

## Reviews

- 1053 DOI: 10.1021/acs.energyfuels.6b02420  
**Review of Mercury Formation and Capture from CO<sub>2</sub>-Enriched Oxy-Fuel Combustion Flue Gas**  
Fumei Wang, Boxiong Shen,\* Jiancheng Yang, and Surjit Singh

## Articles

### Fossil Fuels

- 1065 DOI: 10.1021/acs.energyfuels.6b02899  
**Characterization of Crude Oil Interfacial Material Isolated by the Wet Silica Method. Part 1: Gel Permeation Chromatography Inductively Coupled Plasma High-Resolution Mass Spectrometry Analysis**  
Leticia M. Ligiero, Patrick Bouriat, Christophe Dicharry, Nicolas Passade-Boupat, Priscila M. Lalli, Ryan P. Rodgers, Caroline Barrère-Mangote, Pierre Giusti, and Brice Bouyssiere\*

- 1072 DOI: 10.1021/acs.energyfuels.6b02897  
**Characterization of Crude Oil Interfacial Material Isolated by the Wet Silica Method. Part 2: Dilatational and Shear Interfacial Properties**  
Leticia M. Ligiero, Christophe Dicharry, Nicolas Passade-Boupat, Brice Bouyssiere, Priscila M. Lalli, Ryan P. Rodgers, Caroline Barrère-Mangote, Pierre Giusti, and Patrick Bouriat\*

- 1082 DOI: 10.1021/acs.energyfuels.6b01673  
**Inhibition of Sodium Release from Zhundong Coal via the Addition of Mineral Additives: Online Combustion Measurement with Laser-Induced Breakdown Spectroscopy (LIBS)**  
Yong He, Ronald Whiddon,\* Zhihua Wang, Yingzu Liu, Yanqun Zhu, Jianzhong Liu, and Kefa Cen

- 1091 DOI: 10.1021/acs.energyfuels.6b01704  
**Hydrogen Evolution during Devolatilization To Predict Coking Potential of Metallurgical Coals**  
Pinakpani Biswas,\* Jeetendra Nath Panda, Debjani Nag, N. Chougale, V. K. Chandaliya, G. Ghosh, Pratik Swarup Dash, and B. C. Meikap

- 1100 DOI: 10.1021/acs.energyfuels.6b01882  
**Exploration Prospects of Shale Gas Resources in the Upper Permian Linxi Formation in the Suolun-Linxi Area, NE China**  
Renxing Lou, Qingshui Dong,\* and Hui Nie

1108  DOI: 10.1021/acs.energyfuels.6b02161  
**Simulation of Asphaltene Aggregation through Molecular Dynamics: Insights and Limitations**  
T. F. Headen, E. S. Boek, G. Jackson, T. S. Totton, and E. A. Müller\*

1126  DOI: 10.1021/acs.energyfuels.6b02167  
**Variations of Acidic Compounds in Crude Oil during Simulated Aerobic Biodegradation: Monitored by Semiquantitative Negative-Ion ESI FT-ICR MS**  
Yinhua Pan, Yuhong Liao,\* and Quan Shi

1136 DOI: 10.1021/acs.energyfuels.6b02176  
**Effects of Metamorphism and Deformation on the Coal Macromolecular Structure by Laser Raman Spectroscopy**  
Jienan Pan,\* Minmin Lv, Heling Bai, Quanlin Hou, Meng Li, and Zhenzhi Wang

1147 DOI: 10.1021/acs.energyfuels.6b02168  
**Experimental Study of Coal Pyrolysis under the Simulated High-Temperature and High-Stress Conditions of Underground Coal Gasification**  
Tian-Hong Duan, Zuo-Tang Wang,\* Zhen-Jia Liu, Ya-Zhou Chen, and Zhen-Bin Fu

1159 DOI: 10.1021/acs.energyfuels.6b02265  
**New Composite Viscosity Reducer with Both Asphaltene Dispersion and Emulsifying Capability for Heavy and Ultraheavy Crude Oils**  
Yujia Yang, Jixiang Guo,\* Zhongfu Cheng, Wenming Wu, Jianjun Zhang, Jiangwei Zhang, Zuguo Yang, and Dengshan Zhang

1174  DOI: 10.1021/acs.energyfuels.6b02278  
**Understanding the Liberation of Asphaltenes on the Muscovite Surface**  
Xingang Li, Yun Bai, Hong Sui,\* and Lin He\*

1182  DOI: 10.1021/acs.energyfuels.6b02322  
**Molecular Insights into Glass Transition in Condensed Core Asphaltenes**  
Pradeep Venkataraman,\* Kyriakos Zygourakis, Walter G. Chapman, Scott L. Wellington, and Michael Shammai


1193 DOI: 10.1021/acs.energyfuels.6b02286  
**CO<sub>2</sub> Storage and Flow Capacity Measurements on Idealized Shales from Dynamic Breakthrough Experiments**  
Hamza Aljamaan, Randall Holmes, Vikram Vishal, Reza Haghpanah, Jennifer Wilcox, and Anthony R. Kovscek\*

1208 DOI: 10.1021/acs.energyfuels.6b02362  
**Advanced Aspects of Crude Oils Correlating Data of Classical Biomarkers and Mass Spectrometry Petroleomics**  
Jandyson Machado Santos, Flávia Micaella Lemos Santos, Marcos Nogueira Eberlin, and Alberto Wisniewski Jr.\*

1218 DOI: 10.1021/acs.energyfuels.6b02430  
**Phenomenological Continuum Theory of Asphaltene-Stabilized Oil/Water Emulsions**  
Gyula I. Tóth,\* Juri Selvåg, and Bjorn Kvamme


1226 DOI: 10.1021/acs.energyfuels.6b02464  
**Evaluating Diffusivity of Toluene in Heavy Oil Using Nuclear Magnetic Resonance Imaging**  
Amir Fayazi,\* Sergey Kryuchkov, and Apostolos Kantzas

1235 DOI: 10.1021/acs.energyfuels.6b02491  
**Na-Containing Mineral Transformation Behaviors during Na<sub>2</sub>CO<sub>3</sub>-Catalyzed CO<sub>2</sub> Gasification of High-Alumina Coal**  
Yangang Mei, Zhiqing Wang,\* Huibin Fang, Yongwei Wang, Jiejie Huang, and Yitian Fang


1243  DOI: 10.1021/acs.energyfuels.6b02494  
**In Situ Identification of Various Structural Features of Vanadyl Porphyrins in Crude Oil by High-Field (3.4 T) Electron-Nuclear Double Resonance Spectroscopy Combined with Density Functional Theory Calculations**  
Timur Biktajirov, Marat Gafurov,\* Georgy Mamin, Irina Gracheva, Andrey Galukhin, and Sergei Orlinkii

1250 DOI: 10.1021/acs.energyfuels.6b02503  
**Elevated Mango's K<sub>1</sub> Values Resulting from Thermochemical Sulfate Reduction within the Tazhong Oils, Tarim Basin**  
Daofu Song,\* Chunming Zhang, Sumei Li, T.-G. Wang, and Meijun Li

1259 DOI: 10.1021/acs.energyfuels.6b02504  
**Characterization of Petroleum Residues with Varying Cutting Depth and Corresponding Vacuum Distillates Derived from Laboratory Deep-Vacuum Fractionation of Unconventional Heavy Oil for an Instructive Utilization Guideline**  
Peng Xue, Shiguang Fan, Xuebing Wang, Kun Chen,\* He Liu, Wei Xia, Aijun Guo, and Zongxian Wang\*

1269  DOI: 10.1021/acs.energyfuels.6b02543  
**Investigating Secondary Pyrolysis Reactions of Coal Tar via Mass Spectrometry Techniques**  
Jeffrey LeBlanc, John Quanci, and Marco J. Castaldi\*

1276 DOI: 10.1021/acs.energyfuels.6b02559  
**Dynamic Simulation of the Toe-to-Heel Air Injection Heavy Oil Recovery Process**  
Muhammad Rabiul Abo, Malcolm Greaves, and Sean P. Rigby\*

1285  DOI: 10.1021/acs.energyfuels.6b02567  
**Crude Oil Foams: Testing and Ranking of Antifoams with the Depressurization Test**  
Christian Blázquez, Christine Dalmazzone,\* Eliane Emond, and Sophie Schneider

1295 DOI: 10.1021/acs.energyfuels.6b02598  
**Thermal Cracking Characteristics and Kinetics of Oil Sand Bitumen and Its SARA Fractions by TG-FTIR**  
 Junhui Hao, Yuanjun Che, Yuanyu Tian,\* Dawei Li, Jinhong Zhang, and Yingyun Qiao\*

1310 DOI: 10.1021/acs.energyfuels.6b02623  
**Large Scale Molecular Model Construction of Xishan Bituminous Coal**  
 Zhiqiang Zhang,\* Qiannan Kang, Shual Wei, Tao Yun, Guochao Yan, and Kefeng Yan

1318 DOI: 10.1021/acs.energyfuels.6b02667  
**Influence of Temperature on the Product Distribution during the Fast Pyrolysis of Indonesian Oil Sands and the Relationships of the Products to the Oil Sand Organic Structure**  
 Fan Nie, Demin He, Jun Guan, Han Bao, Kaishuai Zhang, Tao Meng, and Qiumin Zhang\*

1329 DOI: 10.1021/acs.energyfuels.6b02686  
**Experimental and Theoretical Study of Viscosity Reduction in Heavy Crude Oils by Addition of Nanoparticles**  
 Esteban A. Taborda, Camilo A. Franco, Marco A. Ruiz, Vladimir Alvarado,\* and Farid B. Cortés

1339 DOI: 10.1021/acs.energyfuels.6b02687  
**Segregation of Amphiphilic Polymer-Coated Nanoparticles to Bicontinuous Oil/Water Microemulsion Phases**  
 Luqing Qi, Hadi ShamsiJazeyi, Gedeng Ruan, Jason A. Mann, Yen-Hao Lin, Chen Song, Yichuan Ma, Le Wang, James M. Tour,\* George J. Hirasaki,\* and Rafael Verduzco\*

1347 DOI: 10.1021/acs.energyfuels.6b02780  
**Effect of the Moisture Content in Coal on the Pyrolysis Behavior in an Indirectly Heated Fixed-Bed Reactor with Internals**  
 Erfeng Hu, Xi Zeng,\* Dachao Ma, Fang Wang, Xiaojian Yi, Yuan Li, and Xiaoheng Fu

1355 DOI: 10.1021/acs.energyfuels.6b02785  
**Comparison of the Kinetic Hydrate Inhibition Performance of Block and Statistical N-Alkylacrylamide Copolymers**  
 Lillian Ree, Malcolm A. Kelland,\* David Haddleton, and Fehaid Alsubaie

1362 DOI: 10.1021/acs.energyfuels.6b02807  
**Understanding Shale Oil Hydrotreatment with Composition Analysis Using Positive-Ion Mode Atmospheric Pressure Photoionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry**  
 Kui Zhang, Jian Yu, Shiqiu Gao, Changming Li, and Guangwen Xu\*

1370 DOI: 10.1021/acs.energyfuels.6b02826  
**Occlusion of Foreign Molecules in Primary Asphaltene Aggregates from Near-UV-Visible Absorption Studies**  
 Igor N. Evdokimov,\* Aleksey A. Fesan, and Aleksandr P. Losev

1376 DOI: 10.1021/acs.energyfuels.6b02624  
**One-Pot Extraction and Oxidative Desulfurization of Fuels with Molecular Oxygen in Low-Cost Metal-Based Ionic Liquids**  
 Chao Wang, Zhigang Chen,\* Wangqin Zhu, Peiwen Wu, Wei Jiang, Ming Zhang, Hongping Li, Wenshuai Zhu, and Huaming Li\*

1383 DOI: 10.1021/acs.energyfuels.6b02867  
**Development of Sulfur Release and Reaction Model for Computational Fluid Dynamics Modeling in Sub-Bituminous Coal Combustion**  
 Zhi Zhang, Denggao Chen, Zhenshan Li,\* Ningsheng Cai, and Junji Imada

1399 DOI: 10.1021/acs.energyfuels.6b02869  
**Kinetic Modeling of Thermal Oxidation and Coking Deposition in Aviation Fuel**  
 Xinyan Pei, Lingyun Hou,\* and Zhuyin Ren

1406 DOI: 10.1021/acs.energyfuels.6b02875  
**Improvement of Activated Carbon from Jixi Bituminous Coal by Air Preoxidation**  
 Dongdong Liu, Jihui Gao,\* Qingxi Cao, Shaohua Wu, and Yukun Qin

1416 DOI: 10.1021/acs.energyfuels.6b02900  
**Characterization of Morphology and Structure of Wax Crystals in Waxy Crude Oils by Terahertz Time-Domain Spectroscopy**  
 Chen Jiang, Kun Zhao,\* Cheng Fu, and LiZhi Xiao

1422 DOI: 10.1021/acs.energyfuels.6b02902  
**Tribological Approach to Investigate the Interface Properties in Metallurgical Coke**  
 Richard Roest,\* Hannah Lomas, Kim Hockings, and Merrick R. Mahoney

1429 DOI: 10.1021/acs.energyfuels.6b02920  
**Natural Gas Dehydration with Ionic Liquids**  
 Gangqiang Yu, Chengna Dai, Liang Wu, and Zhigang Lei\*

1440 DOI: 10.1021/acs.energyfuels.6b02916  
**Energy Intensity and Greenhouse Gas Emissions from Oil Production in the Eagle Ford Shale**  
 Sonia Yeh,\* Abbas Ghandi, Bridget R. Scanlon, Adam R. Brandt, Hao Cai, Michael Q. Wang, Kourosh Vafi, and Robert C. Reedy

1450 DOI: 10.1021/acs.energyfuels.6b02982  
**Characteristics and Hydrocarbon Generation of the Marine Source Rock of the Upper Oligocene Zhuhai Formation in the Baiyun Sag, Pearl River Mouth Basin, South China Sea**  
 Zhenglong Jiang\*

1460 DOI: 10.1021/acs.energyfuels.6b03052  
**Flocculation of Coal Waste Slurry Using Bioflocculant Produced by *Azotobacter chroococcum***  
Zhichao Yang,\* Wei Wang, and Shengyu Liu

1468 DOI: 10.1021/acs.energyfuels.6b03126  
**Characterization of Water-in-Oil Emulsion and Upgrading of Asphalt with Supercritical Water Treatment**  
Di Shu, Yong Chi,\* Jielin Liu, and Qunxing Huang

1478 DOI: 10.1021/acs.energyfuels.6b03130  
**Properties of Carbon Dioxide Foam Stabilized by Hydrophilic Nanoparticles and Hexadecyltrimethylammonium Bromide**  
Songyan Li,\* Chenyu Qiao, Zhaomin Li,\* and Silagi Wanambwa

1489 DOI: 10.1021/acs.energyfuels.6b03144  
**Methane Adsorption on Carbon Models of the Organic Matter of Organic-Rich Shales**  
Jian Xiong, Xiangjun Liu,\* Lixi Liang, and Qun Zeng

1502 DOI: 10.1021/acs.energyfuels.6b03172  
**Controls on Gas Content and Carbon Isotopic Abundance of Methane in Qinnan-East Coal Bed Methane Block, Qinshui Basin, China**  
Zhaoping Meng,\* Jiwei Yan, and Guoqing Li

1512 DOI: 10.1021/acs.energyfuels.6b03186  
**Simulation Studies on the Role of Lauryl Betaine in Modulating the Stability of AOS Surfactant-Stabilized Foams Used in Enhanced Oil Recovery**  
Le Wang, D. Asthagiri, Yongchao Zeng, and Walter G. Chapman\*

1519 DOI: 10.1021/acs.energyfuels.6b03188  
**Terpolymer Gel System Formed by Resorcinol-Hexamethylenetetramine for Water Management in Extremely High-Temperature Reservoirs**  
Daoyi Zhu, Jirui Hou, Qi Wei, Xuan Wu, and Baojun Bai\*

1529 DOI: 10.1021/acs.energyfuels.6b03249  
**Waterflood Oil Recovery from Mixed-Wet Limestone: Dependence upon the Contact Angle**  
Magali Christensen and Yuki Tanino\*

## Biofuels and Biomass

1536 DOI: 10.1021/acs.energyfuels.6b01310  
**Trace Elements in Vegetable Oils after Hydroconversion into Advanced-Generation Biocomponents**  
Łukasz Jęczmionek,\* Marek Kozak, Xymena Badura, Zbigniew Stepień, Leszek Ziemiański, Grażyna Żak, Wojciech Krasodomski, and Grzegorz Wcisło

1544 DOI: 10.1021/acs.energyfuels.6b01846  
**Effects of Torrefaction on the Physicochemical Characteristics of Sawdust and Rice Husk and Their Pyrolysis Behavior by Thermogravimetric Analysis and Pyrolysis-Gas Chromatography/Mass Spectrometry**  
Wenfei Cai, Antzela Fivga, Ossi Kaario, and Ronghou Liu\*

1555 DOI: 10.1021/acs.energyfuels.6b02000  
**Enhancing the Reactivity of Petroleum Coke in CO<sub>2</sub> via Co-Processing with Selected Carbonaceous Materials**  
Ashak Mahmud Parvez, Yu Hong, Edward Lester, and Tao Wu\*

1564 DOI: 10.1021/acs.energyfuels.6b02252  
**Improvement of the Biomass Tar Removal Capacity of Scrubbing Oil Regenerated by Mechanical Solid-Liquid Separation**  
Thanyawan Tarnpradab,\* Sriwat Unyaphan, Fumitake Takahashi, and Kunio Yoshikawa

1574 DOI: 10.1021/acs.energyfuels.6b02269  
**Upgrading Sewage Sludge Liquefaction Bio-Oil by Microemulsification: The Effect of Ethanol as Polar Phase on Solubilization Performance and Fuel Properties**  
Xiaowei Ding, Xingzhong Yuan,\* Lijian Leng, Huajun Huang, Hou Wang, Jianguang Shao, Longbo Jiang, Xiaohong Chen, and Guangming Zeng

1583 DOI: 10.1021/acs.energyfuels.6b02312  
**Alkali-Feldspar as a Catalyst for Biomass Gasification in a 2-MW Indirect Gasifier**  
Nicolas Bergerand\* and Teresa Berdugo Vilches

1593 DOI: 10.1021/acs.energyfuels.6b02446  
**Potential of Near-Infrared Spectroscopy for Distinguishing Charcoal Produced from Planted and Native Wood for Energy Purpose**  
Fernanda Maria Guedes Ramalho,\* Paulo Ricardo Gherardi Hein, Jéssica Moreira Andrade, and Alfredo Napoli

1600 DOI: 10.1021/acs.energyfuels.6b02463  
**Reforming Biomass Derived Pyrolysis Bio-oil Aqueous Phase to Fuels**  
Calvin Mukarakate,\* Robert J. Evans, Steve Deutch, Tabitha Evans, Anne K. Starace, Jeroen ten Dam, Michael J. Watson, and Kim Magrini

1608 DOI: 10.1021/acs.energyfuels.6b02508  
**Initial Reaction Mechanism of Bio-oil High-Temperature Oxidation Simulated with Reactive Force Field Molecular Dynamics**  
Xiaolong Liu, Xiaoxia Li,\* Fengguang Nie, and Li Guo

1620 DOI: 10.1021/acs.energyfuels.6b02645  
**Pyrolysis Two-Dimensional GC-MS of *Miscanthus* Biomass: Quantitative Measurement Using an Internal Standard Method**  
Gary S. Groenewold,\* Kristyn M. Johnson, S. Carter Fox, Cathy Rae, Christopher A. Zarzana, Bethany R. Kersten, Salene M. Rowe, Tyler L. Westover, Garold L. Gresham, Rachel M. Emerson, and Amber N. Hoover

- 1631 DOI: 10.1021/acs.energyfuels.6b02701  
**Release of K and Cl and Emissions of NO<sub>x</sub> and SO<sub>2</sub> during Reed Black Liquor Combustion in a Fluidized Bed**  
 Xiaoyu Ji, Haipei Bie, Yaning Zhang, Pei Chen, Wenxuan Fang, and Rushan Bie\*
- 1638 DOI: 10.1021/acs.energyfuels.6b02792  
**Hydrothermal-Controlled Conversion of Black Liquor Acid Sediment Directly to Phenolics**  
 Jiangyong Chu, Weikun Jiang, Shubin Wu,\* Lucian A. Lucia, and Ming Lei
- 1644 DOI: 10.1021/acs.energyfuels.6b02895  
**Validation of a Multiparameter Model To Investigate Torrefied Biomass Pelletization Behavior**  
 Maria Puig-Arnavat,\* Jesper Ahrenfeldt, and Ulrik B. Henriksen
- 1650 DOI: 10.1021/acs.energyfuels.6b02950  
**Characterization of the Water-Soluble Fraction of Woody Biomass Pyrolysis Oils**  
 Filip Stankovikj, Armando G. McDonald, Gregory L. Helms, Mariefel V. Olarte, and Manuel Garcia-Perez\*
- 1665 DOI: 10.1021/acs.energyfuels.6b02964  
**Polycyclic Aromatic Hydrocarbons and Toxic Heavy Metals in Municipal Solid Waste and Corresponding Hydrochars**  
 Nana Peng, Yi Li, Tingting Liu, Qianqian Lang, Chao Gai, and Zhengang Liu\*
- 1672 DOI: 10.1021/acs.energyfuels.6b02980  
**Time-Dependent Crack Layer Formation in Quartz Bed Particles during Fluidized Bed Combustion of Woody Biomass**  
 Hanbing He,\* Nils Skoglund, and Marcus Ohman
- 1678 DOI: 10.1021/acs.energyfuels.6b03000  
**Influence of Mixed Supports on the Steam Catalytic Reforming of Wood Vinegar**  
 Xiwei Xu,\* Enchen Jiang,\* Yan Sun, and Zhiyu Li
- 1689 DOI: 10.1021/acs.energyfuels.6b03132  
**TG-FTIR Method for the Characterization of Bio-oils in Chemical Families**  
 Filip Stankovikj and Manuel Garcia-Perez\*
- 1702 DOI: 10.1021/acs.energyfuels.6b03161  
**Kinetic Model of Steam Gasification of Biomass in a Bubbling Fluidized Bed Reactor**  
 Bijan Hejazi,\* John R. Grace, Xiaotao Bi, and Andrés Mahecha-Botero

## Environmental and Carbon Dioxide Issues

- 1712 DOI: 10.1021/acs.energyfuels.6b02454  
**Microstructural and Mechanical Properties of Geopolymers Synthesized from Three Coal Fly Ashes from South Africa**  
 Mbuso Kingdom Dlodlu, Bilainu Oboirien,\* and Rotimi Sadiku
- 1723 DOI: 10.1021/acs.energyfuels.6b02586  
**Development of an Electrolytic Cation Exchange Module for the Simultaneous Extraction of Carbon Dioxide and Hydrogen Gas from Natural Seawater**  
 Heather D. Willauer,\* Felice DiMascio, Dennis R. Hardy, and Frederick W. Williams
- 1731 DOI: 10.1021/acs.energyfuels.6b02643  
**Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Characterization of Athabasca Oil Sand Process-Affected Waters Incubated in the Presence of Wetland Plants**  
 Chukwuemeka Ajaero,\* Dena W. McMartin,\* Kerry M. Peru, Jon Bailey, Monique Haakensen, Vanessa Friesen, Rachel Martz, Sarah A. Hughes, Christine Brown, Huan Chen, Amy M. McKenna, Yuri E. Corilo, and John V. Headley
- 1741 DOI: 10.1021/acs.energyfuels.6b02692  
**Particulate Matter Emission Characteristics and Removal Efficiencies of a Low-Low Temperature Electrostatic Precipitator**  
 Zhifu Qi,\* Jingwei Li, Dongli Wu, Weiyang Xie, Xiaodong Li, and Chunhong Liu
- 1747 DOI: 10.1021/acs.energyfuels.6b02709  
**Carbon Dioxide Fixation by Combined Method of Physical Absorption and Carbonation in NaOH-Dissolved Methanol**  
 Sang-Jun Han and Jung-Ho Wee\*
- 1756 DOI: 10.1021/acs.energyfuels.6b02800  
**Enhancing CO<sub>2</sub> Adsorption via Amine-Impregnated Activated Carbon from Oil Sands Coke**  
 Abedeh Gholidoust, John D. Atkinson, and Zaher Hashisho\*
- 1764 DOI: 10.1021/acs.energyfuels.6b02787  
**Study on the Removal of Fine Particles from Gas Steam Using Water in a Rotating Packed Bed Combined with a Charged Device**  
 Hai-Kui Zou, Kun Dong, Qiang Zhang, Yan Liang, Moses Arowo, Zhichao Wen, Guang-Wen Chu, Baochang Sun,\* and Jian-Feng Chen
- 1771 DOI: 10.1021/acs.energyfuels.6b02884  
**Using Ionic Liquid Mixtures To Improve the SO<sub>2</sub> Absorption Performance in Flue Gas**  
 Wen Li, Ying Liu,\* Lihong Wang, and GuanJun Gao
- 1778 DOI: 10.1021/acs.energyfuels.6b02919  
**Physical and Chemical Characteristics of Condensable Particulate Matter from an Ultralow-Emission Coal-Fired Power Plant**  
 Jingwei Li, Zhifu Qi, Min Li, Dongli Wu, Chenyang Zhou, Shengyong Lu, Jianhua Yan, and Xiaodong Li\*

1786 DOI: 10.1021/acs.energyfuels.6b02953

**Efficient and Reversible Absorption of Sulfur Dioxide of Flue Gas by Environmentally Benign and Stable Quaternary Ammonium Inner Salts in Aqueous Solutions**

Kai Zhang, Shuhang Ren, Lingyuan Meng, Yucui Hou, Weize Wu,\* and Yuyun Bao

1793 DOI: 10.1021/acs.energyfuels.6b02963

**Mechanism and Kinetics of CO<sub>2</sub> Absorption into an Aqueous Solution of a Triamino-Functionalized Ionic Liquid**

Xiaobin Zhou, Guohua Jing,\* Fan Liu, Bihong Lv, and Zuoming Zhou

1803 DOI: 10.1021/acs.energyfuels.6b03116

**Adsorption Characteristics of Coals Pyrolyzed at Slow Heating Rates**

Robert L. Krumm, Keith W. Gneslin, and Milind Deo\*

**Efficiency and Sustainability**

1811 DOI: 10.1021/acs.energyfuels.6b02321

**Optimization of a High-Energy Ti–Al–B Nanopowder Fuel**

Albert Epshteyn,\* Michael R. Weismiller, Zachary J. Huba, Emily L. Maling, and Adam S. Chaimowitz

1820 DOI: 10.1021/acs.energyfuels.6b02784

**Kinetic Study on Mercury Sorption from Fuel Gas**

Muhammad Nurul Huda,\* Wenhan Li,\* Meilin Dai, and Lvrong Lin

1825 DOI: 10.1021/acs.energyfuels.6b03083

**Superabsorbent Polymer with High Swelling Ratio, and Temperature-Sensitive and Magnetic Properties Employed as an Efficient Dewatering Medium of Fine Coal**

Suhong Zhang,\* Hangchao Chen, Shengyu Liu, and Jianying Guo

**Catalysis and Kinetics**

1832 DOI: 10.1021/acs.energyfuels.6b01569

**Quick Evaluation of Source Rock Kerogen Kinetics Using Hydrocarbon Pyrograms from Regular Rock-Eval Analysis**

Zhuoheng Chen,\* Xiaojun Liu, and Chunqing Jiang

1842 DOI: 10.1021/acs.energyfuels.6b02270

**Determination of the Synergism/Antagonism Parameters during Co-gasification of Potassium-Rich Biomass with Non-biomass Feedstock**

Roxin Fernandes, Josephine M. Hill, and Jan Kopyscinski\*

1850 DOI: 10.1021/acs.energyfuels.6b02418

**Promotion Effect of Carbon Nanotubes-Doped SDS on Methane Hydrate Formation**

Yuanmei Song, Fei Wang, Guoqiang Liu, Shengjun Luo,\* and Rongbo Guo\*

1858 DOI: 10.1021/acs.energyfuels.6b02992

**Reactivity and Structure Changes of Coal Tar Asphaltene during Slurry-Phase Hydrocracking**

Juntao Du,\* Wenan Deng,\* Chuan Li, Zailong Zhang, Tengfei Yang, and Ruilong Guo

1866 DOI: 10.1021/acs.energyfuels.6b03005

**Density Functional Theory and Microkinetic Studies of Bio-oil Decomposition on a Cobalt Surface: Formic Acid as a Model Compound**

Xinbao Li, Shurong Wang,\* Yingying Zhu, Chen Lv, and Guohua Yang

1874 DOI: 10.1021/acs.energyfuels.6b02991

**Screening of Oxygen-Reduction-Reaction-Efficient Electrocatalysts Based on Ag–M (M = 3d, 4d, and 5d Transition Metals) Nanoalloys: A Density Functional Theory Study**

Mahesh Datt Bhatt, Geunsik Lee, and Jae Sung Lee\*

1882 DOI: 10.1021/acs.energyfuels.6b03192

**Benzene, Toluene, *m*-Xylene Adsorption on Silica-Based Adsorbents**

T. Ncube, K. Suresh Kumar Reddy, Ahmed Al Shoaibi,\* and C. Srinivasakannan

**Combustion**

1889 DOI: 10.1021/acs.energyfuels.6b01610

**Speciation and Distribution of Sodium during Zhundong Coal Gasification in a Circulating Fluidized Bed**

Weijian Song, Guoliang Song,\* Xiaobin Qi, Shaobo Yang, Qinggang Lu, and Wojciech Nowak

1896 DOI: 10.1021/acs.energyfuels.6b02101

**Investigation of Two Hematites as Oxygen Carrier and Two Low-Rank Coals as Fuel in Chemical Looping Combustion**

Jinchen Ma, Xin Tian, Haibo Zhao,\* Sankar Bhattacharya, Sharmen Rajendran, and Chuguang Zheng

1904 DOI: 10.1021/acs.energyfuels.6b02224

**Skeletal Methane–Air Reaction Mechanism for Large Eddy Simulation of Turbulent Microwave-Assisted Combustion**

A. Larsson, N. Zettervall, T. Hurtig, E. J. K. Nilsson,\* A. Ehn, P. Petersson, M. Alden, J. Larfeldt, and C. Fureby

1927 DOI: 10.1021/acs.energyfuels.6b02225


**Transition Mechanism Between Combustion Regions in Swirling Entrained Flow Downer Reactors**

Tal Eluk,\* Avi Levy, Efir Korytnyi, and Tali Bar-Kohany

1935 DOI: 10.1021/acs.energyfuels.6b02639

**Some Aspects of the Mechanism of Formation of Smoke from the Combustion of Wood**

F. A. Atiku, A. R. Lea-Langton, K. D. Bartle, J. M. Jones, A. Williams,\* I. Burns, and G. Humphries

1945  DOI: 10.1021/acs.energyfuels.6b02659

**Chemical Kinetic Insights into the Octane Number and Octane Sensitivity of Gasoline Surrogate Mixtures**

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## Fuel Cells

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**Safe and Green Modified Ostrich Eggshell Membranes as Dual Functional Fuel Cell Membranes**

Mohammad Reza Molavian, Amir Abdolmaleki,\* Hamidreza Gharibi, Koorosh Firouz Tadavani, and Mohammad Zhiani


## Batteries and Energy Storage

2024  DOI: 10.1021/acs.energyfuels.6b02510

**Techno-economic Analysis of Metal–Organic Frameworks for Hydrogen and Natural Gas Storage**

Daniel DeSantis,\* Jarad A. Mason, Brian D. James, Cassidy Houchins, Jeffrey R. Long, and Mike Veenstra

## Process Engineering

2033  DOI: 10.1021/acs.energyfuels.6b01755

**System Optimization for Fischer–Tropsch Liquid Fuels Production via Solar Hybridized Dual Fluidized Bed Gasification of Solid Fuels**

Peijun Guo,\* Woei L. Saw, Philip J. van Eyk, Ellen B. Stechel, Peter J. Ashman, and Graham J. Nathan

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**Distribution Characteristics of Heavy Metals in Different Size Fly Ash from a Sewage Sludge Circulating Fluidized Bed Incinerator**

Yanlong Li, Ruoqi Cui, Tianhua Yang, Zhenyu Zhai, and Rundong Li\*

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**High Olefin Yield in Pyrolysis of Heavier Hydrocarbon Liquids Using Microwave as Heat Supplier**

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**Modeling of Asphaltene Precipitation from Crude Oil with the Cubic Plus Association Equation of State**

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**Simulation-Based Evaluation of a Two-Stage Small-Scale Methanation Unit for Decentralized Applications**

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**Investigation of Coke Quality Variation between Heat-Recovery and Byproduct Cokemaking Technology**

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**Utilization of Fly Ashes from the Coal Burning Processes to Produce Effective Low-Cost Sorbents**

Agnieszka Adamczuk and Dorota Kolodyńska\*

## Additions and Corrections

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**Correction to Gas Production from Methane Hydrate: A Laboratory Simulation of the Multistage Depressurization Test in Mallik, Northwest Territories, Canada**

Katja U. Heeschen,\* Sven Abendroth, Mike Priegnitz, Erik Spangenberg, Jan Thaler, and Judith M. Schicks

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