS:000382513000009

Document Type:Article

[Temperature and oxygen effects on oxidation-induced fragmentation of soot particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000002)

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Volume: 171

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Accession number: WOS:000382513000002

Document Type:Article

[Laminar burning velocity of acetic acid plus air flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800002)

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Volume: 170

Page: 12-29

Accession number: WOS:000381244800002

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[Shock-tube and plug-flow reactor study of the oxidation of fuel-rich CH4/O-2 mixtures enhanced with additives](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600025)

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Volume: 169

Page: 307-320

Accession number: WOS:000378583600025

Document Type:Article

[A comprehensive experimental and kinetic modeling study of tert-butanol combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600014)

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Volume: 169

Page: 154-170

Accession number: WOS:000378583600014

Document Type:Article

[Soot particle size measurements in ethylene diffusion flames at elevated pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600009)

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Volume: 169

Page: 85-93

Accession number: WOS:000378583600009

Document Type:Article

[Motion of single pulverized coal particles in a hot gas flow 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%3A000378583600007)

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Volume: 169

Page: 63-71

Accession number: WOS:000378583600007

Document Type:Article

[The role of spray-enhanced swirl flow for combustion stabilization in a stratified-charge DISI engine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900015)

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Volume: 168

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Accession number: WOS:000377148900015

Document Type:Article

[Experimental and numerical studies characterizing the burning dynamics of wildland 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%3A000377148900011)

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Volume: 168

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Accession number: WOS:000377148900011

Document Type:Article

[Experimental investigation of upstream flame propagation during boundary layer flashback of swirl flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900005)

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Accession number: WOS:000377148900005

Document Type:Article

[Degree of Disequilibrium analysis for automatic selection of kinetic constraints in the Rate-Controlled Constrained-Equilibrium method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900027)

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By: Beretta, Gian Paolo; Janbozorgi, Mohammad; Metghalchi, Hameed

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Accession number: WOS:000377148900027

Document Type:Article

[Effect of flow conditions on burn rates of metal particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900002)

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By: Wang, Song; Mohan, Salil; Dreizin, Edward L.

Volume: 168

Page: 10-19

Accession number: WOS:000377148900002

Document Type:Article

[Improvement of precision and accuracy of temperature imaging in sooting flames using two-line atomic fluorescence (TLAF)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900039)

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By: Gu, Dahe; Sun, Zhiwei; Nathan, Graham J.; Medwell, Paul R.; Alwahabi, Zeyad T.; et al.

Volume: 167

Page: 481-493

Accession number: WOS:000374802900039

Document Type:Article

[Detonation mode and frequency analysis under high loss conditions for stoichiometric propane-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%3A000374802900003)

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By: Jackson, Scott; Lee, Bok Jik; Shepherd, Joseph E.

Volume: 167

Page: 24-38

Accession number: WOS:000374802900003

Document Type:Article

[Thermal decomposition and combustion studies of catalyzed AN/KDN based solid propellants](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300028)

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By: Kumar, Pratim; Joshi, Puran C.; Kumar, Rajiv

Volume: 166

Page: 316-332

Accession number: WOS:000372768300028

Document Type:Article

[Effects of non-unity Lewis number of gas-phase species in turbulent nonpremixed sooting flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300018)

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By: Attili, Antonio; Bisetti, Fabrizio; Mueller, Michael E.; Pitsch, Heinz

Volume: 166

Page: 192-202

Accession number: WOS:000372768300018

Document Type:Article

[Modelling the impact of non-equilibrium discharges on reactive mixtures for simulations of plasma-assisted ignition in turbulent flows](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300013)

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By: Castela, Maria; Fiorina, Benoit; Coussement, Axel; Gicquel, Olivier; Darabiha, Nasser; et al.

Volume: 166

Page: 133-147

Accession number: WOS:000372768300013

Document Type:Article

[3D flame topography and curvature measurements at 5 kHz on a premixed turbulent Bunsen flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300006)

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By: Ma, Lin; Wu, Yue; Lei, Qingchun; Xu, Wenjiang; Carter, Campbell D.

Volume: 166

Page: 66-75

Accession number: WOS:000372768300006

Document Type:Article

[Combining LES of combustion chamber and an actuator disk theory to predict combustion noise in a helicopter engine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400021)

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By: Livebardon, Thomas; Moreau, Stephane; Gicquel, Laurent; Poinsot, Thierry; Bouty, Eric

Volume: 165

Page: 272-287

Accession number: WOS:000371561400021

Document Type:Article

[Comparative study of nonequilibrium plasma generation and plasma-assisted ignition for C-2-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%3A000371561400020)

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By: Kosarev, I. N.; Kindysheva, S. V.; Momot, R. M.; Plastinin, E. A.; Aleksandrov, N. L.; et al.

Volume: 165

Page: 259-271

Accession number: WOS:000371561400020

Document Type:Article

[Experimental and modeling study on pyrolysis of n-decane initiated by nitromethane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400019)

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By: Jia, Zhenjian; Wang, Zhandong; Cheng, Zhanjun; Zhou, Weixing

Volume: 165

Page: 246-258

Accession number: WOS:000371561400019

Document Type:Article

[Combustion characteristics of C4 iso-alkane oligomers: Experimental characterization of iso-dodecane as a jet fuel surrogate component](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400011)

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By: Won, Sang Hee; Haas, Francis M.; Tekawade, Aniket; Kosiba, Graham; Oehlschlaeger, Matthew A.; et al.

Volume: 165

Page: 137-143

Accession number: WOS:000371561400011

Document Type:Article

[Quantitative CH measurements in atmospheric-pressure, premixed flames of C-1-C-4 alkanes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400009)

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By: Versailles, Philippe; Watson, Graeme M. G.; Lipardi, Antonio C. A.; Bergthorson, Jeffrey M.

Volume: 165

Page: 109-124

Accession number: WOS:000371561400009

Document Type:Article

[On the controlling mechanism of the upper turnover states in the NTC 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%3A000370461200024)

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By: Ji, Weiqi; Zhao, Peng; He, Tanjin; He, Xin; Farooq, Aamir; et al.

Volume: 164

Page: 294-302

Accession number: WOS:000370461200024

Document Type:Article

[Parametric investigation of water loading on heavily carbonaceous syngases](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200010)

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By: Pugh, Daniel G.; Crayford, Andrew P.; Bowen, Philip J.; Al-Naama, Mohammed

Volume: 164

Page: 126-136

Accession number: WOS:000370461200010

Document Type:Article

[The mechanism by which CH2O and H2O2 additives affect the autoignition of CH4/air 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%3A000370461200009)

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By: Manias, Dimitris M.; Tingas, Efstathios Al.; Frouzakis, Christos E.; Boulouchos, Konstantinos; Goussis, Dimitris A.

Volume: 164

Page: 111-125

Accession number: WOS:000370461200009

Document Type:Article

[Large Eddy Simulations (LES) including Conditional Source-term Estimation (CSE) applied to two Delft-Jet-in-Hot-Coflow (DJHC) flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200006)

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Volume: 164

Page: 68-84

Accession number: WOS:000370461200006

Document Type:Article

[Simulation of shock-turbulence interaction in non-reactive flow and in turbulent deflagration and detonation regimes using one-dimensional turbulence](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200005)

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Volume: 164

Page: 53-67

Accession number: WOS:000370461200005

Document Type:Article

[Analysis of dynamic models for large eddy simulations of turbulent premixed combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400019)

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Volume: 162

Page: 4622-4642

Accession number: WOS:000367211400019

Document Type:Article

[Topology and burning rates of turbulent, lean, H-2/air flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400014)

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Volume: 162

Page: 4553-4565

Accession number: WOS:000367211400014

Document Type:Article

[Modeling of NO formation in low pressure premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600046)

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By: Lamoureux, Nathalie; El Merhubi, Hilal; Pillier, Laure; de Persis, Stephanie; Desgroux, Pascale

Volume: 163

Page: 557-575

Accession number: WOS:000367278600046

Document Type:Article

[On lumped-reduced reaction model for combustion of liquid 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%3A000367278600035)

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Volume: 163

Page: 437-446

Accession number: WOS:000367278600035

Document Type:Article

[High-repetition-rate planar measurements in the wake of a reacting jet injected into a swirling vitiated crossflow](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600020)

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Volume: 163

Page: 241-257

Accession number: WOS:000367278600020

Document Type:Article

[Soot oxidation-induced fragmentation: Part 2: Experimental investigation of the mechanism of fragmentation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600014)

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Volume: 163

Page: 170-178

Accession number: WOS:000367278600014

Document Type:Article

[Development of a novel flamelet-based model to include preferential diffusion effects in autoignition of CH4/H-2 flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300023)

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By: Abtahizadeh, Ebrahim; de Goey, Philip; van Oijen, Jeroen

Volume: 162

Page: 4358-4369

Accession number: WOS:000363998300023

Document Type:Article

[Ignition of low-density expandable polystyrene foam by a hot particle](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300004)

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By: Wang, Supan; Huang, Xinyan; Chen, Haixiang; Liu, Naian; Rein, Guillermo

Volume: 162

Page: 4112-4118

Accession number: WOS:000363998300004

Document Type:Article

[Laminar premixed flat non-stretched lean flames of hydrogen in air](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600051)

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Volume: 162

Page: 4063-4074

Accession number: WOS:000361925600051

Document Type:Article

[Understanding fuel anti-knock performances in modern SI engines using fundamental HCCI experiments](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600046)

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By: Yang, Yi; Dec, John E.; Sjoeberg, Magnus; Ji, Chunsheng

Volume: 162

Page: 4008-4015

Accession number: WOS:000361925600046

Document Type:Article

[A flame spread simulation based on a comprehensive solid pyrolysis model coupled with a detailed empirical flame structure representation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600036)

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By: Leventon, Isaac T.; Li, Jing; Stoliarov, Stanislav I.

Volume: 162

Page: 3884-3895

Accession number: WOS:000361925600036

Document Type:Article

[Liquid jet breakup regimes at supercritical pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600017)

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Volume: 162

Page: 3648-3657

Accession number: WOS:000361925600017

Document Type:Article

[Blow-out limits of nonpremixed turbulent jet flames in a cross flow at atmospheric and sub-atmospheric pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600009)

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Volume: 162

Page: 3562-3568

Accession number: WOS:000361925600009

Document Type:Article

[Spontaneous ignition of isolated n-heptane droplets at low, intermediate, and high ambient temperatures from a mixture-fraction 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%3A000360592600021)

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By: Borghesi, Giulio; Mastorakos, Epaminondas

Volume: 162

Page: 2544-2560

Accession number: WOS:000360592600021

Document Type:Article

[The effect of oxidation pressure on the equilibrium nanostructure of soot particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600010)

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Volume: 162

Page: 2422-2430

Accession number: WOS:000360592600010

Document Type:Article

[Experimental characterization of galloping detonations in unstable 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%3A000360592600008)

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Volume: 162

Page: 2405-2413

Accession number: WOS:000360592600008

Document Type:Article

[Effects of rheological properties on reactivity of energetic thin 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%3A000360779100013)

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Volume: 162

Page: 3288-3293

Accession number: WOS:000360779100013

Document Type:Article

[Combustion wave propagation through a bank of cross-flow cylinders](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100010)

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By: Pinos, Thomas; Ciccarelli, Gaby

Volume: 162

Page: 3254-3262

Accession number: WOS:000360779100010

Document Type:Article

[Coal and biomass char reactivities in gasification and combustion 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%3A000360779100008)

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By: Tilghman, Matthew B.; Mitchell, Reginald E.

Volume: 162

Page: 3220-3235

Accession number: WOS:000360779100008

Document Type:Article

[1-, 2-and 3-Pentanol combustion in laminar hydrogen flames - A comparative experimental and modeling study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100006)

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Volume: 162

Page: 3197-3209

Accession number: WOS:000360779100006

Document Type:Article

[Influence of water vapor on hydrocarbon combustion in the presence of hydrofluorocarbon 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%3A000358561500058)

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Volume: 162

Page: 2307-2310

Accession number: WOS:000358561500058

Document Type:Article

[CS2 and COS conversion under different combustion conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500043)

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By: Abian, Maria; Cebrian, Marta; Millera, Angela; Bilbao, Rafael; Alzueta, Maria U.

Volume: 162

Page: 2119-2127

Accession number: WOS:000358561500043

Document Type:Article

[Site-specific reaction rate constant measurements for various secondary and tertiary H-abstraction by OH radicals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500036)

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Volume: 162

Page: 2034-2044

Accession number: WOS:000358561500036

Document Type:Article

[Doubly Conditional Source-term Estimation (DCSE) applied to a series of lifted turbulent jet flames in cold air](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500031)

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By: Dovizio, Daniele; Labahn, Jeffrey W.; Devaud, Cecile B.

Volume: 162

Page: 1976-1986

Accession number: WOS:000358561500031

Document Type:Article

[The effect of methyl pentanoate addition on the structure of premixed fuel-rich n-heptane/toluene flame at atmospheric 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%3A000358561500030)

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Volume: 162

Page: 1964-1975

Accession number: WOS:000358561500030

Document Type:Article

[The effect of encapsulated nanosized catalysts on the combustion of composite solid propellants](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500018)

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By: Isert, Sarah; Groven, Lori J.; Lucht, Robert P.; Son, Steven F.

Volume: 162

Page: 1821-1828

Accession number: WOS:000358561500018

Document Type:Article

[JP-10 combustion studied with shock tube experiments and modeled with automatic reaction mechanism 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%3A000356999700011)

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Volume: 162

Page: 3115-3129

Accession number: WOS:000356999700011

Document Type:Article

[Electrospray formation and combustion characteristics of iodine-containing Al/CuO nanothermite microparticles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600006)

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Volume: 162

Page: 2823-2829

Accession number: WOS:000356028600006

Document Type:Article

[Validation of turbulent flame speed models for methane-air-mixtures at high pressure gas engine conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600003)

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Volume: 162

Page: 2778-2787

Accession number: WOS:000356028600003

Document Type:Article

[Commentary on the heat transfer mechanisms controlling propagation in nanothermites](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600018)

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Volume: 162

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Accession number: WOS:000356028600018

Document Type:Article

[Fluid motion and energy transfer within burning liquid fuel pools of various thicknesses](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100050)

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By: Vali, Alireza; Nobes, David S.; Kostiuk, Larry W.

Volume: 162

Page: 1477-1488

Accession number: WOS:000351794100050

Document Type:Article

[Flash-ignitable nanoenergetic materials with tunable underwater explosion reactivity: The role of sea urchin-like 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%3A000351794100047)

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By: Kim, Ji Hoon; Kim, Sang Beom; Choi, Min Goo; Kim, Dae Hyun; Kim, Kyung Tae; et al.

Volume: 162

Page: 1448-1454

Accession number: WOS:000351794100047

Document Type:Article

[Ignition and combustion of Al center dot Mg alloy powders prepared by different 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%3A000351794100046)

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By: Aly, Yasmine; Dreizin, Edward L.

Volume: 162

Page: 1440-1447

Accession number: WOS:000351794100046

Document Type:Article

[Consumption speed and burning velocity in counter-gradient and gradient diffusion regimes of turbulent premixed combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100045)

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By: Kheirkhah, Sina; Guelder, Oemer L.

Volume: 162

Page: 1422-1439

Accession number: WOS:000351794100045

Document Type:Article

[Optical and spectroscopic diagnostics of laser-induced air breakdown and kerosene spray ignition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100059)

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By: Gebel, Gregor C.; Mosbach, Thomas; Meier, Wolfgang; Aigner, Manfred

Volume: 162

Page: 1599-1613

Accession number: WOS:000351794100059

Document Type:Article

[Dependence of sooting characteristics and temperature field of co-flow laminar pure and nitrogen-diluted ethylene-air diffusion flames on 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%3A000351794100057)

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By: Karatas, Ahmet E.; Guelder, Omer L.

Volume: 162

Page: 1566-1574

Accession number: WOS:000351794100057

Document Type:Article

[An automated target species selection method for dynamic adaptive chemistry 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%3A000351794100040)

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By: Curtis, Nicholas J.; Niemeyer, Kyle E.; Sung, Chih-Jen

Volume: 162

Page: 1358-1374

Accession number: WOS:000351794100040

Document Type:Article

[Global characteristics of non-premixed jet flames of hydrogen-hydrocarbon blended 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%3A000351794100037)

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By: Dong, Xue; Nathan, Graham J.; Mahmoud, Saleh; Ashman, Peter J.; Gu, Dahe; et al.

Volume: 162

Page: 1326-1335

Accession number: WOS:000351794100037

Document Type:Article

[Decomposition mechanisms of Cu-based oxygen carriers for chemical looping with oxygen uncoupling based on density functional theory 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%3A000351794100031)

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By: Zhang, Yongliang; Zhao, Haibo; Guo, Lei; Zheng, Chuguang

Volume: 162

Page: 1265-1274

Accession number: WOS:000351794100031

Document Type:Article

[Structure of hydrogen-rich transverse jets in a vitiated turbulent flow](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100029)

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By: Lyra, Sgouria; Wilde, Benjamin; Kolla, Hemanth; Seitzman, Jerry M.; Lieuwen, Timothy C.; et al.

Volume: 162

Page: 1234-1248

Accession number: WOS:000351794100029

Document Type:Article

[RANS modelling of a lifted H-2/N-2 flame using an unsteady flamelet progress variable approach with presumed PDF](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100002)

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By: Naud, Bertrand; Novella, Ricardo; Manuel Pastor, Jose; Winklinger, Johannes F.

Volume: 162

Page: 893-906

Accession number: WOS:000351794100002

Document Type:Article

[Impact of branched structures on cycloalkane ignition in a motored engine: Detailed product and conformational analyses](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100001)

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By: Kang, Dongil; Lilik, Gregory; Dillstrom, Vernon; Agudelo, John; Lapuerta, Magin; et al.

Volume: 162

Page: 877-892

Accession number: WOS:000351794100001

Document Type:Article

[Effect of vorticity waves on azimuthal instabilities in annular chambers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400010)

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By: Li, Lei; Sun, Xiaofeng

Volume: 162

Page: 628-641

Accession number: WOS:000351250400010

Document Type:Article

[Ignition and flameholding in a supersonic combustor by an electrical discharge combined with a fuel injector](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400026)

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By: Savelkin, Konstantin V.; Yarantsev, Dmitry A.; Adamovich, Igor V.; Leonov, Sergey B.

Volume: 162

Page: 825-835

Accession number: WOS:000351250400026

Document Type:Article

[Stabilization and liftoff length of a non-premixed methane/air jet flame discharging into a high-temperature environment: An accelerated transported PDF method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900010)

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By: Jangi, Mehdi; Zhao, Xinyu; Haworth, Dan C.; Bai, Xue-Song

Volume: 162

Page: 408-419

Accession number: WOS:000348411900010

Document Type:Article

[Hydrodynamic instability and shear layer effect on the response of an acoustically excited laminar premixed flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900006)

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By: Schlimpert, Stephan; Hemchandra, Santosh; Meinke, Matthias; Schroeder, Wolfgang

Volume: 162

Page: 345-367

Accession number: WOS:000348411900006

Document Type:Article

[A dynamic adaptive method for hybrid integration of stiff 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%3A000348411900002)

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By: Gao, Yang; Liu, Yufeng; Ren, Zhuyin; Lu, Tianfeng

Volume: 162

Page: 287-295

Accession number: WOS:000348411900002

Document Type:Article

[A simplified computational model of the oxidation of Zr/Al multilayers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600021)

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By: Vohra, Manav; Weihs, Timothy P.; Knio, Omar M.

Volume: 162

Page: 249-257

Accession number: WOS:000346393600021

Document Type:Article

[Steady and transient pyrolysis of thick clear PMMA slabs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600019)

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By: Pizzo, Yannick; Lallemand, Christine; Kacem, Ahmed; Kaiss, Ahmed; Gerardin, Jonathan; et al.

Volume: 162

Page: 226-236

Accession number: WOS:000346393600019

Document Type:Article

[A reduced multicomponent diffusion model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600007)

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By: Xin, Yuxuan; Liang, Wenkai; Liu, Wei; Lu, Tianfeng; Law, Chung K.

Volume: 162

Page: 68-74

Accession number: WOS:000346393600007

Document Type:Article

[Experimental investigation of the inner structure of premixed turbulent methane/air flames in the thin reaction zones 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%3A000346393600011)

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By: Tamadonfar, Parsa; Guelder, Oemer L.

Volume: 162

Page: 115-128

Accession number: WOS:000346393600011

Document Type:Article

[Turbulence/chemistry interactions in a ramp-stabilized supersonic hydrogen-air diffusion flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600013)

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By: Fulton, Jesse A.; Edwards, Jack R.; Cutler, Andrew; McDaniel, Jim; Goyne, Christopher

Volume: 174

Page: 152-165

Accession number: WOS:000390614600013

Document Type:Article

[On the merits of extrapolation-based stiff ODE solvers for combustion CFD](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600001)

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By: Imren, A.; Haworth, D. C.

Volume: 174

Page: 1-15

Accession number: WOS:000390614600001

Document Type:Article

[Propagating nonpremixed edge-flames in a counterflow, annular slot burner under DC electric 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%3A000385909500012)

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By: Manh-Vu Tran; Cha, Min Suk

Volume: 173

Page: 114-122

Accession number: WOS:000385909500012

Document Type:Article

[Mobility size distributions of soot in premixed propene flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400030)

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By: Lin, He; Gu, Chen; Camacho, Joaquin; Lin, Baiyang; Shao, Can; et al.

Volume: 172

Page: 365-373

Accession number: WOS:000383922400030

Document Type:Article

[Characterisation of two-stage ignition in diesel engine-relevant thermochemical conditions using direct numerical simulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400027)

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By: Krisman, Alex; Hawkes, Evatt R.; Talei, Monsen; Bhagatwala, Ankit; Chen, Jacqueline H.

Volume: 172

Page: 326-341

Accession number: WOS:000383922400027

Document Type:Article

[Investigation of intermittent oscillations in a premixed dump combustor using time-resolved particle image velocimetry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400026)

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By: Sampath, Ramgopal; Chakravarthy, Satyanarayanan R.

Volume: 172

Page: 309-325

Accession number: WOS:000383922400026

Document Type:Article

[Experimental investigation of detonation quenching in non-uniform compositions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400019)

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By: Boulal, Stephane; Vidal, Pierre; Zitoun, Ratiba

Volume: 172

Page: 222-233

Accession number: WOS:000383922400019

Document Type:Article

[Effects of methyl group on aromatic hydrocarbons on the nanostructures and oxidative reactivity of combustion-generated soot](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400001)

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By: Guerrero Pena, Gerardo D. J.; Alrefaai, Mhd Maher; Yang, Seung Yeon; Raj, Abhijeet; Brito, Joaquin L.; et al.

Volume: 172

Page: 1-12

Accession number: WOS:000383922400001

Document Type:Article

[Combustion instability feedback mechanisms in a lean-premixed swirl-stabilized combustor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000012)

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By: Kim, Kyu Tae

Volume: 171

Page: 137-151

Accession number: WOS:000382513000012

Document Type:Article

[Numerical study of laminar nonpremixed methane flames in coflow jets: Autoignited lifted flames with tribrachial edges and MILD combustion at elevated temperatures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000010)

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By: Al-Noman, Saeed M.; Choi, Sang Kyu; Chung, Suk Ho

Volume: 171

Page: 119-132

Accession number: WOS:000382513000010

Document Type:Article

[Autoignition of methyl butanoate under engine relevant conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000001)

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By: Kumar, Kamal; Sung, Chih-Jen

Volume: 171

Page: 1-14

Accession number: WOS:000382513000001

Document Type:Article

[A fully coupled fluid/solid model for open air combustion of horizontally-oriented PMMA samples](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800011)

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By: Kacem, Ahmed; Mense, Maxime; Pizzo, Yannick; Boyer, Germain; Suard, Sylvain; et al.

Volume: 170

Page: 135-147

Accession number: WOS:000381244800011

Document Type:Article

[Interaction of turbulent premixed flames with combustion products: Role of stoichiometry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800004)

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By: Coriton, Bruno; Frank, Jonathan H.; Gomez, Alessandro

Volume: 170

Page: 37-52

Accession number: WOS:000381244800004

Document Type:Article

[Premixed flame inhibition by CF3Br and C3H2F3Br (2-BTP)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600022)

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By: Pagliaro, John L.; Bouvet, N.; Linteris, Gregory T.

Volume: 169

Page: 272-286

Accession number: WOS:000378583600022

Document Type:Article

[NO formation in premixed flames of C-1-C-3 alkanes and 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%3A000378583600020)

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By: Watson, Graeme M. G.; Versailles, Philippe; Bergthorson, Jeffrey M.

Volume: 169

Page: 242-260

Accession number: WOS:000378583600020

Document Type:Article

[Flame dominated thermoacoustic instabilities in a system with high acoustic losses](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600017)

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By: Hoeijmakers, Maarten; Kornilov, Viktor; Arteaga, Ines Lopez; de Goey, Philip; Nijmeijer, Henk

Volume: 169

Page: 209-215

Accession number: WOS:000378583600017

Document Type:Article

[Edge flame structure in a turbulent lifted flame: A direct numerical simulation study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600011)

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By: Karami, Shahram; Hawkes, Evatt R.; Talei, Mohsen; Chen, Jacqueline H.

Volume: 169

Page: 110-128

Accession number: WOS:000378583600011

Document Type:Article

[Time-resolved detection of diffusion limited temperature gradients inside single isolated burning droplets using Rainbow Refractometry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900021)

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By: Rosebrock, Christopher D.; Shirinzadeh, Saeideh; Soeken, Mathias; Riefler, Norbert; Wriedt, Thomas; et al.

Volume: 168

Page: 255-269

Accession number: WOS:000377148900021

Document Type:Article

[Experimental study of 2,5-dimethylfuran and 2-methylfuran in a rapid compression machine: Comparison of the ignition delay times and reactivity at low to intermediate 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%3A000377148900018)

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By: Xu, Nan; Wu, Yingtao; Tang, Chenglong; Zhang, Peng; He, Xin; et al.

Volume: 168

Page: 216-227

Accession number: WOS:000377148900018

Document Type:Article

[Assessment of different chemistry reduction methods based on principal component analysis: Comparison of the MG-PCA and score-PCA approaches](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900009)

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By: Coussement, Axel; Isaac, Benjamin J.; Gicquel, Olivier; Parente, Alessandro

Volume: 168

Page: 83-97

Accession number: WOS:000377148900009

Document Type:Article

[Accelerate global sensitivity analysis using artificial neural network algorithm: Case studies for combustion kinetic model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900006)

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By: Li, Shuang; Yang, Bin; Qi, Fei

Volume: 168

Page: 53-64

Accession number: WOS:000377148900006

Document Type:Article

[Understanding overpressure in the FAA aerosol can test by C3H2F3Br (2-BTP)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900036)

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By: Linteris, Gregory Thomas; Babushok, Valeri Ivan; Pagliaro, John Leonard; Burgess, Donald Raymond, Jr.; Manion, Jeffrey Alan; et al.

Volume: 167

Page: 452-462

Accession number: WOS:000374802900036

Document Type:Article

[Effect of axial diffusion on the response of diffusion flames to axial flow perturbations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900032)

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By: Magina, Nicholas A.; Lieuwen, Timothy C.

Volume: 167

Page: 395-408

Accession number: WOS:000374802900032

Document Type:Article

[Experimental investigation of the response of laminar premixed flames to equivalence ratio oscillations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900014)

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By: Ax, Holger; Meier, Wolfgang

Volume: 167

Page: 172-183

Accession number: WOS:000374802900014

Document Type:Article

[Microwave-assisted plasma ignition in a constant volume combustion chamber](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900008)

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By: Hwang, Joonsik; Bae, Choongsik; Park, Jooyoung; Choe, Wonho; Cha, Jeonghwa; et al.

Volume: 167

Page: 86-96

Accession number: WOS:000374802900008

Document Type:Article

[Laser-induced breakdown spectroscopy measurements of mean mixture fraction in turbulent methane flames with a novel calibration scheme](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900007)

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By: Kotzagianni, M.; Yuan, R.; Mastorakos, E.; Couris, S.

Volume: 167

Page: 72-85

Accession number: WOS:000374802900007

Document Type:Article

[Combustion simulations of aqueous urea ammonium nitrate monofuel at high pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300026)

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By: Mosevitzky, Bar; Dana, Alon Grinberg; Shter, Gennady E.; Grader, Gideon S.

Volume: 166

Page: 295-306

Accession number: WOS:000372768300026

Document Type:Article

[Effects of simultaneous hydrogen enrichment and carbon dioxide dilution of fuel on soot formation in an axisymmetric coflow laminar ethylene/air diffusion flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300020)

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By: Gu, Mingyan; Chu, Huaqiang; Liu, Fengshan

Volume: 166

Page: 216-228

Accession number: WOS:000372768300020

Document Type:Article

[Two-dimensional flow effects on soot formation in laminar premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300011)

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By: Xuan, Y.; Blanquart, G.

Volume: 166

Page: 113-124

Accession number: WOS:000372768300011

Document Type:Article

[Measurements of the concentrations of positive and negative ions along premixed fuel-rich flames of methane and 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%3A000372768300009)

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By: Jones, Howard R. N.; Hayhurst, Allan N.

Volume: 166

Page: 86-97

Accession number: WOS:000372768300009

Document Type:Article

[Effects of CO2 addition on the evolution of particle size distribution functions in premixed ethylene flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400033)

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By: Tang, Quanxi; Mei, Junyu; You, Xiaoqing

Volume: 165

Page: 424-432

Accession number: WOS:000371561400033

Document Type:Article

[Direct numerical simulation of a turbulent lean premixed CH4/H-2-Air slot flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400031)

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By: Cecere, D.; Giacomazzi, E.; Arcidiacono, N. M.; Picchia, F. R.

Volume: 165

Page: 384-401

Accession number: WOS:000371561400031

Document Type:Article

[Experimental and theoretical study on the interaction between two identical micro-slot diffusion flames: Burner pitch 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%3A000371561400026)

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By: Kuwana, Kazunori; Kato, Seia; Kosugi, Akihiro; Hirasawa, Taro; Nakamura, Yuji

Volume: 165

Page: 346-353

Accession number: WOS:000371561400026

Document Type:Article

[Raman scattering measurements of mixing and finite-rate chemistry in a supersonic reacting flow over a piloted, ramped 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%3A000371561400023)

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Volume: 165

Page: 310-320

Accession number: WOS:000371561400023

Document Type:Article

[Reaction mechanism for the oxidation of zigzag site on polycyclic aromatic hydrocarbons in soot by O-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%3A000371561400003)

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By: Chaparala, Sree V.; Raj, Abhijeet

Volume: 165

Page: 21-33

Accession number: WOS:000371561400003

Document Type:Article

[Jet flame heights, lift-off distances, and mean flame surface density for extensive ranges of fuels and flow rates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200033)

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By: Bradley, Derek; Gaskell, Philip H.; Gu, Xiaojun; Palacios, Adriana

Volume: 164

Page: 400-409

Accession number: WOS:000370461200033

Document Type:Article

[Direct prediction of laminar burning velocity and quenching distance of hydrogen-air flames using an annular stepwise diverging tube (ASDT)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200032)

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Volume: 164

Page: 397-399

Accession number: WOS:000370461200032

Document Type:Article

[Combined optical and TEM investigations for a detailed characterization of soot aggregate properties in a laminar coflow diffusion flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200030)

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Volume: 164

Page: 373-385

Accession number: WOS:000370461200030

Document Type:Article

[Effects of methyl substitution on the auto-ignition of C16 alkanes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200021)

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By: Lapuerta, Magin; Hernandez, Juan J.; Sarathy, S. Mani

Volume: 164

Page: 259-269

Accession number: WOS:000370461200021

Document Type:Article

[Electric field effects in the presence of chemi-ionization on droplet burning](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200008)

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By: Patyal, Advitya; Kyritsis, Dimitrios; Matalon, Moshe

Volume: 164

Page: 99-110

Accession number: WOS:000370461200008

Document Type:Article

[Transitions and blowoff of unconfined non-premixed swirling flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200004)

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Volume: 164

Page: 35-52

Accession number: WOS:000370461200004

Document Type:Article

[Shock tube/laser absorption measurements of methane, acetylene and ethylene during the pyrolysis of n-pentane and iso-pentane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200001)

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Volume: 164

Page: 1-9

Accession number: WOS:000370461200001

Document Type:Article

[Kinetic modeling and sensitivity analysis of plasma-assisted oxidation in a H-2/O-2/Ar mixture](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200019)

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By: Togai, Kuninori; Tsolas, Nicholas; Yetter, Richard A.

Volume: 164

Page: 239-249

Accession number: WOS:000370461200019

Document Type:Article

[Effects of convective motion in n-octane pool fires in an ice 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%3A000367211400020)

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Volume: 162

Page: 4643-4648

Accession number: WOS:000367211400020

Document Type:Article

[Rich spray-flame propagating through a 2D-Lattice of alkane droplets in air](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400017)

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By: Nicoli, C.; Denet, B.; Haldenwang, P.

Volume: 162

Page: 4598-4611

Accession number: WOS:000367211400017

Document Type:Article

[A computational study of ethylene-air sooting flames: Effects of 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%3A000367278600034)

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Volume: 163

Page: 427-436

Accession number: WOS:000367278600034

Document Type:Article

[On the pressure dependence of ignition and mixing in two-dimensional reactive shock-bubble interaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600033)

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Volume: 163

Page: 414-426

Accession number: WOS:000367278600033

Document Type:Article

[A numerical investigation of the influence of radiation and moisture content on pyrolysis and ignition of a leaf-like fuel element](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600024)

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Volume: 163

Page: 301-316

Accession number: WOS:000367278600024

Document Type:Article

[Laminar flame speeds under engine-relevant conditions: Uncertainty quantification and minimization in spherically expanding flame experiments](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600022)

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Volume: 163

Page: 270-283

Accession number: WOS:000367278600022

Document Type:Article

[A char combustion sub-model for CFD-predictions of fluidized bed combustion - experiments and mathematical modeling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600016)

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Volume: 163

Page: 188-201

Accession number: WOS:000367278600016

Document Type:Article

[Characterizing spray flame-vortex interaction: A spray spectral diagram for extinction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600009)

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By: Franzelli, Benedetta; Vie, Aymeric; Ihme, Matthias

Volume: 163

Page: 100-114

Accession number: WOS:000367278600009

Document Type:Article

[Combustion kinetics of laser irradiated porous graphite from imaging Fourier transform 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%3A000367278600008)

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Volume: 163

Page: 90-99

Accession number: WOS:000367278600008

Document Type:Article

[Premixed flame inhibition by C2HF3Cl2 and C2HF5](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600005)

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Volume: 163

Page: 54-65

Accession number: WOS:000367278600005

Document Type:Article

[Effects of stratification on locally lean, near-stoichiometric, and rich iso-octane/air turbulent V-flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300014)

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Volume: 162

Page: 4231-4240

Accession number: WOS:000363998300014

Document Type:Article

[Homogenization and fingering instability of a microgravity smoldering combustion problem with radiative heat 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%3A000361925600050)

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Volume: 162

Page: 4046-4062

Accession number: WOS:000361925600050

Document Type:Article

[Radical quenching of metal wall surface in a methane-air premixed flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600049)

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By: Saiki, Yu; Fan, Yong; Suzuki, Yuji

Volume: 162

Page: 4036-4045

Accession number: WOS:000361925600049

Document Type:Article

[Mixed butanols addition to gasoline surrogates: Shock tube ignition delay time measurements and chemical kinetic modeling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600043)

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Volume: 162

Page: 3971-3979

Accession number: WOS:000361925600043

Document Type:Article

[Temperature measurements in a rapid compression machine using anisole planar laser-induced 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%3A000361925600042)

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Volume: 162

Page: 3960-3970

Accession number: WOS:000361925600042

Document Type:Article

[Experimental and numerical study of soot formation in laminar coflow diffusion flames of gasoline/ethanol 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%3A000361925600039)

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Volume: 162

Page: 3925-3933

Accession number: WOS:000361925600039

Document Type:Article

[LES-CMC study of an excited hydrogen flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600035)

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Volume: 162

Page: 3864-3883

Accession number: WOS:000361925600035

Document Type:Article

[Oxidation of crystalline polyethylene](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600020)

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Volume: 162

Page: 3681-3690

Accession number: WOS:000361925600020

Document Type:Article

[Perfectly stirred reactor model to evaluate extinction of diffusion flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600015)

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By: Snegirev, A. Yu.

Volume: 162

Page: 3622-3631

Accession number: WOS:000361925600015

Document Type:Article

[Experimental study of combustion of composite fuel comprising n-decane and aluminum 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%3A000361925600008)

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By: Smirnov, Valery V.; Kostritsa, Sergey A.; Kobtsev, Vitaly D.; Titova, Nataliya S.; Starik, Aleksander M.

Volume: 162

Page: 3554-3561

Accession number: WOS:000361925600008

Document Type:Article

[Chemical looping dechlorination through adsorbent-decorated Fe2O3/Al2O3 oxygen carriers](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600005)

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By: Wang, Jinxing; Zhao, Haibo

Volume: 162

Page: 3503-3515

Accession number: WOS:000361925600005

Document Type:Article

[Stability of spinning detonation waves](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600030)

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By: Wu, Yuwen; Lee, John H. S.

Volume: 162

Page: 2660-2669

Accession number: WOS:000360592600030

Document Type:Article

[Dynamics of bluff-body-stabilized premixed hydrogen/air flames in a narrow channel](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600026)

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By: Lee, Bok Jik; Yoo, Chun Sang; Im, Hong G.

Volume: 162

Page: 2602-2609

Accession number: WOS:000360592600026

Document Type:Article

[Comparison of accuracy and computational expense of radiation models in simulation of non-premixed turbulent jet flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600016)

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By: Pal, Gopalendu; Gupta, Ankur; Modest, Michael F.; Haworth, Daniel C.

Volume: 162

Page: 2487-2495

Accession number: WOS:000360592600016

Document Type:Article

[Investigation of 2,5-dimethyl furan and iso-octane ignition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600013)

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By: Eldeeb, Mazen A.; Akih-Kumgeh, Benjamin

Volume: 162

Page: 2454-2465

Accession number: WOS:000360592600013

Document Type:Article

[Impact of numerics on the predictive capabilities of reacting flow LES](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100023)

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By: Cocks, Peter A. T.; Soteriou, Marios C.; Sankaran, Vaidyanathan

Volume: 162

Page: 3394-3411

Accession number: WOS:000360779100023

Document Type:Article

[Maximum stretched flame speeds of laminar premixed counter-flow flames at variable Lewis number](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100017)

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By: Salusbury, Sean D.; Bergthorson, Jeffrey M.

Volume: 162

Page: 3324-3332

Accession number: WOS:000360779100017

Document Type:Article

[Experimental and kinetic modeling study of n-pentanol pyrolysis and combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100012)

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By: Wang, Gao; Yuan, Wenhao; Li, Yuyang; Zhao, Long; Qi, Fei

Volume: 162

Page: 3277-3287

Accession number: WOS:000360779100012

Document Type:Article

[A pre-partitioned adaptive chemistry methodology for the efficient implementation of combustion chemistry in particle PDF 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%3A000360779100009)

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By: Liang, Youwen; Pope, Stephen B.; Pepiot, Perrine

Volume: 162

Page: 3236-3253

Accession number: WOS:000360779100009

Document Type:Article

[Analysis of the sooting propensity of C-4 and C-5 oxygenates: Comparison of sooting indexes issued from laser-based experiments and group additivity approaches](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100002)

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By: Lemaire, Romain; Lapalme, Denis; Seers, Patrice

Volume: 162

Page: 3140-3155

Accession number: WOS:000360779100002

Document Type:Article

[Analysis of in-cylinder H2O2 and HO2 distributions in an HCCI engine - Comparison of laser-diagnostic results with CFD and SRM 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%3A000360779100001)

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By: Coskun, Gokhan; Jonsson, Malin; Bood, Joakim; Tuner, Martin; Algotsson, Martin; et al.

Volume: 162

Page: 3131-3139

Accession number: WOS:000360779100001

Document Type:Article

[The effect of impurities on syngas combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500056)

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Volume: 162

Page: 2286-2295

Accession number: WOS:000358561500056

Document Type:Article

[Simultaneous measurement of internal and external properties of nanoparticles in flame based on thermophoresis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500050)

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By: Xu, Zuwei; Zhao, Haibo

Volume: 162

Page: 2200-2213

Accession number: WOS:000358561500050

Document Type:Article

[A study on the influence of burning rate on engine knock from empirical data and simulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500042)

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Volume: 162

Page: 2108-2118

Accession number: WOS:000358561500042

Document Type:Article

[Global stability analysis of gasless flames propagating in a cylindrical sample of energetic material: Influence of radiative heat-losses](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500033)

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By: Kurdyumov, Vadim N.; Jimenez, Carmen; Gubernov, Vladimir V.; Kolobov, Andrei V.

Volume: 162

Page: 1996-2005

Accession number: WOS:000358561500033

Document Type:Article

[Near-lean limit combustion regimes of low-Lewis-number stretched premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500008)

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Volume: 162

Page: 1712-1718

Accession number: WOS:000358561500008

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[Experimental and numerical investigation of flame speed retardation by water mist](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500014)

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By: Yoshida, Akira; Okawa, Toichiro; Ebina, Wataru; Naito, Hiroyoshi

Volume: 162

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Accession number: WOS:000358561500014

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[Investigation of the sampling nozzle effect on laminar flat flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500011)

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By: Deng, Lei; Kempf, Andreas; Hasemann, Olaf; Korobeinichev, Oleg P.; Wlokas, Irenaeus

Volume: 162

Page: 1737-1747

Accession number: WOS:000358561500011

Document Type:Article

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Volume: 162

Page: 1660-1678

Accession number: WOS:000358561500005

Document Type:Article

[Shock-induced ignition of methane sensitized by NO2 and N2O](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356999700007)

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Volume: 162

Page: 3053-3070

Accession number: WOS:000356999700007

Document Type:Article

[Dynamic sensing of blowout in turbulent CNG inverse jet flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356999700006)

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Volume: 162

Page: 3046-3052

Accession number: WOS:000356999700006

Document Type:Article

[Transition from pulled to pushed fronts in premixed turbulent combustion: Theoretical and numerical study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600012)

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Volume: 162

Page: 2893-2903

Accession number: WOS:000356028600012

Document Type:Article

[Time-resolved PIV of lean premixed combustion without and with porous inert media for acoustic control](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100014)

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Volume: 162

Page: 1063-1077

Accession number: WOS:000351794100014

Document Type:Article

[Re-creating Hottel's emissivity charts for carbon dioxide and extending them to 40 bar pressure using HITEMP-2010 data base](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400008)

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Volume: 162

Page: 597-612

Accession number: WOS:000351250400008

Document Type:Article

[A microscale combustion calorimeter study of gas phase combustion of 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%3A000351250400029)

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Volume: 162

Page: 855-863

Accession number: WOS:000351250400029

Document Type:Article

[Temporal release of potassium from pinewood particles during combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900018)

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Volume: 162

Page: 496-505

Accession number: WOS:000348411900018

Document Type:Article

[Ignition of ethanol-containing mixtures excited by nanosecond discharge above self-ignition threshold](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600005)

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Volume: 162

Page: 50-59

Accession number: WOS:000346393600005

Document Type:Article

[Modeling turbulence-chemistry interaction in lean premixed hydrogen flames with a strained flamelet model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600016)

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Volume: 174

Page: 194-207

Accession number: WOS:000390614600016

Document Type:Article

[A posteriori tests of a dynamic thickened flame model for large eddy simulations of turbulent premixed combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600014)

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Volume: 174

Page: 166-178

Accession number: WOS:000390614600014

Document Type:Article

[A multi-chamber model of combustion instabilities and its assessment using kilohertz laser diagnostics in a gas turbine model combustor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600011)

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Volume: 174

Page: 120-137

Accession number: WOS:000390614600011

Document Type:Article

[Study on sooting behavior of premixed C-1-C-4 n-alkanes/air flames using a micro flow reactor with a controlled temperature profile](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600009)

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Volume: 174

Page: 100-110

Accession number: WOS:000390614600009

Document Type:Article

[Shock Mach number influence on reaction wave types and mixing in reactive shock-bubble interaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600008)

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By: Diegelmann, Felix; Hickel, Stefan; Adams, Nikolaus A.

Volume: 174

Page: 85-99

Accession number: WOS:000390614600008

Document Type:Article

[5 kHz thermometry in a swirl-stabilized gas turbine model combustor using chirped probe pulse femtosecond CARS. Part 2. Analysis of swirl flame 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%3A000385909500039)

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Volume: 173

Page: 454-467

Accession number: WOS:000385909500039

Document Type:Article

[5 kHz thermometry in a swirl-stabilized gas turbine model combustor using chirped probe pulse femtosecond CARS. Part 1: Temporally resolved swirl-flame thermometry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500038)

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Volume: 173

Page: 441-453

Accession number: WOS:000385909500038

Document Type:Article

[Time-resolved carbon monoxide measurements during the low- to intermediate-temperature oxidation of n-heptane, n-decane, and n-dodecane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500035)

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By: Tekawade, Aniket; Kosiba, Graham; Oehlschlaeger, Matthew A.

Volume: 173

Page: 402-410

Accession number: WOS:000385909500035

Document Type:Article

[An experimental and kinetic modeling study including coke formation for catalytic pyrolysis of furfural](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500024)

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By: Zhang, Huiyan; Wang, Yun; Shao, Shanshan; Xiao, Rui

Volume: 173

Page: 258-265

Accession number: WOS:000385909500024

Document Type:Article

[Kinetic studies of ozone assisted low temperature oxidation of dimethyl ether in a flow reactor using molecular-beam 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%3A000385909500018)

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Volume: 173

Page: 187-194

Accession number: WOS:000385909500018

Document Type:Article

[Experimental and kinetic modeling study of 1-hexene combustion at various pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500015)

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Volume: 173

Page: 151-160

Accession number: WOS:000385909500015

Document Type:Article

[Study of soot production for double injections of n-dodecane in CI engine-like conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500013)

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Volume: 173

Page: 123-131

Accession number: WOS:000385909500013

Document Type:Article

[Large-eddy simulation of methanol pool fires using an accelerated stochastic fields method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500009)

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By: Jangi, Mehdi; Altarawneh, Mohammednoor; Dlugogorski, Bogdan Z.

Volume: 173

Page: 89-98

Accession number: WOS:000385909500009

Document Type:Article

[Hypergolic ignition by head-on collision of N,N,N',N'-tetramethylethylenediamine and white fuming nitric acid droplets](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500026)

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By: Zhang, Dawei; Zhang, Peng; Yuan, Yueming; Zhang, Taichang

Volume: 173

Page: 276-287

Accession number: WOS:000385909500026

Document Type:Article

[Suppression and excitation of the precessing vortex core by acoustic velocity fluctuations: An experimental and analytical study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400020)

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By: Terhaar, S.; Cosic, B.; Paschereit, C. O.; Oberleithner, K.

Volume: 172

Page: 234-251

Accession number: WOS:000383922400020

Document Type:Article

[A sparse stiff chemistry solver based on dynamic adaptive integration for efficient combustion 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%3A000383922400015)

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By: Xu, Chao; Gao, Yang; Ren, Zhuyin; Lu, Tianfeng

Volume: 172

Page: 183-193

Accession number: WOS:000383922400015

Document Type:Article

[High-temperature, high-pressure burning velocities of expanding turbulent premixed flames and their comparison with Bunsen-type flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400014)

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Volume: 172

Page: 173-182

Accession number: WOS:000383922400014

Document Type:Article

[Effects of CO-to-H-2 ratio and diluents on ignition properties of syngas examined by weak flames in a micro flow reactor with a controlled temperature profile](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400008)

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Volume: 172

Page: 94-104

Accession number: WOS:000383922400008

Document Type:Article

[Doubly Conditional Source-term Estimation (DCSE) for the modelling of turbulent stratified V-shaped flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400007)

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By: Dovizio, D.; Devaud, C. S.

Volume: 172

Page: 79-93

Accession number: WOS:000383922400007

Document Type:Article

[Impact of the bluff-body material on the flame leading edge structure and flame-flow interaction of premixed CH4/air flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400006)

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Volume: 172

Page: 62-78

Accession number: WOS:000383922400006

Document Type:Article

[Modeling plasma-assisted methane-air ignition using pre-calculated electron impact reaction rates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400004)

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By: DeFilippo, Anthony C.; Chen, Jyh-Yuan

Volume: 172

Page: 38-48

Accession number: WOS:000383922400004

Document Type:Article

[Experimental and numerical investigation of the influence of thermal boundary conditions on premixed swirling flame stabilization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000004)

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By: Mercier, R.; Guiberti, T. F.; Chatelier, A.; Durox, D.; Gicquel, O.; et al.

Volume: 171

Page: 42-58

Accession number: WOS:000382513000004

Document Type:Article

[Effect of oxygen concentration and reaction order on char inventory in fluidized bed combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000019)

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Volume: 171

Page: 211-222

Accession number: WOS:000382513000019

Document Type:Article

[Influence of hydrocarbon moiety of DMMP on flame propagation in lean 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%3A000382513000015)

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By: Babushok, V. I.; Linteris, G. T.; Katta, V. R.; Takahashi, E.

Volume: 171

Page: 168-172

Accession number: WOS:000382513000015

Document Type:Article

[Non-intrusive detection of combustion intermediates by photoionization via Rydberg states and microwave backscattering](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000014)

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By: Rudakov, Fedor; Gao, Yan; Cheng, Xinxin; Weber, Peter M.

Volume: 171

Page: 162-167

Accession number: WOS:000382513000014

Document Type:Article

[Enhancement of hydrogen sulfide oxidation via excitation of oxygen molecules to the singlet delta state](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800010)

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By: Starik, A. M.; Savelieva, V. A.; Sharipov, A. S.; Titova, N. S.

Volume: 170

Page: 124-134

Accession number: WOS:000381244800010

Document Type:Article

[Effect of post injections on mixture preparation and unburned hydrocarbon emissions in a heavy-duty diesel engine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800009)

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By: O'Connor, Jacqueline; Musculus, Mark P. B.; Pickett, Lyle M.

Volume: 170

Page: 111-123

Accession number: WOS:000381244800009

Document Type:Article

[Stress relaxation in pre-stressed aluminum core-shell particles: X-ray diffraction study, modeling, and improved reactivity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800003)

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By: Levitas, Valery I.; McCollum, Jena; Pantoya, Michelle L.; Tamura, Nobumichi

Volume: 170

Page: 30-36

Accession number: WOS:000381244800003

Document Type:Article

[Rapid compression machine study of a premixed, variable inlet density and flow rate, confined turbulent jet](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600026)

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By: Gholamisheeri, Masumeh; Thelen, Bryce C.; Gentz, Gerald R.; Wichman, Indrek S.; Toulson, Elisa

Volume: 169

Page: 321-332

Accession number: WOS:000378583600026

Document Type:Article

[A parameterization of the Richtmyer-Meshkov instability on a premixed flame interface induced by the successive passages of shock waves](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600019)

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By: Jiang, Hua; Dong, Gang; Chen, Xiao; Li, Baoming

Volume: 169

Page: 229-241

Accession number: WOS:000378583600019

Document Type:Article

[Combustion characteristics of butanol isomers in multiphase droplet 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%3A000378583600018)

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By: Liu, Yu Cheng; Alam, Fahd E.; Xu, Yuhao; Dryer, Frederick L.; Avedisian, Thomas; et al.

Volume: 169

Page: 216-228

Accession number: WOS:000378583600018

Document Type:Article

[Re-creating Hottel's emissivity charts for water vapor and extending them to 40 bar pressure using HITEMP-2010 data base](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600013)

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Volume: 169

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Accession number: WOS:000378583600013

Document Type:Article

[Study of ignition chemistry on turbulent premixed flames of n-heptane/air by using a reactor assisted turbulent slot burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600003)

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By: Windom, Bret; Won, Sang Hee; Reuter, Christopher B.; Jiang, Bo; Ju, Yiguang; et al.

Volume: 169

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Accession number: WOS:000378583600003

Document Type:Article

[Partial premixing effects upon soot nanostructure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900031)

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By: Huang, Chung-Hsuan; Vander Wal, Randy L.

Volume: 168

Page: 403-408

Accession number: WOS:000377148900031

Document Type:Article

[Characterization of inverse diffusion flames in vitiated cross flows via two-photon planar laser-induced fluorescence of CO and 2-D thermometry](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900022)

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By: Richardson, Daniel R.; Jiang, Naibo; Blunck, David L.; Gord, James R.; Roy, Sukesh

Volume: 168

Page: 270-285

Accession number: WOS:000377148900022

Document Type:Article

[Effects of fuel gas addition to Claus furnace on the formation of soot 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%3A000377148900020)

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By: Mohammed, Shabin; Raj, Abhijeet; Al Shoaibi, Ahmed

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Accession number: WOS:000377148900020

Document Type:Article

[On periodic behavior of weakly turbulent premixed flame corrugations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900014)

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By: Kheirkhah, Sina; Guelder, Oemer L.; Maurice, Guillaume; Halter, Fabien; Goekalp, Iskender

Volume: 168

Page: 147-165

Accession number: WOS:000377148900014

Document Type:Article

[An efficient multi-fluid-mixing model for real gas reacting flows in liquid propellant rocket engines](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900010)

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By: Banuti, Daniel T.; Hannemann, Volker; Hannemann, Klaus; Weigand, Bernhard

Volume: 168

Page: 98-112

Accession number: WOS:000377148900010

Document Type:Article

[Flame dynamics in oscillating flows under autoignitive conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900008)

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By: Deng, Sili; Zhao, Peng; Mueller, Michael E.; Law, Chung K.

Volume: 168

Page: 75-82

Accession number: WOS:000377148900008

Document Type:Article

[High-speed flamefront imaging in premixed turbulent flames using planar laser-induced fluorescence of the CH C-X band](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900007)

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By: Carter, Campbell D.; Hammack, Stephen; Lee, Tonghun

Volume: 168

Page: 66-74

Accession number: WOS:000377148900007

Document Type:Article

[Fire spill plume from a compartment with dual symmetric openings under cross wind](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900033)

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By: Gao, Wei; Liu, Naian; Delichatsios, Michael; Yuan, Xieshang; Bai, Yueling; et al.

Volume: 167

Page: 409-421

Accession number: WOS:000374802900033

Document Type:Article

[Oscillating flames in micro-combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900031)

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By: Di Stazio, Annalisa; Chauveau, Christian; Dayma, Guillaume; Dagaut, Philippe

Volume: 167

Page: 392-394

Accession number: WOS:000374802900031

Document Type:Article

[A chemical kinetic modelling study of the combustion of CH4-CO-H-2-CO2 fuel 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%3A000374802900024)

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By: Fischer, M.; Jiang, X.

Volume: 167

Page: 274-293

Accession number: WOS:000374802900024

Document Type:Article

[The utilization of metal/metal oxide core-shell powders to enhance the reactivity of diluted thermite 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%3A000374802900022)

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By: Woll, Karsten; Gibbins, John David; Slusarski, Kyle; Kinsey, Alex H.; Weihs, Timothy P.

Volume: 167

Page: 259-267

Accession number: WOS:000374802900022

Document Type:Article

[Enhancement of turbulent flame speed of V-shaped flames in fractal-grid-generated turbulence](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900009)

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Volume: 167

Page: 97-112

Accession number: WOS:000374802900009

Document Type:Article

[Correlations between physicochemical properties of emitted diesel particulate matter and its reactivity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900004)

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By: Muehlbauer, Wolfgang; Zoellner, Christian; Lehmann, Sebastian; Lorenz, Sebastian; Brueggemann, Dieter

Volume: 167

Page: 39-51

Accession number: WOS:000374802900004

Document Type:Article

[In situ experimental study on the combustion characteristics of captured chars on the molten slag 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%3A000372768300029)

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By: Shen, Zhongjie; Liang, Qinfeng; Xu, Jianliang; Zhang, Binbin; Han, Dong; et al.

Volume: 166

Page: 333-342

Accession number: WOS:000372768300029

Document Type:Article

[Autoignition study of ULSD#2 and FD9A diesel 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%3A000372768300004)

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By: Kukkadapu, Goutham; Sung, Chih-Jen

Volume: 166

Page: 45-54

Accession number: WOS:000372768300004

Document Type:Article

[Droplet burning rate enhancement of ethanol with the addition of graphite nanoparticles: Influence of radiation absorption](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300003)

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By: Tanvir, Saad; Qiao, Li

Volume: 166

Page: 34-44

Accession number: WOS:000372768300003

Document Type:Article

[Strain rate effect on sooting characteristics in laminar counterflow diffusion flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400034)

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By: Wang, Yu; Chung, Suk Ho

Volume: 165

Page: 433-444

Accession number: WOS:000371561400034

Document Type:Article

[Simultaneous optical ignition and spectroscopy of a two-phase spray flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400025)

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By: Lee, Seok Hwan; Do, Hyungrok; Yoh, Jack J.

Volume: 165

Page: 334-345

Accession number: WOS:000371561400025

Document Type:Article

[Linear stability and adjoint sensitivity analysis of thermoacoustic networks with premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400008)

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Volume: 165

Page: 97-108

Accession number: WOS:000371561400008

Document Type:Article

[Reduced-order model of char burning for CFD modeling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400007)

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By: Zhang, Zhi; Li, Zhenshan; Cai, Ningsheng

Volume: 165

Page: 83-96

Accession number: WOS:000371561400007

Document Type:Article

[Comparative study of the counterflow forced ignition of the butanol isomers at atmospheric and elevated pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400004)

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By: Brady, Kyle B.; Hui, Xin; Sung, Chih-Jen

Volume: 165

Page: 34-49

Accession number: WOS:000371561400004

Document Type:Article

[Morphological changes of nano-Al agglomerates during reaction and its effect on combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400002)

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By: Kong, Chengdong; Yu, Dan; Yao, Qiang; Li, Shuiqing

Volume: 165

Page: 11-20

Accession number: WOS:000371561400002

Document Type:Article

[A detailed comparison of two sub-grid scale combustion models via large eddy simulation of the PRECCINSTA gas turbine model combustor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200027)

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By: Wang, Ping; Froehlich, Jochen; Maas, Ulrich; He, Zhi-xia; Wang, Cai-jun

Volume: 164

Page: 329-345

Accession number: WOS:000370461200027

Document Type:Article

[Application of optical diagnostics to the quantification of soot in n-alkane flames under diesel conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200017)

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By: Pastor, Jose V.; Garcia-Oliver, Jose M.; Garcia, Antonio; Mico, Carlos; Moeller, Sebastian

Volume: 164

Page: 212-223

Accession number: WOS:000370461200017

Document Type:Article

[Near-surface flame structure characterization of simplified ammonium perchlorate/hydroxyl-terminated polybutadiene compositions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200016)

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By: Isert, Sarah; Connell, Terry L.; Risha, Grant A.; Hedman, Trevor D.; Lucht, Robert P.; et al.

Volume: 164

Page: 201-211

Accession number: WOS:000370461200016

Document Type:Article

[An experimental and kinetic modeling study of gamma-valerolactone pyrolysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200015)

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By: De Bruycker, Ruben; Carstensen, Hans-Heinrich; Reyniers, Marie-Francoise; Marin, Guy B.; Simmie, John M.; et al.

Volume: 164

Page: 183-200

Accession number: WOS:000370461200015

Document Type:Article

[Gas phase flame structure of solid propellant sandwiches with different reaction 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%3A000370461200002)

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By: Gaduparthi, Trinath; Pandey, Manish; Chakravarthy, Satyanarayanan R.

Volume: 164

Page: 10-21

Accession number: WOS:000370461200002

Document Type:Article

[Direct spectrum matching of laser-induced breakdown for concentration and gas density measurements in turbulent reacting flows](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400008)

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By: McGann, Brendan; Carter, Campbell D.; Ombrello, Timothy; Do, Hyungrok

Volume: 162

Page: 4479-4485

Accession number: WOS:000367211400008

Document Type:Article

[Nonlinear analysis of an acoustically excited laminar premixed flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600027)

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By: Schlimpert, S.; Meinke, M.; Schroeder, W.

Volume: 163

Page: 337-357

Accession number: WOS:000367278600027

Document Type:Article

[Decomposition of ethylamine through bimolecular 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%3A000367278600044)

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By: Altarawneh, Mohammednoor; Almatarneh, Mansour H.; Marashdeh, Ali; Dlugogorski, Bogdan Z.

Volume: 163

Page: 532-539

Accession number: WOS:000367278600044

Document Type:Article

[The critical flow velocity for radiative extinction in opposed-flow flame spread in a microgravity environment: A comparison of experimental, computational, and theoretical 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%3A000367278600038)

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By: Bhattacharjee, Subrata; Simsek, Aslihan; Olson, Sandra; Ferkul, Paul

Volume: 163

Page: 472-477

Accession number: WOS:000367278600038

Document Type:Article

[A numerical study of laminar flames propagating in stratified 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%3A000367278600037)

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By: Zhang, Jiacheng; Abraham, John

Volume: 163

Page: 461-471

Accession number: WOS:000367278600037

Document Type:Article

[Study on combustion and ignition characteristics of ethylene, propylene, 1-butene and 1-pentene in a micro flow reactor with a controlled temperature profile](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600018)

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By: Kikui, Shogo; Nakamura, Hisashi; Tezuka, Takuya; Hasegawa, Susumu; Maruta, Kaoru

Volume: 163

Page: 209-219

Accession number: WOS:000367278600018

Document Type:Article

[Direct Numerical Simulations of premixed methane flame initiation by pilot n-heptane spray autoignition](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600011)

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By: Demosthenous, Elena; Borghesi, Giulio; Mastorakos, Epaminondas; Cant, Robert Stewart

Volume: 163

Page: 122-137

Accession number: WOS:000367278600011

Document Type:Article

[Di-n-buthylether, n-octanol, and n-octane as fuel candidates for diesel engine combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600006)

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By: Kerschgens, Bruno; Cai, Liming; Pitsch, Heinz; Heuser, Benedikt; Pischinger, Stefan

Volume: 163

Page: 66-78

Accession number: WOS:000367278600006

Document Type:Article

[Hot surface ignition of n-hexane in air](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600004)

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By: Menon, Shyam K.; Boettcher, Philipp A.; Ventura, Brian; Blanquart, Guillaume

Volume: 163

Page: 42-53

Accession number: WOS:000367278600004

Document Type:Article

[Structure of incipiently sooting partially premixed ethylene counterflow flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300007)

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By: Carbone, Francesco; Cattaneo, Francesco; Gomez, Alessandro

Volume: 162

Page: 4138-4148

Accession number: WOS:000363998300007

Document Type:Article

[A comparative study of thermochemistry models for oxy-coal combustion simulation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600047)

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By: Goshayeshi, Babak; Sutherland, James C.

Volume: 162

Page: 4016-4024

Accession number: WOS:000361925600047

Document Type:Article

[Analysis of chemiluminescence, density and heat release rate fluctuations in acoustically perturbed laminar premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600040)

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By: Li, J.; Durox, D.; Richecoeur, F.; Schuller, T.

Volume: 162

Page: 3934-3945

Accession number: WOS:000361925600040

Document Type:Article

[The effect of ozone addition on laminar flame speed](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600038)

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By: Gao, Xiang; Zhang, Yao; Adusumilli, Sampath; Seitzman, Jerry; Sun, Wenting; et al.

Volume: 162

Page: 3914-3924

Accession number: WOS:000361925600038

Document Type:Article

[Laminar burning velocity of nitromethane plus air flames: A comparison of flat and spherical flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600029)

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By: Naucler, Jenny D.; Nilsson, Elna J. K.; Konnov, Alexander A.

Volume: 162

Page: 3803-3809

Accession number: WOS:000361925600029

Document Type:Article

[Simulating combustion in a PCI (premixed compression ignition) engine using DI-SRM and 3 components surrogate model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600024)

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By: Ahmedi, A.; Ahmed, S. S.; Kalghatgi, G. T.

Volume: 162

Page: 3728-3739

Accession number: WOS:000361925600024

Document Type:Article

[Quantitative imaging of radiation from soot and carbon dioxide in a turbulent ethylene jet diffusion flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600022)

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By: Kapaku, Robert K.; Rankin, Brent A.; Gore, Jay P.

Volume: 162

Page: 3704-3710

Accession number: WOS:000361925600022

Document Type:Article

[Modeling and experimental analysis of n-dodecane oxidation in platinum-coated channels](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600019)

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By: Tolmachoff, Erik D.; Booth, Alexander D.; Lee, Ivan C.; Allmon, William R.; Waits, Christopher M.

Volume: 162

Page: 3674-3680

Accession number: WOS:000361925600019

Document Type:Article

[Effect of fuel composition and differential diffusion on flame stabilization in reacting syngas jets in turbulent cross-flow](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600010)

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By: Minamoto, Yuki; Kolla, Hemanth; Grout, Ray W.; Gruber, Andrea; Chen, Jacqueline H.

Volume: 162

Page: 3569-3579

Accession number: WOS:000361925600010

Document Type:Article

[Dynamics of a transcritical coaxial flame under a high-frequency transverse acoustic forcing: Influence of the modulation frequency on the flame 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%3A000361925600004)

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By: Hakim, Layal; Schmitt, Thomas; Ducruix, Sebastien; Candel, Sebastien

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Page: 3482-3502

Accession number: WOS:000361925600004

Document Type:Article

[Advanced regression methods for combustion modelling using principal 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%3A000360592600025)

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By: Isaac, Benjamin J.; Thornock, Jeremy N.; Sutherland, James; Smith, Philip J.; Parente, Alessandro

Volume: 162

Page: 2592-2601

Accession number: WOS:000360592600025

Document Type:Article

[Autoignition response of n-butanol and its blends with primary reference fuel constituents of gasoline](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600014)

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By: Kumar, Kamal; Zhang, Yu; Sung, Chih-Jen; Pitz, William J.

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Page: 2466-2479

Accession number: WOS:000360592600014

Document Type:Article

[Autoignition dynamics of DME/air and EtOH/air homogeneous 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%3A000360779100011)

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By: Al Tingas, Efstathios; Kyritsis, Dimitrios C.; Goussis, Dimitris A.

Volume: 162

Page: 3263-3276

Accession number: WOS:000360779100011

Document Type:Article

[n-Heptane/air combustion in perfectly stirred reactors: Dynamics, bifurcations and dominant reactions at critical conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100004)

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By: Kooshkbaghi, Mahdi; Frouzakis, Christos E.; Boulouchos, Konstantinos; Karlin, Iliya V.

Volume: 162

Page: 3166-3179

Accession number: WOS:000360779100004

Document Type:Article

[Quantitative acetylene measurements in laminar and turbulent flames using 1D Raman/Rayleigh 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%3A000358561500053)

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By: Fuest, Frederik; Barlow, Robert S.; Magnotti, Gaetano; Dreizler, Andreas; Ekoto, Isaac W.; et al.

Volume: 162

Page: 2248-2255

Accession number: WOS:000358561500053

Document Type:Article

[Experimental and kinetic modeling study of exo-TCD pyrolysis under low 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%3A000358561500048)

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Volume: 162

Page: 2177-2190

Accession number: WOS:000358561500048

Document Type:Article

[Estimation of 3D flame surface density and global fuel consumption rate from 2D PLIF images of turbulent premixed flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500040)

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Volume: 162

Page: 2087-2097

Accession number: WOS:000358561500040

Document Type:Article

[Effects of a JP-8 surrogate and its components on soot in laminar, N-2-diluted ethylene co-flow diffusion flames from 1 to 5 atm](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500032)

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Volume: 162

Page: 1987-1995

Accession number: WOS:000358561500032

Document Type:Article

[Performance of methanol kinetic mechanisms at oxy-fuel conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500009)

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Volume: 162

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Accession number: WOS:000358561500009

Document Type:Article

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Volume: 162

Page: 1934-1943

Accession number: WOS:000358561500027

Document Type:Article

[The effect of temperature on the adiabatic burning velocities of diluted hydrogen flames: A kinetic study using an updated 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%3A000358561500024)

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Volume: 162

Page: 1884-1898

Accession number: WOS:000358561500024

Document Type:Article

[Dynamics of high sound-speed metal confiners driven by non-ideal high-explosive detonation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500022)

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Volume: 162

Page: 1857-1867

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Volume: 162

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Accession number: WOS:000358561500002

Document Type:Article

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Volume: 162

Page: 2999-3015

Accession number: WOS:000356999700003

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[Dynamical system analysis of ignition phenomena using the Tangential Stretching Rate concept](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356999700001)

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Volume: 162

Page: 2963-2990

Accession number: WOS:000356999700001

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Volume: 162

Page: 2928-2936

Accession number: WOS:000356028600015

Document Type:Article

[Impact of sour gas composition on ignition delay and burning velocity in air and oxy-fuel combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600001)

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Volume: 162

Page: 2749-2757

Accession number: WOS:000356028600001

Document Type:Article

[Experimental and chemical kinetic study of CO and NO formation in oxy-methane premixed laminar flames doped with NH3](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100034)

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Volume: 162

Page: 1294-1303

Accession number: WOS:000351794100034

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[An experimental study of flame and autoignition interactions of iso-octane and air 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%3A000351794100027)

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Volume: 162

Page: 1214-1224

Accession number: WOS:000351794100027

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[Numerical study of soot formation in laminar coflow diffusion flames of methane doped with primary reference 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%3A000351794100022)

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Volume: 162

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[Flame necking-in and instability characterization in small and medium pool fires with different lip heights](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100016)

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Volume: 162

Page: 1095-1103

Accession number: WOS:000351794100016

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[Studies of premixed and non-premixed hydrogen flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100015)

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Volume: 162

Page: 1078-1094

Accession number: WOS:000351794100015

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[An experimentally-based in-situ combustion model with adaptive meshing](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100007)

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Volume: 162

Page: 960-977

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[Formation, prediction and analysis of stationary and stable ball-like flames at ultra-lean and normal-gravity conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100005)

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Volume: 162

Page: 932-943

Accession number: WOS:000351794100005

Document Type:Article

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Volume: 162

Page: 736-744

Accession number: WOS:000351250400018

Document Type:Article

[A multiple-inlet mixture fraction model for nonpremixed combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400013)

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Volume: 162

Page: 668-687

Accession number: WOS:000351250400013

Document Type:Article

[High-pressure reduced-kinetics mechanism for n-hexadecane autoignition and oxidation at constant 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%3A000351250400005)

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Volume: 162

Page: 571-579

Accession number: WOS:000351250400005

Document Type:Article

[Laser-induced ignition modeling of HMX](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900019)

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Volume: 162

Page: 506-515

Accession number: WOS:000348411900019

Document Type:Article

[Solid-liquid transitions in homogenous ovalene, hexabenzocoronene and circumcoronene clusters: A molecular dynamics study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900017)

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Volume: 162

Page: 486-495

Accession number: WOS:000348411900017

Document Type:Article

[Scaling turbulent flame speeds of negative Markstein length fuel blends using leading points 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%3A000348411900008)

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Volume: 162

Page: 375-387

Accession number: WOS:000348411900008

Document Type:Article

[Development and application of CN PLIF for single-shot imaging in turbulent flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900007)

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Volume: 162

Page: 368-374

Accession number: WOS:000348411900007

Document Type:Article

[A Conditional Moment Closure (CMC) formulation including differential diffusion applied to a non-premixed hydrogen-air flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600013)

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Volume: 162

Page: 144-158

Accession number: WOS:000346393600013

Document Type:Article

[Experimental study of temperature influence on carbon particle formation in shock wave pyrolysis of benzene and benzene-ethanol 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%3A000346393600017)

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By: Eremin, Alexander; Gurentsov, Evgeny; Mikheyeva, Ekaterina

Volume: 162

Page: 207-215

Accession number: WOS:000346393600017

Document Type:Article

[Density functional theory study of the reactions of 2-azido-N,N-dimethylethanamine with nitric acid and nitrogen 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%3A000346393600020)

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Volume: 162

Page: 237-248

Accession number: WOS:000346393600020

Document Type:Article

[The structure of swirl-stabilized turbulent premixed CH4/air and CH4/O-2/CO2 flames and mechanisms of intense burning of oxy-flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600010)

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Volume: 174

Page: 111-119

Accession number: WOS:000390614600010

Document Type:Article

[A wide range kinetic modeling study of PAH formation from liquid transportation fuels combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600005)

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Volume: 174

Page: 50-67

Accession number: WOS:000390614600005

Document Type:Article

[Effect of turbulent mixing on the end gas auto-ignition of n-heptane/air mixtures under IC engine-relevant conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600003)

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Volume: 174

Page: 25-36

Accession number: WOS:000390614600003

Document Type:Article

[Kinetic modeling of detonation and effects of negative temperature coefficient](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500041)

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Volume: 173

Page: 483-492

Accession number: WOS:000385909500041

Document Type:Article

[A novel atom tracking algorithm for the analysis of complex chemical kinetic 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%3A000385909500034)

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Volume: 173

Page: 387-401

Accession number: WOS:000385909500034

Document Type:Article

[Formalism for spatially averaged consumption speed considering spherically expanding flame configuration](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500022)

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Volume: 173

Page: 235-244

Accession number: WOS:000385909500022

Document Type:Article

[A slice of an aluminum particle: Examining grains, strain and reactivity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500021)

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Volume: 173

Page: 229-234

Accession number: WOS:000385909500021

Document Type:Article

[Kinetic modeling of the formation and growth of inorganic nano-particles during pulverized coal char combustion in O-2/N-2 and O-2/CO2 atmospheres](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500019)

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By: Niu, Yanqing; Wang, Shuai; Shaddix, Christopher R.; Hui, Shi'en

Volume: 173

Page: 195-207

Accession number: WOS:000385909500019

Document Type:Article

[Bimetal Al-Ni nano-powders for energetic formulations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500017)

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Volume: 173

Page: 179-186

Accession number: WOS:000385909500017

Document Type:Article

[Modeling the measured effect of a nitroplasticizer (BDNPA/F) on cookoff of a plastic bonded explosive (PBX 9501)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500014)

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Volume: 173

Page: 132-150

Accession number: WOS:000385909500014

Document Type:Article

[Ignition characteristics of kerosene droplets with the addition of aluminum nanoparticles at elevated 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%3A000385909500011)

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Volume: 173

Page: 106-113

Accession number: WOS:000385909500011

Document Type:Article

[Low voltage ignition of nanoenergetic materials with a conductive paper heater for compact remote ignition 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%3A000385909500030)

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By: Jang, Nam-Su; Ha, Sung-Hun; Kim, Ji Hoon; Jung, Soo-Ho; Kim, Soo Hyung; et al.

Volume: 173

Page: 319-324

Accession number: WOS:000385909500030

Document Type:Article

[Formulation and assessment of flamelet-generated manifolds for reacting 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%3A000385909500028)

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Volume: 173

Page: 296-306

Accession number: WOS:000385909500028

Document Type:Article

[Coupling of harmonic flow oscillations to combustion instability in premixed segments of triple flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400028)

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Volume: 172

Page: 342-348

Accession number: WOS:000383922400028

Document Type:Article

[Asymptotic analysis of steady two-reactant premixed flames using a step-function reaction rate model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400023)

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Volume: 172

Page: 280-288

Accession number: WOS:000383922400023

Document Type:Article

[B-containing nanomaterial synthesis when a combustion wave moves within a packed bed of solid particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400022)

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Volume: 172

Page: 271-279

Accession number: WOS:000383922400022

Document Type:Article

[Sensitization of PETN to laser radiation by opaque film 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%3A000383922400018)

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Volume: 172

Page: 215-221

Accession number: WOS:000383922400018

Document Type:Article

[Joint experimental and numerical study of the influence of flame holder temperature on the stabilization of a laminar methane flame on a cylinder](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400012)

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Volume: 172

Page: 153-161

Accession number: WOS:000383922400012

Document Type:Article

[Experimental and numerical study of cyclic variations in a Constant Volume Combustion chamber](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400005)

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By: Labarrere, Laure; Poinsot, Thierry; Dauptain, Antoine; Duchaine, Florent; Bellenoue, Marc; et al.

Volume: 172

Page: 49-61

Accession number: WOS:000383922400005

Document Type:Article

[Study on the combustion limit, near-limit extinction boundary, and flame regimes of low-Lewis-number CH4/O-2/CO2 counterflow flames under microgravity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400002)

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By: Okuno, Tomoya; Nakamura, Hisashi; Tezuka, Takuya; Hasegawa, Susumu; Takase, Koichi; et al.

Volume: 172

Page: 13-19

Accession number: WOS:000383922400002

Document Type:Article

[Ignition characteristics of saturated and unsaturated furans](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000011)

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By: Sudholt, Alena; Lee, Changyoul; Klankermayer, Juergen; Fernandes, Ravi X.; Pitsch, Heinz

Volume: 171

Page: 133-136

Accession number: WOS:000382513000011

Document Type:Article

[The influence of high flux broadband irradiation on soot concentration and temperature of a sooty flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000008)

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By: Dong, Xue; Sun, Zhiwei; Gu, Dahe; Ashman, Peter J.; Alwahabi, Zeyad T.; et al.

Volume: 171

Page: 103-111

Accession number: WOS:000382513000008

Document Type:Article

[Flame Double Input Describing Function 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%3A000382513000007)

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By: Orchini, Alessandro; Juniper, Matthew P.

Volume: 171

Page: 87-102

Accession number: WOS:000382513000007

Document Type:Article

[LES/PDF modeling of autoignition in a lifted turbulent flame: Analysis of flame sensitivity to differential diffusion and scalar mixing time-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%3A000382513000006)

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By: Han, Wang; Raman, Venkat; Chen, Zheng

Volume: 171

Page: 69-86

Accession number: WOS:000382513000006

Document Type:Article

[PAH formation in counterflow non-premixed flames of butane and butanol 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%3A000381244800008)

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By: Singh, Pradeep; Sung, Chih-Jen

Volume: 170

Page: 91-110

Accession number: WOS:000381244800008

Document Type:Article

[Experimental and theoretical study of excess enthalpy flames stabilized in a radial multi-channel as a model cylindrical porous medium burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800007)

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By: Lee, Dae Keun; Noh, Dong-Soon

Volume: 170

Page: 79-90

Accession number: WOS:000381244800007

Document Type:Article

[Large-eddy simulations of gas- and liquid-fueled combustion instabilities in back-step flows](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800006)

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By: Kitano, Tomoaki; Kaneko, Keisuke; Kurose, Ryoichi; Komori, Satoru

Volume: 170

Page: 63-78

Accession number: WOS:000381244800006

Document Type:Article

[Onset mechanism of primary acoustic instability in downward-propagating flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000381244800001)

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By: Yoon, Sung Hwan; Nob, Tae Joon; Fujita, Osamu

Volume: 170

Page: 1-11

Accession number: WOS:000381244800001

Document Type:Article

[A comparison of the gas-phase fire retardant action of DMMP and Br-2 in co-flow diffusion flame extinguishment](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600028)

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By: Bouvet, Nicolas; Linteris, Gregory T.; Babushok, Valeri I.; Takahashi, Fumiaki; Katta, Viswanath R.; et al.

Volume: 169

Page: 340-348

Accession number: WOS:000378583600028

Document Type:Article

[Two-dimensional OH-thermometry in reacting flows using photofragmentation laser-induced florescence](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600024)

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By: Malmqvist, Elin; Jonsson, Malin; Larsson, Kajsa; Alden, Marcus; Bood, Joakim

Volume: 169

Page: 297-306

Accession number: WOS:000378583600024

Document Type:Article

[Large eddy simulation of turbulent vertical wall fires supplied with gaseous fuel through porous burners](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600016)

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By: Ren, Ning; Wang, Yi; Vilfayeau, Sebastien; Trouve, Arnaud

Volume: 169

Page: 194-208

Accession number: WOS:000378583600016

Document Type:Article

[A method to study the two-step decomposition of binary blends in cone calorimeter](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600001)

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By: Sonnier, Rodolphe; Viretto, Amandine; Dumazert, Loic; Gallard, Benjamin

Volume: 169

Page: 1-10

Accession number: WOS:000378583600001

Document Type:Article

[Multicomponent effects in liquid-gas filtration combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600006)

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By: Endo Kokubun, M. A.; Gargar, N. Khoshnevis; Bruinning, H.; Mailybaev, A. A.

Volume: 169

Page: 51-62

Accession number: WOS:000378583600006

Document Type:Article

[Effect of pressure on hydrogen/oxygen coupled flame-wall interaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900032)

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By: Mari, Raphael; Cuenot, Benedicte; Rocchi, Jean-Philippe; Selle, Laurent; Duchaine, Florent

Volume: 168

Page: 409-419

Accession number: WOS:000377148900032

Document Type:Article

[Analysis of flame characteristics in a scramjet combustor with staged fuel injection using common path focusing schlieren and flame visualization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900017)

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By: Foerster, Felix J.; Droeske, Nils C.; Buehler, Manuel N.; von Wolfersdorf, Jens; Weigand, Bernhard

Volume: 168

Page: 204-215

Accession number: WOS:000377148900017

Document Type:Article

[Curve matching, a generalized framework for models/experiments comparison: An application to n-heptane combustion kinetic 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%3A000377148900016)

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By: Bernardi, M. S.; Pelucchi, M.; Stagni, A.; Sangalli, L. M.; Cuoci, A.; et al.

Volume: 168

Page: 186-203

Accession number: WOS:000377148900016

Document Type:Article

[Investigation of rich hydrogen-air deflagrations in models with detailed and reduced kinetic 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%3A000377148900004)

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By: Gubernov, V. V.; Kolobov, A. V.; Bykov, V.; Maas, U.

Volume: 168

Page: 32-38

Accession number: WOS:000377148900004

Document Type:Article

[Reaction between propargyl radical and 1,3-butadiene to form five to seven membered rings. Theoretical study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900026)

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By: Trogolo, Daniela; Maranzana, Andrea; Ghigo, Giovanni; Tonachini, Glauco

Volume: 168

Page: 331-341

Accession number: WOS:000377148900026

Document Type:Article

[Reciprocal transitions between buoyant diffusion flame and fire whirl](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900037)

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By: Lei, Jiao; Liu, Naian

Volume: 167

Page: 463-471

Accession number: WOS:000374802900037

Document Type:Article

[Polybutadiene crosslinked by 1,3-dipolar cycloaddition: Pyrolysis mechanism, DFT studies and propellant burning rate 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%3A000374802900030)

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By: Reshmi, S.; Vijayalakshmi, K. P.; Thomas, Deepthi; Rajeev, R.; Nair, C. P. Reghunadhan

Volume: 167

Page: 380-391

Accession number: WOS:000374802900030

Document Type:Article

[A global pathway selection algorithm for the reduction of detailed chemical kinetic 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%3A000374802900020)

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By: Gao, Xiang; Yang, Suo; Sun, Wenting

Volume: 167

Page: 238-247

Accession number: WOS:000374802900020

Document Type:Article

[Potential explosion hazard of carbonaceous nanoparticles: screening of allotropes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900018)

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By: Turkevich, Leonid A.; Fernback, Joseph; Dastidar, Ashok G.; Osterberg, Paul

Volume: 167

Page: 218-227

Accession number: WOS:000374802900018

Document Type:Article

[Analysis of CH\* concentration and flame heat release rate in laminar coflow diffusion flames under microgravity and normal gravity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900016)

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By: Giassi, Davide; Cao, Su; Bennett, Beth Anne V.; Stocker, Dennis P.; Takahashi, Fumiaki; et al.

Volume: 167

Page: 198-206

Accession number: WOS:000374802900016

Document Type:Article

[Thermobaric effects formed by aluminum foils enveloping cylindrical charges](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300014)

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By: Yan, Qi-Long; Trzcinski, Waldemar A.; Cudzilo, Stanislaw; Paszula, Jozef; Eugen, Traria; et al.

Volume: 166

Page: 148-157

Accession number: WOS:000372768300014

Document Type:Article

[Scalar structure of turbulent stratified swirl flames conditioned on local equivalence ratio](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300007)

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By: Kamal, M. Mustafa; Barlow, Robert S.; Hochgreb, Simone

Volume: 166

Page: 76-79

Accession number: WOS:000372768300007

Document Type:Article

[Experimental analysis of diffusion flame spread along thin parallel solid fuel surfaces in a natural convective 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%3A000371561400024)

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By: Avinash, Govindaraju; Kumar, Amit; Raghavan, Vasudevan

Volume: 165

Page: 321-333

Accession number: WOS:000371561400024

Document Type:Article

[An a priori DNS study of the shadow-position mixing model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400018)

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By: Zhao, Xin-Yu; Bhagatwala, Ankit; Chen, Jacqueline H.; Haworth, Daniel C.; Pope, Stephen B.

Volume: 165

Page: 223-245

Accession number: WOS:000371561400018

Document Type:Article

[Direct comparison of PDF and scalar dissipation rates between LEM simulations and experiments for turbulent, premixed methane air flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400017)

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By: Tsui, H. P.; Kamal, M. M.; Hochgreb, S.; Bushe, W. K.

Volume: 165

Page: 208-222

Accession number: WOS:000371561400017

Document Type:Article

[Plasma flow reactor studies of H-2/O-2/Ar 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%3A000371561400012)

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By: Tsolas, Nicholas; Togai, Kuninori; Yin, Zhiyao; Frederickson, Kraig; Yetter, Richard A.; et al.

Volume: 165

Page: 144-153

Accession number: WOS:000371561400012

Document Type:Article

[Low-temperature ignition of dimethyl ether: transition from cool flame to hot flame promoted by decomposition of HPMF (HO2CH2OCHO)](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400006)

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By: Gao, Jian; Nakamura, Yuji

Volume: 165

Page: 68-82

Accession number: WOS:000371561400006

Document Type:Article

[Effects of non-equilibrium plasmas on low-pressure, premixed flames. Part 1: CH\* chemiluminescence, temperature, and OH](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400005)

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By: Li, Ting; Adamovich, Igor V.; Sutton, Jeffrey A.

Volume: 165

Page: 50-67

Accession number: WOS:000371561400005

Document Type:Article

[A modeling study of the effect of surface reactions on methanol-air oxidation at low temperatures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200029)

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By: Huo, Jiepeng; Yang, Haolin; Jiang, Liqiao; Wang, Xiaohan; Zhao, Daiqing

Volume: 164

Page: 363-372

Accession number: WOS:000370461200029

Document Type:Article

[Combustion of thermite mixtures based on mechanically alloyed aluminum-iodine 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%3A000370461200013)

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By: Guerrero, Sergio E.; Dreizin, Edward L.; Shafirovich, Evgeny

Volume: 164

Page: 164-166

Accession number: WOS:000370461200013

Document Type:Article

[Correction of edge-flame propagation speed in a counterflow, annular slot burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400023)

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By: Manh-Vu Tran; Cha, Min Suk

Volume: 162

Page: 4671-4672

Accession number: WOS:000367211400023

Document Type:Article

[Measurement of heat release in laminar diffusion flames fueled by controlled pyrolysis of milligram-sized solid samples: Impact of bromine- and phosphorus-based flame retardants](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400022)

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By: Raffan-Montoya, Fernando; Ding, Xi; Stoliarov, Stanislav I.; Kraemer, Roland H.

Volume: 162

Page: 4660-4670

Accession number: WOS:000367211400022

Document Type:Article

[Atom force microscopy analysis of the morphology, attractive force, adhesive force and Young's modulus of diesel in-cylinder soot particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400021)

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By: Chen, Nan; Song, Chonglin; Lv, Gang; Song, Jinou; Gao, Junhua; et al.

Volume: 162

Page: 4649-4659

Accession number: WOS:000367211400021

Document Type:Article

[The phoenix series large-scale methane gas burner experiments and liquid methane pool fires experiments on 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%3A000367211400010)

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By: Luketa, Anay; Blanchat, Thomas

Volume: 162

Page: 4497-4513

Accession number: WOS:000367211400010

Document Type:Article

[Properties of reactive Al:Ni compacts fabricated by radial forging of elemental and alloy powders](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400003)

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By: Gibbins, J. D.; Stover, A. K.; Krywopusk, N. M.; Woll, K.; Weihs, T. P.

Volume: 162

Page: 4408-4416

Accession number: WOS:000367211400003

Document Type:Article

[Efficient calculation of multicomponent diffusion fluxes based on kinetic 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%3A000367278600045)

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By: Arias-Zugasti, Manuel; Garcia-Ybarra, Pedro L.; Castillo, Jose L.

Volume: 163

Page: 540-556

Accession number: WOS:000367278600045

Document Type:Article

[Investigation of unsteady behaviors of forward and opposed flow combustion of solid fuel](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600043)

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By: Roy, Nepal C.; Nakamura, Yuji

Volume: 163

Page: 517-531

Accession number: WOS:000367278600043

Document Type:Article

[Stability of rich laminar hydrogen-air flames in a model with detailed transport and kinetic 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%3A000367278600039)

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By: Korsakova, A. I.; Gubernov, V. V.; Kolobov, A. V.; Bykov, V.; Maas, U.

Volume: 163

Page: 478-486

Accession number: WOS:000367278600039

Document Type:Article

[Oxidizer coarse-to-fine ratio effect on microscale flame structure in a bimodal composite propellant](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600032)

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By: Isert, Sarah; Hedman, Trevor D.; Lucht, Robert P.; Son, Steven F.

Volume: 163

Page: 406-413

Accession number: WOS:000367278600032

Document Type:Article

[Droplet ignition of approximately continuous liquid mixtures of n-paraffins and n-alkyl aromatics](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600026)

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By: Sabourin, Shaun W.; Boteler, Claire I.; Hallett, William L. H.

Volume: 163

Page: 326-336

Accession number: WOS:000367278600026

Document Type:Article

[Transient combustion of a methane-hydrate sphere](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600023)

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By: Bar-Kohany, Tali; Sirignano, William A.

Volume: 163

Page: 284-300

Accession number: WOS:000367278600023

Document Type:Article

[Independent component analysis of cycle resolved combustion images from a spark ignition optical engine](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600021)

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By: Bizon, Katarzyna; Continillo, Gaetano; Lombardi, Simone; Sementa, Paolo; Vaglieco, Bianca M.

Volume: 163

Page: 258-269

Accession number: WOS:000367278600021

Document Type:Article

[Scaling of a small scale burner fire whirl](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600017)

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By: Hartl, K. A.; Smits, A. J.

Volume: 163

Page: 202-208

Accession number: WOS:000367278600017

Document Type:Article

[Evolution of size distribution and morphology of carbon nanoparticles during ethylene pyrolysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600010)

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By: Dewa, Kazuki; Ono, Kiminori; Watanabe, Aki; Takahashi, Kaname; Matsukawa, Yoshiya; et al.

Volume: 163

Page: 115-121

Accession number: WOS:000367278600010

Document Type:Article

[A numerical study of the effects of primary reference fuel chemical kinetics on ignition and heat release under homogeneous reciprocating engine conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600007)

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By: Fatouraie, Mohammad; Karwat, Darshan M. A.; Wooldridge, Margaret S.

Volume: 163

Page: 79-89

Accession number: WOS:000367278600007

Document Type:Article

[Investigation of subgrid-scale mixing of reactive scalar perturbations from flamelets in turbulent partially premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300008)

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By: Liu, Shuaishuai; Tong, Chenning

Volume: 162

Page: 4149-4157

Accession number: WOS:000363998300008

Document Type:Article

[Combustion of nano-sized aluminum particles in steam: Numerical modeling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000363998300006)

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By: Storozhev, Vladimir B.; Yermakov, Alexander N.

Volume: 162

Page: 4129-4137

Accession number: WOS:000363998300006

Document Type:Article

[An a-posteriori evaluation of principal component analysis-based models for turbulent combustion 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%3A000361925600048)

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By: Biglari, Amir; Sutherland, James C.

Volume: 162

Page: 4025-4035

Accession number: WOS:000361925600048

Document Type:Article

[On premixed flame propagation in a curved constant volume channel](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600044)

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By: Najim, Younis M.; Mueller, Norbert; Wichman, Indrek S.

Volume: 162

Page: 3980-3990

Accession number: WOS:000361925600044

Document Type:Article

[Effects of thermally cracked component of n-dodecane on supersonic combustion behaviors in a scramjet model combustor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600033)

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By: Nakaya, Shinji; Tsue, Mitsuhiro; Kono, Michikata; Imamura, Osamu; Tomioka, Sadatake

Volume: 162

Page: 3847-3853

Accession number: WOS:000361925600033

Document Type:Article

[Autoignition of n-heptane in a turbulent co-flowing jet](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600032)

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By: Echekki, Tarek; Ahmed, Samer E.

Volume: 162

Page: 3829-3846

Accession number: WOS:000361925600032

Document Type:Article

[Ignition of deflagration and detonation ahead of the flame due to radiative preheating of suspended micro particles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600014)

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By: Ivanov, Mikhail F.; Kiverin, Alexey D.; Liberman, Mikhail A.

Volume: 162

Page: 3612-3621

Accession number: WOS:000361925600014

Document Type:Article

[Counterflow ignition of n-butanol at atmospheric and elevated pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600013)

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By: Brady, Kyle B.; Hui, Xin; Sung, Chih-Jen; Niemeyer, Kyle E.

Volume: 162

Page: 3596-3611

Accession number: WOS:000361925600013

Document Type:Article

[Promotion of methane ignition by the fire suppressants CCl4 and CF3H](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600039)

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By: Drakon, A.; Eremin, A.

Volume: 162

Page: 2746-2747

Accession number: WOS:000360592600039

Document Type:Article

[High-temperature chemistry of HCl and Cl-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%3A000360592600034)

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By: Pelucchi, Matteo; Frassoldati, Alessio; Faravelli, Tiziano; Ruscic, Branko; Glarborg, Peter

Volume: 162

Page: 2693-2704

Accession number: WOS:000360592600034

Document Type:Article

[Experimental and numerical investigation of freely propagating flames stabilized on a Hencken Burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600032)

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By: Belmont, Erica; Ombrello, Timothy; Brown, Michael; Carter, Campbell; Ellzey, Janet

Volume: 162

Page: 2679-2685

Accession number: WOS:000360592600032

Document Type:Article

[Experimental study of microwave resonance plasma ignition of methane-air mixture in a constant volume cylinder](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600022)

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By: Wang, Zhi; Huang, Pan; Wang, Qiang; Hou, Lingyun; Zhang, Guixin

Volume: 162

Page: 2561-2568

Accession number: WOS:000360592600022

Document Type:Article

[Formation of chlorobenzenes by oxidative thermal decomposition of 1,3-dichloropropene](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600009)

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Volume: 162

Page: 2414-2421

Accession number: WOS:000360592600009

Document Type:Article

[Development and validation of a generic reduced chemical kinetic mechanism for CFD spray combustion modelling of biodiesel 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%3A000360592600005)

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By: Cheng, Xinwei; Ng, Hoon Kiat; Gan, Suyin; Ho, Jee Hou; Pang, Kar Mun

Volume: 162

Page: 2354-2370

Accession number: WOS:000360592600005

Document Type:Article

[High-temperature rate constant measurements for OH plus xylenes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360592600004)

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By: Elwardany, Ahmed; Badra, Jihad; Farooq, Aamir

Volume: 162

Page: 2348-2353

Accession number: WOS:000360592600004

Document Type:Article

[Experiments and simulations of NOx formation in the combustion of hydroxylated 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%3A000360592600002)

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Volume: 162

Page: 2322-2336

Accession number: WOS:000360592600002

Document Type:Article

[Thermite reactions with oxides of iron and silicon during combustion of magnesium with lunar and Martian regolith simulants](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100018)

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By: Delgado, Armando; Cordova, Sergio; Shafirovich, Evgeny

Volume: 162

Page: 3333-3340

Accession number: WOS:000360779100018

Document Type:Article

[Melt-assisted solid flame synthesis approach to amorphous boron 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%3A000360779100016)

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By: Nersisyan, Hayk H.; Joo, Sin Hyong; Yoo, Bung Uk; Cho, Young Hee; Kim, Hong Moule; et al.

Volume: 162

Page: 3316-3323

Accession number: WOS:000360779100016

Document Type:Article

[Fast cook-off modeling of HMX](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100015)

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By: Gross, Matthew L.; Meredith, Karl V.; Beckstead, Merrill W.

Volume: 162

Page: 3307-3315

Accession number: WOS:000360779100015

Document Type:Article

[Experimental studies of autoignition events in unsteady hydrogen-air flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000360779100007)

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By: Johannessen, Birgitte; North, Andrew; Dibble, Robert; Lovas, Terese

Volume: 162

Page: 3210-3219

Accession number: WOS:000360779100007

Document Type:Article

[Critical condition related to the activation of solid fuel particles; comparisons with experimental results for char combustion in a quiescent 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%3A000360779100003)

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By: Makino, Atsushi; Shintomi, Masahito

Volume: 162

Page: 3156-3165

Accession number: WOS:000360779100003

Document Type:Article

[Shock tube and modeling study of 2,7-dimethyloctane pyrolysis and 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%3A000358561500057)

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Volume: 162

Page: 2296-2306

Accession number: WOS:000358561500057

Document Type:Article

[Effects of finite-rate droplet evaporation on the ignition and propagation of premixed spherical spray flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500044)

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By: Han, Wang; Chen, Zheng

Volume: 162

Page: 2128-2139

Accession number: WOS:000358561500044

Document Type:Article

[Principal component transport in turbulent combustion: A posteriori 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%3A000358561500026)

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By: Echekki, Tarek; Mirgolbabaei, Hessam

Volume: 162

Page: 1919-1933

Accession number: WOS:000358561500026

Document Type:Article

[A three-dimensional transient model for flame growth and extinction in concurrent flows](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500019)

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Volume: 162

Page: 1829-1839

Accession number: WOS:000358561500019

Document Type:Article

[The reconstruction of thermo-chemical scalars in combustion from a reduced set of their principal 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%3A000358561500003)

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By: Mirgolbabaei, Hessam; Echekki, Tarek

Volume: 162

Page: 1650-1652

Accession number: WOS:000358561500003

Document Type:Article

[On the application of betweenness centrality in chemical network analysis: Computational diagnostics and model 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%3A000356999700002)

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By: Zhao, Peng; Nackman, Samuel M.; Law, Chung K.

Volume: 162

Page: 2991-2998

Accession number: WOS:000356999700002

Document Type:Article

[Sectional soot model coupled to tabulated chemistry for Diesel RANS 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%3A000356999700009)

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Volume: 162

Page: 3081-3099

Accession number: WOS:000356999700009

Document Type:Article

[Experimental and kinetic modeling study of the shock tube ignition of a large oxygenated fuel: Tri-propylene glycol mono-methyl ether](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600014)

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By: Burke, Ultan; Pitz, William J.; Curran, Henry J.

Volume: 162

Page: 2916-2927

Accession number: WOS:000356028600014

Document Type:Article

[Using magnesium to maximize heat generated by reactive Al/Zr nanolaminates](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600009)

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Volume: 162

Page: 2855-2864

Accession number: WOS:000356028600009

Document Type:Article

[Hydrogen generation from ammonia borane and water through combustion reactions with mechanically alloyed Al center dot Mg powder](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100052)

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By: Rodriguez, Daniel A.; Dreizin, Edward L.; Shafirovich, Evgeny

Volume: 162

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Accession number: WOS:000351794100052

Document Type:Article

[Reactions of HO2 with n-propylbenzene and its phenylpropyl radicals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100043)

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By: Altarawneh, Mohammednoor; Dlugogorski, Bogdan Z.

Volume: 162

Page: 1406-1416

Accession number: WOS:000351794100043

Document Type:Article

[A methodology for the integration of stiff chemical kinetics on GPUs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100041)

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Volume: 162

Page: 1375-1394

Accession number: WOS:000351794100041

Document Type:Article

[Investigation of formaldehyde enhancement by ozone addition in CH4/air premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100033)

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By: Weng, Wubin; Nilsson, Elna; Ehn, Andreas; Zhu, Jiajian; Zhou, Yajun; et al.

Volume: 162

Page: 1284-1293

Accession number: WOS:000351794100033

Document Type:Article

[Premixed flames propagating freely in tubes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100028)

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By: Almarcha, Christophe; Denet, Bruno; Quinard, Joel

Volume: 162

Page: 1225-1233

Accession number: WOS:000351794100028

Document Type:Article

[Model reduction: When singular perturbation analysis simplifies to partial equilibrium approximation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100010)

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Volume: 162

Page: 1009-1018

Accession number: WOS:000351794100010

Document Type:Article

[Heat release rate variations in a globally stoichiometric, stratified iso-octane/air turbulent V-flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100006)

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By: Vena, Patrizio C.; Deschamps, Beatrice; Guo, Hongsheng; Smallwood, Gregory J.; Johnson, Matthew R.

Volume: 162

Page: 944-959

Accession number: WOS:000351794100006

Document Type:Article

[Explicit formulation of the reactivity of hydrogen, methane and decane](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400006)

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By: Veggi, Lucrezia; Boivin, Pierre

Volume: 162

Page: 580-585

Accession number: WOS:000351250400006

Document Type:Article

[Unclosed Favre-averaged equation for the chemical source and an analytical formulation of the problem of turbulent premixed combustion in the flamelet 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%3A000351250400031)

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By: Zimont, Vladimir

Volume: 162

Page: 874-875

Accession number: WOS:000351250400031

Document Type:Article

[Boron particle size effect on B/KNO3 ignition by a diode laser](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900020)

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By: Sivan, Jonathan; Haas, Yehuda; Grinstein, Dan; Kochav, Shiri; Yegudayev, Gloria; et al.

Volume: 162

Page: 516-527

Accession number: WOS:000348411900020

Document Type:Article

[Detailed analysis of the CO oxidation chemistry around a coal char particle under conventional and oxy-fuel combustion conditions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900016)

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By: Gonzalo-Tirado, Cristina; Jimenez, Santiago

Volume: 162

Page: 478-485

Accession number: WOS:000348411900016

Document Type:Article

[Unsteady vortex breakdown in an atmospheric swirl stabilised combustor. Part 1: Chamber behaviour](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000348411900009)

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By: Ruggles, Adam; Kelman, James

Volume: 162

Page: 388-407

Accession number: WOS:000348411900009

Document Type:Article

[Direct numerical simulation of circular expanding premixed flames in a lean quiescent hydrogen-air mixture: Phenomenology and detailed flame front 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%3A000348411900005)

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By: Altantzis, Christos; Frouzakis, Christos E.; Tomboulides, Ananias G.; Boulouchos, Konstantinos

Volume: 162

Page: 331-344

Accession number: WOS:000348411900005

Document Type:Article

[Study of carbon and carbon-metal particulates in a canola methyl ester air-flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000346393600018)

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By: Merchan-Merchan, Wilson; Ware, Henry O. Tenadooah

Volume: 162

Page: 216-225

Accession number: WOS:000346393600018

Document Type:Article

[Mach reflection of cellular detonations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400025)

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By: Fortin, Yannick; Liu, Jie; Lee, John H. S.

Volume: 162

Page: 819-824

Accession number: WOS:000351250400025

Document Type:Article

[Burn rate characterization of iso-propyl nitrate - A neglected monopropellant](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400027)

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By: Ambekar, Anirudha; Sreedhara, Sheshadri; Chowdhury, Arindrajit

Volume: 162

Page: 836-845

Accession number: WOS:000351250400027

Document Type:Article

[Singularly perturbed homotopy analysis method applied to the pressure driven flame in porous 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%3A000351250400030)

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By: Nave, Ophir; Gol'dshtein, Vladimir; Ajadi, Suraj

Volume: 162

Page: 864-873

Accession number: WOS:000351250400030

Document Type:Article

[Computational investigation of the stability of a lifted strongly buoyant jet flame](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400009)

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By: Walchshofer, Christian; Steiner, Helfried

Volume: 162

Page: 613-627

Accession number: WOS:000351250400009

Document Type:Article

[Preferential transport effects in premixed bluff-body stabilized CH4/H-2 flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351250400017)

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Volume: 162

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Accession number: WOS:000351250400017

Document Type:Article

[Identifying the roles of reduced gravity and pressure on the piloted ignition of solid combustibles](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100020)

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Volume: 162

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Accession number: WOS:000351794100020

Document Type:Article

[Ignition characteristics of hybrid Al-Ni-Fe2O3 and Al-Ni-CuO reactive composites fabricated by ultrasonic powder consolidation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100021)

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Volume: 162

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Accession number: WOS:000351794100021

Document Type:Article

[Predictions of lift-off height of turbulent methane and propane flames issuing in cold surroundings using conditional moment closure coupled with an extinction model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000351794100023)

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Volume: 162

Page: 1164-1166

Accession number: WOS:000351794100023

Document Type:Article

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Volume: 162

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Accession number: WOS:000351794100039

Document Type:Article

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Volume: 162

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Accession number: WOS:000351794100060

Document Type:Article

[Flame instability of lean hydrogen-air mixtures in a smooth open-ended vertical channel](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000356028600007)

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Accession number: WOS:000356028600007

Document Type:Article

[Behaviors of tribrachial edge flames and their interactions in a triple-port burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000358561500004)

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Volume: 162

Page: 1653-1659

Accession number: WOS:000358561500004

Document Type:Article

[Modeling of Rayleigh scattering imaging of detonation waves: Quantum computation of Rayleigh cross-sections and real diagnostic 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%3A000358561500049)

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Volume: 162

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Accession number: WOS:000358561500049

Document Type:Article

[Combustion simulations with accurate transport properties for reactive 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%3A000360592600015)

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Volume: 162

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Accession number: WOS:000360592600015

Document Type:Article

[Formation mechanisms of soot from high-molecular-weight 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%3A000360592600031)

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Volume: 162

Page: 2670-2678

Accession number: WOS:000360592600031

Document Type:Article

[Quenching limits of inverse diffusion flames with enriched 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%3A000360592600038)

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Volume: 162

Page: 2743-2745

Accession number: WOS:000360592600038

Document Type:Article

[Emulation of condensed fuel flames with gases in microgravity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600002)

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Volume: 162

Page: 3449-3455

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[A balance equation for modeling conditioned enthalpies in premixed turbulent flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600021)

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Volume: 162

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Document Type:Article

[Formation of Cu layer on Al nanoparticles during thermite reaction in Al/CuO nanoparticle composites: Investigation of off-stoichiometry ratio of Al and CuO nanoparticles for maximum pressure change](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361925600031)

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Volume: 162

Page: 3823-3828

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Document Type:Article

[Numerical modeling of self-heating and self-ignition in a packed-bed of biomass using XDEM](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600028)

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Volume: 163

Page: 358-369

Accession number: WOS:000367278600028

Document Type:Article

[A diffuse interface method for simulating the dynamics of premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367278600042)

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Volume: 163

Page: 508-516

Accession number: WOS:000367278600042

Document Type:Article

[Effects of mixture composition and turbulence intensity on flame front structure and burning velocities of premixed turbulent hydrocarbon/air Bunsen flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400004)

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Volume: 162

Page: 4417-4441

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Document Type:Article

[Diffusion flames in condensed-phase energetic materials: Application to Titanium-Boron combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400009)

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Volume: 162

Page: 4486-4496

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Document Type:Article

[Soot surface reactivity during surface growth and oxidation in laminar diffusion flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000367211400012)

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Volume: 162

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Accession number: WOS:000367211400012

Document Type:Article

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Volume: 162

Page: 4612-4621

Accession number: WOS:000367211400018

Document Type:Article

[Flamelet characteristics at the leading edge and through the flame brush of statistically steady incompressible turbulent premixed flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000370461200007)

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Volume: 164

Page: 85-98

Accession number: WOS:000370461200007

Document Type:Article

[Effect of gaseous oxidizer composition on the detonability of isooctane-air sprays](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400016)

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Volume: 165

Page: 198-207

Accession number: WOS:000371561400016

Document Type:Article

[Mitigating instability by actuating the swirler in a combustor](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400028)

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Volume: 165

Page: 361-363

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Document Type:Article

[Oxidation of ammonia over a copper oxide-containing solid oxygen carrier with oxygen uncoupling capability](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371561400035)

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Volume: 165

Page: 445-452

Accession number: WOS:000371561400035

Document Type:Article

[Turbulent atomization subgrid model for two-phase flow large eddy simulation (theoretical 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%3A000371561400013)

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Volume: 165

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Accession number: WOS:000371561400013

Document Type:Article

[Sensitivity analysis based on intersection approach for mechanism reduction of 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%3A000372768300005)

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Volume: 166

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Accession number: WOS:000372768300005

Document Type:Article

[Fuel performances in Spark-Ignition (SI) engines: Impact of flame stretch](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300010)

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Volume: 166

Page: 98-112

Accession number: WOS:000372768300010

Document Type:Article

[Investigation of self-sustained beating oscillations in a Rijke burner](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000372768300017)

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By: Weng, Fanglong; Li, Suhui; Zhong, Di; Zhu, Min

Volume: 166

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Accession number: WOS:000372768300017

Document Type:Article

[Skeletal chemical mechanism of high-temperature TEOS oxidation in hydrogen-oxygen 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%3A000372768300022)

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Volume: 166

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Accession number: WOS:000372768300022

Document Type:Article

[Laminar flame speeds of nano-aluminum/methane hybrid 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%3A000372768300025)

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Volume: 166

Page: 284-294

Accession number: WOS:000372768300025

Document Type:Article

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Volume: 166

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Document Type:Article

[Effects of pre-filled gas and spraying condition on ignition of oxygen kerosene spray combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900001)

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Accession number: WOS:000374802900001

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[Global stability analysis of 3D micro-combustion model](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900011)

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Volume: 167

Page: 132-148

Accession number: WOS:000374802900011

Document Type:Article

[Structure and stability of premixed flames propagating in narrow channels of circular cross-section: Non-axisymmetric, pulsating and rotating flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900012)

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Volume: 167

Page: 149-163

Accession number: WOS:000374802900012

Document Type:Article

[The effect of humidity on hydroxyl and ozone production by nanosecond discharges](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900013)

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Volume: 167

Page: 164-171

Accession number: WOS:000374802900013

Document Type:Article

[Experimental and kinetic modeling investigation on decalin pyrolysis at low to atmospheric pressures](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900019)

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Volume: 167

Page: 228-237

Accession number: WOS:000374802900019

Document Type:Article

[Reaction pathway for nascent soot in ethylene pyrolysis](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900021)

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Volume: 167

Page: 248-258

Accession number: WOS:000374802900021

Document Type:Article

[Investigation of 3D flow and heat transfer in solid-fuel grate combustion: Measures to reduce high-temperature 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%3A000374802900034)

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Volume: 167

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Accession number: WOS:000374802900034

Document Type:Article

[On colliding spherical flames: Morphology, corner dynamics, and flame-generated vorticity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900035)

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Volume: 167

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Accession number: WOS:000374802900035

Document Type:Article

[Experimental study and theoretical analysis of a 'strange wave'](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000374802900040)

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Volume: 167

Page: 494-496

Accession number: WOS:000374802900040

Document Type:Article

[Measurement of the laminar burning velocity using the confined and unconfined spherical flame methods - A comparative 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%3A000377148900012)

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Volume: 168

Page: 127-137

Accession number: WOS:000377148900012

Document Type:Article

[Auto-ignition temperature and burning rate of potassium pool fire in a confined enclosure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900023)

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Volume: 168

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Accession number: WOS:000377148900023

Document Type:Article

[On the role of heterogeneous reactions in aluminum combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000377148900029)

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Accession number: WOS:000377148900029

Document Type:Article

[Combustion model of liquid fuel contained within an inert porous particle](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600004)

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Volume: 169

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Accession number: WOS:000378583600004

Document Type:Article

[Counterflow flames of ultrahigh-molecular-weight polyethylene with and without triphenylphosphate](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000378583600021)

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Volume: 169

Page: 261-271

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Document Type:Article

[Minimum ignition energy of methanol-air 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%3A000382513000021)

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Volume: 171

Page: 234-236

Accession number: WOS:000382513000021

Document Type:Article

[Understanding the reactivity of unsaturated alcohols: Experimental and kinetic modeling study of the pyrolysis and oxidation of 3-methyl-2-butenol and 3-methyl-3-butenol](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000022)

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Volume: 171

Page: 237-251

Accession number: WOS:000382513000022

Document Type:Article

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Accession number: WOS:000382513000023

Document Type:Article

[Experimental study of the lifting characteristics of the leading-edge of an attached non-premixed jet-flame: Air-side or fuel-side dilution](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000382513000025)

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[Investigation of photochemical effects in flame diagnostics with picosecond photofragmentation laser-induced 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%3A000382513000005)

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[Structure of spray in hot-diluted coflow flames under different coflow conditions: A numerical study](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400003)

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[Chemical kinetic model uncertainty minimization through laminar flame speed measurements](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400011)

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[Combustion of potassium dinitramide and its binary mixtures with nitroester binder](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000383922400017)

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[Three-dimensional simulations of ignition of composite solid propellants](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500002)

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[Observation of water-gas shift equilibrium in diffusion flames](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500006)

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[Measurement of the global kinetics of combustion for gaseous pyrolyzates of polymeric solids containing flame retardants](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500007)

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[Application of unstrained flamelet SGS closure for multi-regime premixed combustion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000385909500016)

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[Coefficients for the calculation of thermophysical properties of indolene/ethanol biofuels for transcritical engine 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%3A000385909500031)

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[A novel approach to composite propellant combustion modeling with a new Heterogeneous Quasi One-dimensional (HeQu1-D) 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%3A000385909500036)

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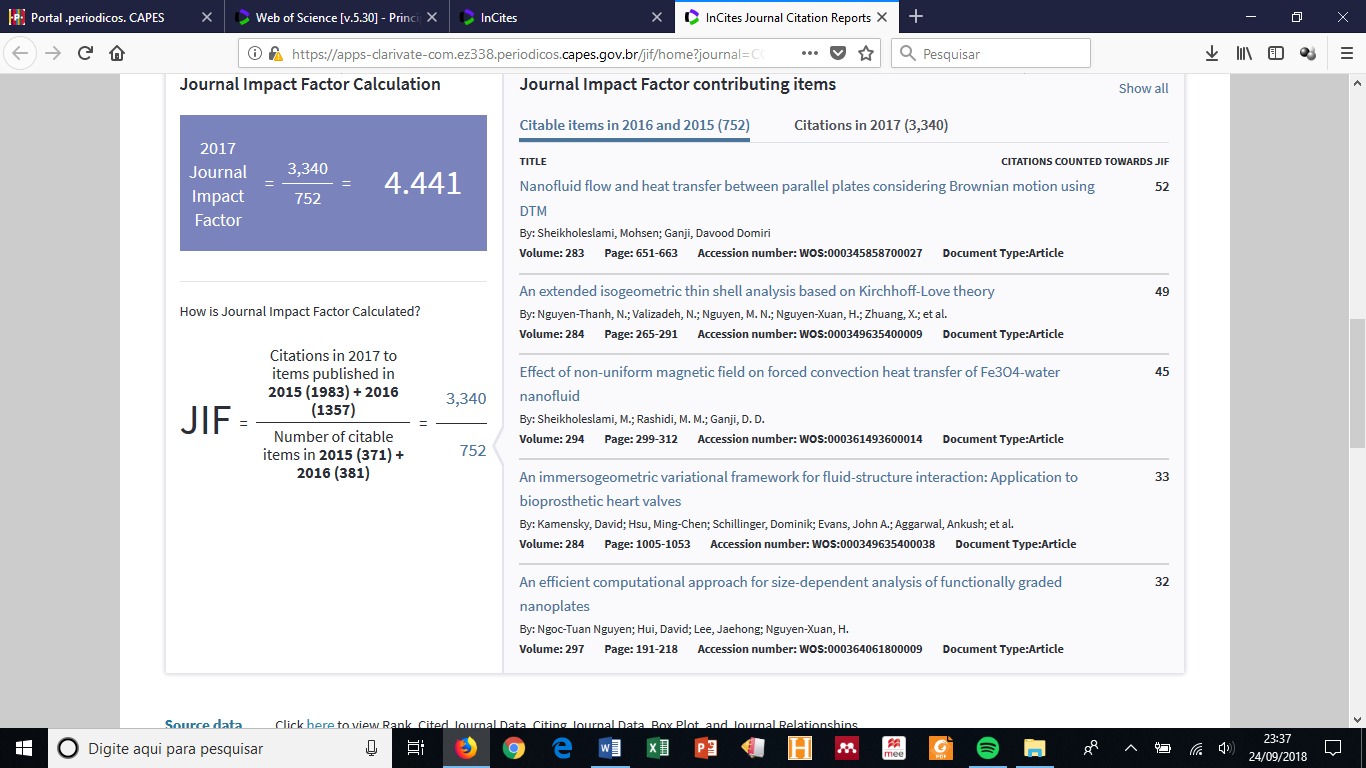
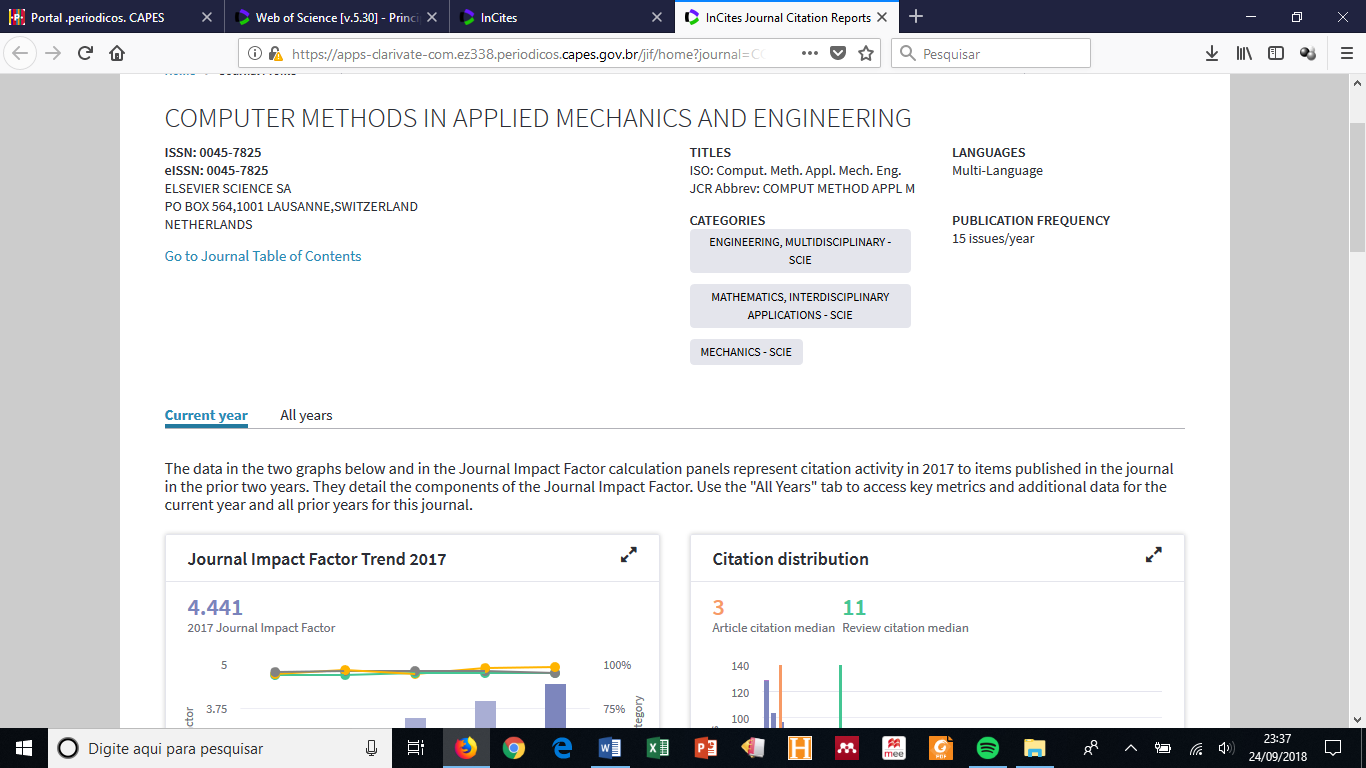
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[Flame ignition in the counterflow configuration: Reassessing the experimental assumptions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000390614600004)

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1. [Extended isogeometric dynamic and static fracture analysis for cracks in piezoelectric materials using NURBS](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361494700022)

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1. [Buckling and vibration analysis of a pressurized CNT reinforced functionally graded truncated conical shell under an axial compression using HDQ method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000371973800004)

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1. [Phase-field analysis of finite-strain plates and shells including element subdivision](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000389784000015)

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1. [Isogeometric mortar 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%3A000349635400010)

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1. [Computation of aerothermoelastic properties and active flutter control of CNT reinforced functionally graded composite panels in supersonic airflow](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000369487700018)

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1. [A Virtual Element Method for elastic and inelastic problems on polytope meshes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361494700016)

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1. [Isogeometric Kirchhoff-Love shell formulations for general hyperelastic 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%3A000354403300013)

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[An isogeometric implicit G(1) mixed finite element for Kirchhoff space rods](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000366864500014)

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[Minimum length scale in topology optimization by geometric constraints](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361475900013)

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[Bezier projection: A unified approach for local projection and quadrature-free refinement and coarsening of NURBS and T-splines with particular application to isogeometric design and 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%3A000349635400003)

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Document Type:Article

[An integrated fast Fourier transform-based phase-field and crystal plasticity approach to model recrystallization of three dimensional polycrystals](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349637700036)

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Volume: 285

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Document Type:Article

[Selective and reduced numerical integrations for NURBS-based isogeometric 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%3A000349635400028)

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By: Adam, C.; Hughes, T. J. R.; Bouabdallah, S.; Zarroug, M.; Maitournam, H.

Volume: 284

Page: 732-761

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Document Type:Article

[Ship-hull shape optimization with a T-spline based BEM-isogeometric solver](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349635400022)

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By: Kostas, K. V.; Ginnis, A. I.; Politis, C. G.; Kaklis, P. D.

Volume: 284

Page: 611-622

Accession number: WOS:000349635400022

Document Type:Article

[Numerical approximations to a new phase field model for two phase flows of complex fluids](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000384859400004)

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By: Zhao, Jia; Wang, Qi; Yang, Xiaofeng

Volume: 310

Page: 77-97

Accession number: WOS:000384859400004

Document Type:Article

[An element-free IMLS-Ritz method for numerical solution of three-dimensional wave equations](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000364061800006)

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By: Zhang, L. W.; Huang, Dongmei; Liew, K. M.

Volume: 297

Page: 116-139

Accession number: WOS:000364061800006

Document Type:Article

[Geometrically nonlinear large deformation analysis of functionally graded carbon nanotube reinforced composite straight-sided quadrilateral 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%3A000361494700011)

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By: Zhang, L. W.; Liew, K. M.

Volume: 295

Page: 219-239

Accession number: WOS:000361494700011

Document Type:Article

[Validation simulations for the variational approach to fracture](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000353892400019)

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Volume: 290

Page: 420-437

Accession number: WOS:000353892400019

Document Type:Article

[A unified Petrov-Galerkin spectral method for fractional PDEs](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000345858700064)

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Volume: 283

Page: 1545-1569

Accession number: WOS:000345858700064

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[Phase field modeling of fracture in multi-physics problems. Part III. Crack driving forces in hydro-poro-elasticity and hydraulic fracturing of fluid-saturated porous 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%3A000374506600026)

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Volume: 304

Page: 619-655

Accession number: WOS:000374506600026

Document Type:Article

[Computational modeling of non-linear diffusion in cardiac electrophysiology: A novel porous-medium 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%3A000369487700004)

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By: Hurtado, Daniel E.; Castro, Sebastian; Gizzi, Alessio

Volume: 300

Page: 70-83

Accession number: WOS:000369487700004

Document Type:Article

[Seen Is Solution a CAD/CAE integrated parallel reanalysis design 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%3A000366865300009)

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Volume: 299

Page: 187-214

Accession number: WOS:000366865300009

Document Type:Article

[An SPH modeling of bubble rising and coalescing in three dimensions](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361493600009)

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By: Zhang, Aman; Sun, Pengnan; Ming, Furen

Volume: 294

Page: 189-209

Accession number: WOS:000361493600009

Document Type:Article

[The harmonic balance method for bifurcation analysis of large-scale nonlinear mechanical 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%3A000361495500002)

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By: Detroux, T.; Renson, L.; Masset, L.; Kerschen, G.

Volume: 296

Page: 18-38

Accession number: WOS:000361495500002

Document Type:Article

[A semi-analytical framework for structural reliability 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%3A000352082400022)

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Volume: 289

Page: 475-497

Accession number: WOS:000352082400022

Document Type:Article

[Mixed stabilized finite element methods in nonlinear solid mechanics. Part III: Compressible and incompressible plasticity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349637700032)

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By: Cervera, M.; Chiumenti, M.; Benedetti, L.; Codina, R.

Volume: 285

Page: 752-775

Accession number: WOS:000349637700032

Document Type:Article

[Hierarchical T-splines: Analysis-suitability, Bezier extraction, and application as an adaptive basis for isogeometric 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%3A000349635400001)

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By: Evans, E. J.; Scott, M. A.; Li, X.; Thomas, D. C.

Volume: 284

Page: 1-20

Accession number: WOS:000349635400001

Document Type:Article

[Isogeometric collocation methods for the Reissner-Mindlin plate problem](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349635400016)

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Volume: 284

Page: 489-507

Accession number: WOS:000349635400016

Document Type:Article

[Fast isogeometric boundary element method based on independent field approximation](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349635400015)

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By: Marussig, Benjamin; Zechner, Juergen; Beer, Gernot; Fries, Thomas-Peter

Volume: 284

Page: 458-488

Accession number: WOS:000349635400015

Document Type:Article

[Topology optimization for microstructures of viscoelastic composite 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%3A000345858700020)

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By: Huang, Xiaodong; Zhou, Shiwei; Sun, Guangyong; Li, Guangyao; Xie, Yi Min

Volume: 283

Page: 503-516

Accession number: WOS:000345858700020

Document Type:Article

[PetIGA: A framework for high-performance isogeometric 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%3A000380512800008)

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By: Dalcin, L.; Collier, N.; Vignal, P.; Cortes, A. M. A.; Calo, V. M.

Volume: 308

Page: 151-181

Accession number: WOS:000380512800008

Document Type:Article

[From diffuse damage to sharp cohesive cracks: A coupled XFEM framework for failure analysis of quasi-brittle 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%3A000366865300003)

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By: Wang, Yongxiang; Waisman, Haim

Volume: 299

Page: 57-89

Accession number: WOS:000366865300003

Document Type:Article

[Constraints of distance from boundary to skeleton: For the control of length scale in level set based structural topology optimization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361494700024)

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By: Xia, Qi; Shi, Tielin

Volume: 295

Page: 525-542

Accession number: WOS:000361494700024

Document Type:Article

[Truncated hierarchical Catmull-Clark subdivision with local refinement](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000354403300001)

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Volume: 291

Page: 1-20

Accession number: WOS:000354403300001

Document Type:Article

[Explicit layout control in optimal design of structural systems with multiple embedding 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%3A000353892400014)

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By: Zhang, Weisheng; Zhong, Wenliang; Guo, Xu

Volume: 290

Page: 290-313

Accession number: WOS:000353892400014

Document Type:Article

[A primal-dual active set method and predictor-corrector mesh adaptivity for computing fracture propagation using a phase-field 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%3A000353892400021)

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Volume: 290

Page: 466-495

Accession number: WOS:000353892400021

Document Type:Article

[X-TMCMC: Adaptive kriging for Bayesian inverse modeling](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000352082400019)

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Volume: 289

Page: 409-428

Accession number: WOS:000352082400019

Document Type:Article

[Multiscale structural topology optimization with an approximate constitutive model for local material microstructure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349857700008)

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By: Xia, Liang; Breitkopf, Piotr

Volume: 286

Page: 147-167

Accession number: WOS:000349857700008

Document Type:Article

[A multi-resolution method for 3D multi-material topology optimization](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349637700024)

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By: Park, Jaejong; Sutradhar, Alok

Volume: 285

Page: 571-586

Accession number: WOS:000349637700024

Document Type:Article

[Design-space dimensionality reduction in shape optimization by Karhunen-Loeve expansion](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000345858700063)

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By: Diez, Matteo; Campana, Emilio F.; Stern, Frederick

Volume: 283

Page: 1525-1544

Accession number: WOS:000345858700063

Document Type:Article

[Isogeometric analysis enhanced by the scaled boundary finite element method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000345858700030)

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By: Natarajan, Sundararajan; Wang, JunChao; Song, Chongmin; Birk, Carolin

Volume: 283

Page: 733-762

Accession number: WOS:000345858700030

Document Type:Article

[Topology optimization with pressure load through a level set method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000345858700007)

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By: Xia, Qi; Wang, Michael Yu; Shi, Tielin

Volume: 283

Page: 177-195

Accession number: WOS:000345858700007

Document Type:Article

[Optimization of structures with thin-layer functional device on its surface through a level set based multiple-type boundary method](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000387520000004)

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Volume: 311

Page: 56-70

Accession number: WOS:000387520000004

Document Type:Article

[Chaotic conjugate stability transformation method for structural reliability 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%3A000384859400036)

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Volume: 310

Page: 866-885

Accession number: WOS:000384859400036

Document Type:Article

[Optimal quadrature rules for odd-degree spline spaces and their application to tensor-product-based isogeometric 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%3A000375330200010)

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Volume: 305

Page: 217-240

Accession number: WOS:000375330200010

Document Type:Article

[THB-splines: An effective mathematical technology for adaptive refinement in geometric design and isogeometric 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%3A000366865300014)

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Volume: 299

Page: 337-365

Accession number: WOS:000366865300014

Document Type:Article

[A three-dimensional computational framework for impact fracture analysis of automotive laminated glass](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361493600004)

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Volume: 294

Page: 72-99

Accession number: WOS:000361493600004

Document Type:Article

[Topology optimization using polytopes](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000361475900019)

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Volume: 293

Page: 411-430

Accession number: WOS:000361475900019

Document Type:Article

[Isogeometric Kirchhoff-Love shell formulations for biological 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%3A000361475900016)

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Volume: 293

Page: 328-347

Accession number: WOS:000361475900016

Document Type:Article

[Superconvergent isogeometric free vibration analysis of Euler-Bernoulli beams and Kirchhoff plates with new higher order mass matrices](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349857700012)

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By: Wang, Dongdong; Liu, Wei; Zhang, Hanjie

Volume: 286

Page: 230-267

Accession number: WOS:000349857700012

Document Type:Article

[Image-based goal-oriented adaptive isogeometric analysis with application to the micro-mechanical modeling of trabecular bone](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349635400005)

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Volume: 284

Page: 138-164

Accession number: WOS:000349635400005

Document Type:Article

[A NURBS-based immersed methodology for fluid-structure interaction](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349635400036)

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By: Casquero, Hugo; Bona-Casas, Carles; Gomez, Hector

Volume: 284

Page: 943-970

Accession number: WOS:000349635400036

Document Type:Article

[A NURBS based hybrid collocation-Galerkin method for the analysis of boundary represented 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%3A000349635400026)

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Volume: 284

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Accession number: WOS:000349635400026

Document Type:Article

[Patient-specific isogeometric structural analysis of aortic valve closure](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000349635400017)

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By: Morganti, S.; Auricchio, F.; Benson, D. J.; Gambarin, F. I.; Hartmann, S.; et al.

Volume: 284

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Accession number: WOS:000349635400017

Document Type:Article

[A first order hyperbolic framework for large strain computational solid dynamics. Part I: Total Lagrangian isothermal elasticity](http://gateway-webofknowledge.ez338.periodicos.capes.gov.br/gateway/Gateway.cgi?GWVersion=2&SrcAuth=TSMetrics&SrcApp=TSM_TEST&DestApp=WOS_CPL&DestLinkType=FullRecord&KeyUT=WOS%3A000345858700029)

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By: Bonet, Javier; Gil, Antonio J.; Lee, Chun Hean; Aguirre, Miquel; Ortigosa, Rogelio

Volume: 283

Page: 689-732

Accession number: WOS:000345858700029

Document Type:Article

[Optimizing the layout of discrete objects in structures and materials: A projection-based topology optimization 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%3A000345858700014)

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By: Guest, James K.

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Accession number: WOS:000345858700014

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