

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.	2.8	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.	7.1	151
3	A perspective on catalysis in sub- and supercritical water. <i>Journal of Supercritical Fluids</i> , 2009, 47, 407-414.	3.2	285
4	Hydrothermal biomass gasification. <i>Journal of Supercritical Fluids</i> , 2009, 47, 391-399.	3.2	290
5	Decentralized chemical processes with supercritical fluid technology for sustainable society. <i>Journal of Supercritical Fluids</i> , 2009, 47, 628-636.	3.2	64
6	Normal-phase dynamic imaging of supercritical-water salt precipitation using neutron radiography. <i>Journal of Supercritical Fluids</i> , 2009, 49, 71-78.	3.2	35
7	Corrosion control methods in supercritical water oxidation and gasification processes. <i>Journal of Supercritical Fluids</i> , 2009, 51, 83-103.	3.2	181
8	Cellulosic Biofuels. <i>Annual Review of Plant Biology</i> , 2009, 60, 165-182.	18.7	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.	3.7	27
10	Hydrothermal Pretreatment of Rubber Wood for the Saccharification Process. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 4587-4591.	3.7	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.	9.0	44
12	Catalytic gasification of algae in supercritical water for biofuel production and carbon capture. <i>Energy and Environmental Science</i> , 2009, 2, 535.	30.8	202
13	The critical role of heterogeneous catalysis in lignocellulosic biomass conversion. <i>Energy and Environmental Science</i> , 2009, 2, 68-80.	30.8	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.	2.5	30
15	Formation of Tarry Material from 5-HMF in Subcritical and Supercritical Water. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9837-9846.	3.7	163
16	Effects of Supercritical Water in Vacuum Residue Upgrading. <i>Energy & Fuels</i> , 2009, 23, 3178-3183.	5.1	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.	6.7	9
18	Hydrogen production from renewable sources: biomass and photocatalytic opportunities. <i>Energy and Environmental Science</i> , 2009, 2, 35-54.	30.8	378

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20	Biomass Fractionation and Valorization. Green Energy and Technology, 2010, , 115-133.	0.6	1
21	Thermochemical Processes. Green Energy and Technology, 2010, , 135-192.	0.6	0
22	Reaction rates for supercritical water gasification of xylose in a micro-tubular reactor. Chemical Engineering Journal, 2010, 163, 10-21.	12.7	64
23	System Study on Hydrothermal Gasification Combined With a Hybrid Solid Oxide Fuel Cell Gas Turbine. Fuel Cells, 2010, 10, 643-653.	2.4	22
24	Engineering Carbon Materials from the Hydrothermal Carbonization Process of Biomass. Advanced Materials, 2010, 22, 813-828.	21.0	1,492
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33	Continuous salt precipitation and separation from supercritical water. Part 1: Type 1 salts. Journal of Supercritical Fluids, 2010, 52, 99-112.	3.2	122
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135	Producing high sugar concentrations from loblolly pine using wet explosion pretreatment. <i>Bioresource Technology</i> , 2012, 121, 61-67.	9.6	57
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147	Supercritical Water Gasification of Municipal Sludge: A Novel Approach to Waste Treatment and Energy Recovery. , 0, , .		9
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167	Continuous salt precipitation and separation from supercritical water. Part 3: Interesting effects in processing type 2 salt mixtures. <i>Journal of Supercritical Fluids</i> , 2012, 61, 44-54.	3.2	56
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