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SPECIAL SECTION: 18TH INTERNATIONAL CONFERENCE ON PETROLEUM PHASE BEHAVIOR AND FOULING

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- 3588** DOI: 10.1021/acs.energyfuels.7b04141
Stability of a Rh/CeO₂–ZrO₂ Catalyst in the Oxidative Steam Reforming of Raw Bio-oil
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- 3599** DOI: 10.1021/acs.energyfuels.8b00119
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- 3608** DOI: 10.1021/acs.energyfuels.8b00333
Bed Agglomeration during Bio-oil Fast Pyrolysis in a Fluidized-Bed Reactor
 Wenran Gao, Mingming Zhang, and Hongwei Wu*

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- 3614** DOI: 10.1021/acs.energyfuels.7b03113
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- 3627** DOI: 10.1021/acs.energyfuels.7b03344
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- 3637** DOI: 10.1021/acs.energyfuels.7b03616
Carbon Dioxide Absorption from Biogas by Amino Acid Salt Promoted Potassium Carbonate Solutions in a Hollow Fiber Membrane Contactor: A Numerical Study
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- 3647** DOI: 10.1021/acs.energyfuels.7b03648
Experimental Study on Simultaneous Absorption and Desorption of CO₂, SO₂, and NO_x Using Aqueous N-Methyldiethanolamine and Dimethyl Sulfoxide Solutions
 Qinlan Luo, Bin Feng, Zuhuan Liu, Qulan Zhou, Yafei Zhang, and Na Li*

- 3660** DOI: 10.1021/acs.energyfuels.7b03721
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- 3668** DOI: 10.1021/acs.energyfuels.7b03743
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- 3681** DOI: 10.1021/acs.energyfuels.7b03826
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- 3690** DOI: 10.1021/acs.energyfuels.7b03887
Experimental Study on In Situ Preparation of Supported Sorbent for Moderate Temperature CFB-FGD
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- 3697** DOI: 10.1021/acs.energyfuels.7b03907
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 Shahadev Rabha, Jyotilima Saikia, K.S.V. Subramanyam, James C Hower, Madison M. Hood, Puja Khare, and Binoy K Saikia*

- 3709** DOI: 10.1021/acs.energyfuels.7b04125
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- 3716** DOI: 10.1021/acs.energyfuels.7b04147
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- 3726** DOI: 10.1021/acs.energyfuels.8b00125
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- 3733** DOI: 10.1021/acs.energyfuels.8b00245
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- 3743** DOI: 10.1021/acs.energyfuels.7b03175
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Ramachandra Chakravarthy, Chhayakanta Acharya, Anilkumar Savalia, Ganesh N. Naik, Asit Kumar Das, Chandra Saravanan, Anurag Verma, and Kalagouda B. Gudasi*

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Compressed-Liquid Density Measurements of Four Polyol Ester-Based Lubricants
Stephanie L. Outcalt*

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Acid Modified H-USY Zeolite for Efficient Catalytic Transformation of Fructose to 5-Hydroxymethyl Furfural (Biofuel Precursor) in Methyl Isobutyl Ketone–Water Biphasic System
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Catalytic Decomposition of Pyrolysis Fuel Oil over in Situ Carbon-Coated Ferrelite Zeolite for Selective Hydrogen Production
Jiheon Kim, Gui-Young Han,* Jaeyeong Park, and Jong-Wook Bae*

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Combustion

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A Shock Tube Experimental and Modeling Study of Multicomponent Gasoline Surrogates Diluted with Exhaust Gas Recirculation
Hua Li, Liang Yu, Shuzhou Sun, Siku Wang, Xingcai Lu,* and Zhen Huang*

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Ignition Delay Characteristics and Kinetic Investigation of Dimethyl Ether/n-Pentane Binary Mixtures: Interpreting the Effect of the Equivalence Ratio and Dimethyl Ether Blending
Xue Jiang,* Fuquan Deng, Feiyu Yang, and Zuohua Huang*

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Numerical Investigation on Effects of Nonequilibrium Plasma on Laminar Burning Velocity of Ammonia Flame
Akira Shioyoke,* Jun Hayashi, Ryuichi Murai, Noriaki Nakatsuka, and Fumiteru Akamatsu

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Combustion Behavior of Coals in Rotary Kiln and Their Interaction on Co-combustion
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Skeletal Kinetic Mechanism Generation and Uncertainty Analysis for Combustion of Iso-octane at High Temperatures
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Numerical Investigation of Supercritical Combustion of H₂–O₂
A. Mardani* and E. Barani*

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Potential for Reducing Emissions in Reactivity-Controlled Compression Ignition Engines by Fueling Syngas and Diesel
Zhen Xu, Ming Jia,* Guangfu Xu, Yaopeng Li, Liang Zhao, Leilei Xu, and Xingcai Lu

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Size Distribution of Soot Particles in Premixed n-Heptane and Methylcyclohexane Flames
Balyang Lin, Hao Gu, Hong Ni, Bin Guan, Zhongzhao Li,* Dong Han, Zhen Huang, and He Lin

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Calculated Impacts of Diluents on Flame Temperature, Ignition Delay, and Flame Speed of Methane–Oxygen Mixtures at High Pressure and Low to Moderate Temperatures
Fatemeh Babazadeh Shareh,* Geoffrey Silcox, and Eric G. Eddings

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Effects of Methane Addition on Exhaust Gas Emissions and Combustion Efficiency of the Premixed n-Heptane/Air Combustion
Peng Zhang, Jingyu Ran,* Changlei Qin, Xuesen Du, Juntian Niu, and Lin Yang

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Barbara Graziano,* Tamara Ottenwälder, Daniel Manderfeld, Stefan Pischinger, and Gerd Grünefeld

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Alexander J. Vervust, Marko R. Djokic, Shamel S. Merchant, Hans-Heinrich Carstensen, Alan E. Long, Guy B. Marin, William H. Green, and Kevin M. Van Geem*

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 Laminar Flame Characteristics and Kinetic Modeling Study of Ethyl Tertiary Butyl Ether Compared with Methyl Tertiary Butyl Ether, Ethanol, Iso-Octane, and Gasoline
Erjiang Hu,* Jinfeng Ku, Geyuan Yin, Chanchan Li, Xin Lu, and Zuohua Huang

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Lihui Zhang, Feng Duan,* and Chiensong Chyung*

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 Reaction Mechanism for Sulfur Species during Pulverized Coal Combustion
Honghe Ma,* Lu Zhou, Suxia Ma, Zhijian Wang, Zhigang Cui, Wei Zhang, and Jun Li

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Ying-Hao Liao* and Xiang-Hong Zhao

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 Kinetic Modeling of the Influence of Cyclohexane on the Homogeneous Ignition of a Gasoline Surrogate Fuel
J. C. G. Andrae*

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Matthias Dohrn* and Michael Müller

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 Investigation on Kinetic Parameters of Combustion and Oxy-Combustion of Calcined Pet Coke Employing Thermogravimetric Analysis Coupled to Artificial Neural Network Modeling
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 Thermal Property Enhancement of Paraffin-Wax-Based Hydroxyl-Terminated Polybutadiene Binder with a Novel NanoSiO₂-Expanded Graphite-PW Ternary Form-Stable Phase Change Material
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 Experimental and Modeling Study of Organic Chloride Compounds Removal from Naphtha Fraction of Contaminated Crude Oil Using Sintered γ-Al₂O₃ Nanoparticles: Equilibrium, Kinetic, and Thermodynamic Analysis
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Si Jiao, Sufen Li,* Hang Pu, Ming Dong, and Yan Shang

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H. Chakibi, I. Hénaut, A. Salonen, D. Langevin, and J.-F. Argillier*

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 Research on a Dual Solvent To Separate Olefin/Aromatic–Sulfide from Heavy Fluid Catalytic Cracking Naphtha
Yuhao Zhang, Yongtao Wang, Feng Chen, Suxin Liu, Liang Zhao,* Jinsen Gao, Tianzhen Hao, and Chunming Xu

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