

SPECIAL SECTION: 2ND INTERNATIONAL SCIENTIFIC CONFERENCE BIOGAS SCIENCE

Editorial

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Alexander Bauer,* Günther Bochmann, Georg M. Gübitz, Andreas Gronauer, Stefanie Scheidl, Stefan Weiß, and Christoph Pfeifer

Articles

4005 DOI: 10.1021/ef5027949

Anaerobic Mono- and Co-digestion of Mechanically Pretreated Meadow Grass for Biogas Production
Panagiotis Tsapekos, Panagiotis G. Kougias, and Irini Angelidaki*

4011 DOI: 10.1021/ef502812s

Biogas in Europe: Food and Beverage (FAB) Waste Potential for Biogas Production
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4022 DOI: 10.1021/ef502807s

Assessment of the Variations in Characteristics and Methane Potential of Major Waste Products from the Brazilian Bioethanol Industry along an Operating Season
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4030 DOI: 10.1021/acs.energyfuels.5b00191

Extrusion as Pretreatment for Boosting Methane Production: Effect of Screw Configurations
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4038 DOI: 10.1021/ef502816c

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4046 DOI: 10.1021/ef502808p
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4052 DOI: 10.1021/ef502809e
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4058 DOI: 10.1021/ef502804j
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4066 DOI: 10.1021/ef502778u
Demand-Orientated Power Production from Biogas: Modeling and Simulations under Swedish Conditions
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4076 DOI: 10.1021/ef502633u
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4100 DOI: 10.1021/acs.energyfuels.5b00634
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4114 DOI: 10.1021/ef502799g
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4122 DOI: 10.1021/ef502759q
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4137 DOI: 10.1021/acs.energyfuels.5b00097
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4150 DOI: 10.1021/acs.energyfuels.5b00269
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4160 DOI: 10.1021/acs.energyfuels.5b00286
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4201 DOI: 10.1021/acs.energyfuels.5b00574
Atmospheric Pressure Photoionization and Laser Desorption Ionization Coupled to Fourier Transform Ion Cyclotron Resonance Mass Spectrometry To Characterize Asphaltene Solubility Fractions: Studying the Link between Molecular Composition and Physical Behavior
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4210 DOI: 10.1021/acs.energyfuels.5b00693
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4236 **S** DOI: 10.1021/acs.energyfuels.5b00767
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4245 DOI: 10.1021/acs.energyfuels.5b00768
Effects of Salt on the Crystal Growth and Adhesion Force of Clathrate Hydrates
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4255 DOI: 10.1021/acs.energyfuels.5b00674
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4281 DOI: 10.1021/acs.energyfuels.5b00825
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4289 DOI: 10.1021/acs.energyfuels.5b01193
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4298 DOI: 10.1021/acs.energyfuels.5b00335
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4305 DOI: 10.1021/acs.energyfuels.5b00250
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4311 DOI: 10.1021/acs.energyfuels.5b00160
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4321 DOI: 10.1021/acs.energyfuels.5b00790
Co-combustion of Agricultural Straw with Municipal Sewage Sludge in a Fluidized Bed: Role of Phosphorus in Potassium Behavior
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4328 DOI: 10.1021/acs.energyfuels.5b00348
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4339 DOI: 10.1021/acs.energyfuels.5b00434
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4345 **S** DOI: 10.1021/acs.energyfuels.5b00450
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4356 **S** DOI: 10.1021/acs.energyfuels.5b00573
Iron-Oxide-Promoted Anaerobic Process of the Aquatic Plant of Curly Leaf Pondweed
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4361 DOI: 10.1021/acs.energyfuels.5b00583
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4373 DOI: 10.1021/acs.energyfuels.5b00607
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4393 DOI: 10.1021/acs.energyfuels.5b00742
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4399 DOI: 10.1021/acs.energyfuels.5b00889
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4407 DOI: 10.1021/acs.energyfuels.5b01020
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4418 DOI: 10.1021/acs.energyfuels.5b00899
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4428 DOI: 10.1021/acs.energyfuels.5b00853
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4436 DOI: 10.1021/acs.energyfuels.5b00413
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4447 DOI: 10.1021/acs.energyfuels.5b00397
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4453 DOI: 10.1021/acs.energyfuels.5b00620
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4463 DOI: 10.1021/acs.energyfuels.5b00664
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4472 DOI: 10.1021/acs.energyfuels.5b00578
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4479 DOI: 10.1021/acs.energyfuels.5b00778
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4488 DOI: 10.1021/acs.energyfuels.5b00995
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4492 DOI: 10.1021/acs.energyfuels.5b01119
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4503 DOI: 10.1021/acs.energyfuels.5b00735
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4510 DOI: 10.1021/acs.energyfuels.5b00558
Observed Differences in Low-Temperature Heat Release and Their Possible Effect on Efficiency between Petroleum Diesel and Soybean Biodiesel Operating in Low-Temperature Combustion Mode
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4522 DOI: 10.1021/ef502754h
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4534 DOI: 10.1021/acs.energyfuels.5b01109
Fate of Nitrogen during Fluidized Incineration of Sewage Sludge. Estimation of NO and N₂O Content in the Exhaust Gas
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4549 DOI: 10.1021/acs.energyfuels.5b00355
Experimental Investigation on Laminar Burning Velocities and Markstein Lengths of Premixed Methane-*n*-Heptane-Air Mixtures
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4557 DOI: 10.1021/acs.energyfuels.5b00462
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4567 DOI: 10.1021/acs.energyfuels.5b00501
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4576 DOI: 10.1021/acs.energyfuels.5b00511
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4586 DOI: 10.1021/acs.energyfuels.5b00539
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4597 DOI: 10.1021/acs.energyfuels.5b00917
Conventional and Bio-Derived Jet Fuel Surrogate Modeling in Low Temperature and Lean Combustion
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4608 DOI: 10.1021/acs.energyfuels.5b00733
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4616 DOI: 10.1021/acs.energyfuels.5b00798
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4624 DOI: 10.1021/acs.energyfuels.5b00811
Investigation of Alternative Strategies for Integrating Post-combustion CO₂ Capture to a Natural Gas Combined Cycle Power Plant
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4634 DOI: 10.1021/acs.energyfuels.5b00834
Removal of Refractive Sulfur and Aromatic Compounds from Straight-Run, Fluidized Catalytic Cracking, and Coker Gas Oil Using *N*-Methyl-2-pyrrolidone in Batch and Packed-Bed Extractors
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4644 DOI: 10.1021/acs.energyfuels.5b00966
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4654 DOI: 10.1021/acs.energyfuels.5b00975
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Additions and Corrections

4665 DOI: 10.1021/acs.energyfuels.5b01275
Correction to Effect of Salinity, Resin, and Asphaltene on the Surface Properties of Acidic Crude Oil/Smart Water/Rock System
 Mostafa Lashkarbolooki, Shahab Ayatollahi,* and Masoud Riazi

4666 DOI: 10.1021/acs.energyfuels.5b01372
Correction to Carbon Dioxide Separation from Nitrogen/Hydrogen Mixtures over Activated Carbon Beads: Adsorption Isotherms and Breakthrough Studies
 Simon J. Caldwell, Bushra Al-Duri, Nannan Sun, Cheng-gong Sun, Hao Liu, Colin E. Snape, Kaixi Li, and Joseph Wood*