

Jianbing Ji

List of Publications by Year in descending order

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47
papers

951
citations

567281

15
h-index

454955

30
g-index

47
all docs

47
docs citations

47
times ranked

1104
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of biodiesel with the help of ultrasonic and hydrodynamic cavitation. <i>Ultrasonics</i> , 2006, 44, e411-e414.	3.9	315
2	Sulfonated <i>Sargassum horneri</i> carbon as solid acid catalyst to produce biodiesel via esterification. <i>Bioresource Technology</i> , 2021, 324, 124614.	9.6	59
3	Experimental Measurement and Modeling of Vapor-Liquid Equilibrium for Ternary Systems Containing Ionic Liquids: A Case Study for the System Water + Ethanol + 1-Hexyl-3-methylimidazolium Chloride. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 2322-2329.	1.9	52
4	Role of Brønsted acid in selective production of furfural in biomass pyrolysis. <i>Bioresource Technology</i> , 2014, 169, 800-803.	9.6	45
5	Mass transfer and reaction kinetics of soybean oil epoxidation in a formic acid-catalyzed reaction system. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1576-1582.	1.7	40
6	Continuous production of lignin nanoparticles using a microchannel reactor and its application in UV-shielding films. <i>RSC Advances</i> , 2019, 9, 24915-24921.	3.6	39
7	Experimental Study on Thermal Pyrolysis of Biomass in Molten Salt Media. <i>Electrochemistry</i> , 2009, 77, 730-735.	1.4	32
8	An efficient and recyclable Pickering magnetic interface biocatalyst: application in biodiesel production. <i>Green Chemistry</i> , 2021, 23, 966-972.	9.0	29
9	Preparation and characterization of an amphiphilic polyamide nanofiltration membrane with improved antifouling properties by two-step surface modification method. <i>RSC Advances</i> , 2018, 8, 13353-13363.	3.6	28
10	Rice Husk Ash-Derived Silica Nanofluids: Synthesis and Stability Study. <i>Nanoscale Research Letters</i> , 2016, 11, 502.	5.7	27
11	Alternating Copolymer of Sulfonated Poly(ether ether ketone-benzimidazole)s (SPEEK- <i>b</i> -BI) Bearing Acid and Base Moieties. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1495-1502.	2.2	25
12	Hydrocracking of bio-alkanes over Pt/Al-MCM-41 mesoporous molecular sieves for bio-jet fuel production. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	2.0	20
13	Novel Reactor for Exothermic Heterogeneous Reaction Systems: Intensification of Mass and Heat Transfer and Application to Vegetable Oil Epoxidation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5231-5238.	3.7	20
14	Macroscopic kinetics modelling of liquid-liquid reaction system: Epoxidation of fatty acid methyl esters. <i>Industrial Crops and Products</i> , 2018, 122, 266-276.	5.2	19
15	Liquid Entrainment and Flooding in a Rotating Zigzag Bed. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 2554-2563.	3.7	18
16	Biolubricant Production of 2-ethylhexyl Palmitate by Transesterification Over Unsupported Potassium Carbonate. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 79-88.	1.9	16
17	Efficient Production of High-Quality Few-Layer Graphene Using a Simple Hydrodynamic-Assisted Exfoliation Method. <i>Nanoscale Research Letters</i> , 2018, 13, 416.	5.7	14
18	Biosorption of hexavalent chromium from aqueous solution by polyethyleneimine-modified ultrasonic-assisted acid hydrochar from <i>Sargassum horneri</i> . <i>Water Science and Technology</i> , 2020, 81, 1114-1129.	2.5	13

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19	Rotating zigzag bed as trayed HIGEE and its power consumption. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 494-506.	1.5	12
20	Gas-driven exfoliation for producing high-quality graphene. <i>Chemical Communications</i> , 2019, 55, 7749-7751.	4.1	12
21	Solvent-free oxidative cleavage of epoxy fatty acid methyl esters by a "release and capture" catalytic system. <i>Green Chemistry</i> , 2019, 21, 560-566.	9.0	11
22	One-pot selective conversion of cellulose into low carbon polyols on nano-Sn based catalysts. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	9
23	Room-temperature production of bio-based aldehydes from vegetable oil-derived epoxide via H ₂ WO ₄ @Al-MCM-41 as recyclable catalyst. <i>RSC Advances</i> , 2019, 9, 23061-23070.	3.6	9
24	Nickel-Tungsten Supported on Thin Carbon Coated SiO ₂ Nanosphere for Cellulose Conversion to Lower Polyols. <i>Catalysis Letters</i> , 2018, 148, 3757-3770.	2.6	8
25	Rheology behavior of high-density polyethylene/diluent blends and fabrication of hollow fiber membranes via thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2186-2194.	2.6	7
26	Oxidative Cleavage of Methyl 9,10-Epoxystearate over WO ₃ /MCM-41 for Methyl 9-Oxononanoate Production. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700415.	1.5	7
27	Improving the Stability and Efficiency of Dimeric Fatty Acids Production by Increasing the Brønsted Acidity and Basal Spacing of Montmorillonite. <i>European Journal of Lipid Science and Technology</i> , 2020, 122, 1900342.	1.5	7
28	Magnetic Nanoparticles with In Situ Surface Growing Polymeric Brushes as Reactive Pickering Interfacial Catalysts for Biphasic Reactions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23736-23743.	3.1	7
29	Solubilities of Sulfuryl Fluoride in 2-Butoxyethyl Acetate, 3-Methoxybutyl Acetate, 2-Methoxyethyl Acetate, 1-Methoxy-2-propyl Acetate, and 2-(2-Ethoxyethoxy)ethyl Acetate. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2271-2279.	1.9	6
30	Vapour-liquid equilibrium measurements and modelling for the ternary system (water+2-propanol+1-butyl-3-methylimidazolium acetate). <i>Physics and Chemistry of Liquids</i> , 2012, 50, 504-512.	1.2	5
31	Gas-driven shearing nanonization of lignin particles for efficient reduction of graphene oxide. <i>Industrial Crops and Products</i> , 2022, 180, 114665.	5.2	5
32	Harmless Treatment of Sulfuryl Fluoride by Chemical Absorption. <i>Environmental Engineering Science</i> , 2015, 32, 789-795.	1.6	4
33	Plant lignocellulose-based feedstocks hydrogenolysis into polyols over a new efficient nickel-tungsten catalyst. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2153.	1.5	4
34	Sulfuryl Fluoride Absorption from Fumigation Exhaust Gas by Biobased Solvents: Thermodynamic and Quantum Chemical Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5018-5029.	3.7	4
35	Stabilizing Triglyceride in Methanol Emulsions via a Magnetic Pickering Interfacial Catalyst for Efficient Transesterification under Static Conditions. <i>ACS Omega</i> , 2021, 6, 14138-14147.	3.5	4
36	Chemical effects induced by gas-liquid jet flow. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 566-569.	3.7	4

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37	Thermogravimetric analysis and kinetic modelling of rice-straw pyrolysis in molten salt of alkali carbonates. , 2011, , .		3
38	Removal of Aromatic Compounds from Wastewater by Biodiesel. , 2012, , .		3
39	Biochemical coupling strategy promotes saccharification of bamboo leaves biomass via xylanase and heteropolyacids. Biomass Conversion and Biorefinery, 2020, 10, 1007-1020.	4.6	3
40	Single step carbonating and activating fir sawdust to activated carbon by recyclable molten carbonates and steam. Science of the Total Environment, 2022, 818, 151778.	8.0	3
41	Liquidâ€“Liquid Equilibrium for Systems Containing Epoxidized Oils, Formic Acid, and Water: Experimental and Modeling. JAOCS, Journal of the American Oil Chemists' Society, 2019, 96, 955-965.	1.9	2
42	Solubility Determination and Correlation of (2R,3S,4S,5S)-6-(Hydroxymethyl)-tetrahydro-2H-pyran-2,3,4,5-tetraol in Fatty Alcohol. Journal of Chemical & Engineering Data, 2014, 59, 2040-2044.	1.9	1
43	A preliminary study on hydrogen-rich gas production by pyrolysis of glycerol in molten alkali. , 2011, , .		0
44	Study on separation the molten mixture of NaOH-Na ² CO ³ by molten crystallization. , 2011, , .		0
45	Influence of molten salts on pyrolysis characteristics of rice straw. , 2012, , .		0
46	The production of diesel-like fuel from catalytic pyrolysis of soybean oil. , 2012, , .		0
47	Solubility and Thermodynamic Properties of Sulfuryl Fluoride in Some Biobased Citrate Derivatives. Journal of Chemical & Engineering Data, 2022, 67, 167-175.	1.9	0