

Thermochemical biofuel production in hydrothermal and supercritical water technologies

Energy and Environmental Science

1, 32

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Citation Report

#	ARTICLE	IF	CITATIONS
1	SunCHem: an integrated process for the hydrothermal production of methane from microalgae and CO ₂ mitigation. <i>Journal of Applied Phycology</i> , 2009, 21, 529-541.	1.5	126
2	Role of sodium hydroxide in the production of hydrogen gas from the hydrothermal gasification of biomass. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5645-5656.	3.8	151
3	A perspective on catalysis in sub- and supercritical water. <i>Journal of Supercritical Fluids</i> , 2009, 47, 407-414.	1.6	285
4	Hydrothermal biomass gasification. <i>Journal of Supercritical Fluids</i> , 2009, 47, 391-399.	1.6	290
5	Decentralized chemical processes with supercritical fluid technology for sustainable society. <i>Journal of Supercritical Fluids</i> , 2009, 47, 628-636.	1.6	64
6	Normal-phase dynamic imaging of supercritical-water salt precipitation using neutron radiography. <i>Journal of Supercritical Fluids</i> , 2009, 49, 71-78.	1.6	35
7	Corrosion control methods in supercritical water oxidation and gasification processes. <i>Journal of Supercritical Fluids</i> , 2009, 51, 83-103.	1.6	181
8	Cellulosic Biofuels. <i>Annual Review of Plant Biology</i> , 2009, 60, 165-182.	8.6	669
9	Reactor Development for Supercritical Water Gasification of 4.9 wt% Glucose Solution at 673 K by Using Computational Fluid Dynamics. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 8381-8386.	1.8	27
10	Hydrothermal Pretreatment of Rubber Wood for the Saccharification Process. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 4587-4591.	1.8	42
11	Hydrolysis of polycarbonate in sub-critical water in fused silica capillary reactor with in situ Raman spectroscopy. <i>Green Chemistry</i> , 2009, 11, 1105.	4.6	44
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13	The critical role of heterogeneous catalysis in lignocellulosic biomass conversion. <i>Energy and Environmental Science</i> , 2009, 2, 68-80.	15.6	406
14	X-ray Absorption Fine Structure Study of the Effect of Protonation on Disorder and Multiple Scattering in Phosphate Solutions and Solids. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6895-6903.	1.1	30
15	Formation of Tarry Material from 5-HMF in Subcritical and Supercritical Water. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9837-9846.	1.8	163
16	Effects of Supercritical Water in Vacuum Residue Upgrading. <i>Energy & Fuels</i> , 2009, 23, 3178-3183.	2.5	144
17	A Brief Overview of the Effect of High Pressures on the Vibrational Spectra of Biomaterials. <i>Applied Spectroscopy Reviews</i> , 2009, 44, 552-567.	3.4	9
18	Hydrogen production from renewable sources: biomass and photocatalytic opportunities. <i>Energy and Environmental Science</i> , 2009, 2, 35-54.	15.6	378

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20	Biomass Fractionation and Valorization. Green Energy and Technology, 2010, , 115-133.	0.4	1
21	Thermochemical Processes. Green Energy and Technology, 2010, , 135-192.	0.4	0
22	Reaction rates for supercritical water gasification of xylose in a micro-tubular reactor. Chemical Engineering Journal, 2010, 163, 10-21.	6.6	64
23	System Study on Hydrothermal Gasification Combined With a Hybrid Solid Oxide Fuel Cell Gas Turbine. Fuel Cells, 2010, 10, 643-653.	1.5	22
24	Engineering Carbon Materials from the Hydrothermal Carbonization Process of Biomass. Advanced Materials, 2010, 22, 813-828.	11.1	1,492
26	Towards Understanding the Catalytic Reforming of Biomass in Supercritical Water. Angewandte Chemie - International Edition, 2010, 49, 6434-6437.	7.2	29
27	Hydrothermal carbonization of biomass: A summary and discussion of chemical mechanisms for process engineering. Biofuels, Bioproducts and Biorefining, 2010, 4, 160-177.	1.9	1,390
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