

Zhen Fang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156
papers

6,449
citations

45
h-index

76
g-index

174
ext. papers

7,337
ext. citations

6.6
avg, IF

6.27
L-index

#	Paper	IF	Citations
156	Efficient saccharification of wheat straw pretreated by solid particle-assisted ball milling with waste washing liquor recycling.. <i>Bioresource Technology</i> , 2022 , 347, 126721	11	1
155	Efficient production of biodiesel with electric furnace dust impregnated in Na ₂ CO ₃ solution. <i>Journal of Cleaner Production</i> , 2022 , 330, 129772	10.3	2
154	Highly stable NaFeO ₂ -Fe ₃ O ₄ composite catalyst from blast furnace dust for efficient production of biodiesel at low temperature. <i>Industrial Crops and Products</i> , 2022 , 182, 114937	5.9	0
153	Efficient production of biodiesel at low temperature using highly active bifunctional Na-Fe-Ca nanocatalyst from blast furnace waste. <i>Fuel</i> , 2022 , 322, 124168	7.1	1
152	High yield production of levoglucosan via catalytic pyrolysis of cellulose at low temperature. <i>Fuel</i> , 2022 , 323, 124369	7.1	0
151	Sustainable Technologies for Recycling Organic Solid Wastes. <i>Biofuels and Biorefineries</i> , 2022 , 3-29	0.3	
150	Production of liquid fuel intermediates from furfural via aldol condensation over La ₂ O ₂ CO ₃ -ZnO-Al ₂ O ₃ catalyst. <i>Catalysis Communications</i> , 2021 , 149, 106207	3.2	5
149	Production of aromatic amines via catalytic co-pyrolysis of lignin and phenol-formaldehyde resins with ammonia over commercial HZSM-5 zeolites. <i>Bioresource Technology</i> , 2021 , 320, 124252	11	9
148	Metal-organic framework-based functional catalytic materials for biodiesel production: a review. <i>Green Chemistry</i> , 2021 , 23, 2595-2618	10	15
147	Hydrothermal amination of biomass to nitrogenous chemicals. <i>Green Chemistry</i> , 2021 , 23, 6675-6697	10	8
146	Soybean biodiesel production using synergistic CaO/Ag nano catalyst: Process optimization, kinetic study, and economic evaluation. <i>Industrial Crops and Products</i> , 2021 , 166, 113479	5.9	22
145	Catalytic hydrothermal co-gasification of canola meal and low-density polyethylene using mixed metal oxides for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	6
144	Direct production of biodiesel via simultaneous esterification and transesterification of renewable oils using calcined blast furnace dust. <i>Renewable Energy</i> , 2021 , 175, 1001-1011	8.1	5
143	Synthesis of jet fuel intermediates via aldol condensation of biomass-derived furfural with lanthanide catalyst. <i>Molecular Catalysis</i> , 2021 , 515, 111893	3.3	0
142	Microbial lipid production from rice straw hydrolysates and recycled pretreated glycerol. <i>Bioresource Technology</i> , 2020 , 312, 123580	11	12
141	Synthesis of graphene-like carbon from biomass pyrolysis and its applications. <i>Chemical Engineering Journal</i> , 2020 , 399, 125808	14.7	52
140	Direct production of biodiesel from waste oils with a strong solid base from alkalized industrial clay ash. <i>Applied Energy</i> , 2020 , 264, 114735	10.7	20

139	Subcritical water gasification of lignocellulosic wastes for hydrogen production with Co modified Ni/Al ₂ O ₃ catalysts. <i>Journal of Supercritical Fluids</i> , 2020 , 162, 104863	4.2	19
138	Introduction to Pyrolysis as a Thermo-Chemical Conversion Technology. <i>Biofuels and Biorefineries</i> , 2020 , 3-30	0.3	3
137	Cycloamination strategies for renewable N-heterocycles. <i>Green Chemistry</i> , 2020 , 22, 582-611	10	51
136	Efficient Cu catalyst for 5-hydroxymethylfurfural hydrogenolysis by forming Cu δ Si bonds. <i>Catalysis Science and Technology</i> , 2020 , 10, 7323-7330	5.5	6
135	Recent Advances of Producing Biobased N-Containing Compounds via Thermo-Chemical Conversion with Ammonia Process. <i>Energy & Fuels</i> , 2020 , 34, 10441-10458	4.1	12
134	Selective Production of Terephthalonitrile and Benzonitrile via Pyrolysis of Polyethylene Terephthalate (PET) with Ammonia over Ca(OH) ₂ /Al ₂ O ₃ Catalysts. <i>Catalysts</i> , 2019 , 9, 436	4	5
133	Catalytic fast pyrolysis of polyethylene terephthalate plastic for the selective production of terephthalonitrile under ammonia atmosphere. <i>Waste Management</i> , 2019 , 92, 97-106	8.6	13
132	Complete recovery of cellulose from rice straw pretreated with ethylene glycol and aluminum chloride for enzymatic hydrolysis. <i>Bioresource Technology</i> , 2019 , 284, 98-104	11	21
131	Production of Materials from Sustainable Biomass Resources. <i>Biofuels and Biorefineries</i> , 2019 ,	0.3	2
130	Levoglucosan and its hydrolysates via fast pyrolysis of lignocellulose for microbial biofuels: A state-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 105, 215-229	16.2	45
129	N-formyl-stabilizing quasi-catalytic species afford rapid and selective solvent-free amination of biomass-derived feedstocks. <i>Nature Communications</i> , 2019 , 10, 699	17.4	37
128	Esterification of oleic acid to biodiesel catalyzed by a highly acidic carbonaceous catalyst. <i>Catalysis Today</i> , 2019 , 319, 172-181	5.3	56
127	Co-production of phenolic oil and CaO/char deoxidation catalyst via catalytic fast pyrolysis of phenol-formaldehyde resin with Ca(OH) ₂ . <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 142, 104663	6	3
126	High-concentrated substrate enzymatic hydrolysis of pretreated rice straw with glycerol and aluminum chloride at low cellulase loadings. <i>Bioresource Technology</i> , 2019 , 294, 122164	11	20
125	Hydrothermal catalytic processing of waste cooking oil for hydrogen-rich syngas production. <i>Chemical Engineering Science</i> , 2019 , 195, 935-945	4.4	83
124	Efficient catalytic transfer hydrogenation of biomass-based furfural to furfuryl alcohol with recyclable Hf-phenylphosphonate nanohybrids. <i>Catalysis Today</i> , 2019 , 319, 84-92	5.3	44
123	Biomass-derived mesoporous Hf-containing hybrid for efficient Meerwein-Ponndorf-Verley reduction at low temperatures. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 79-89	21.8	80
122	Cellulase immobilized on mesoporous biochar synthesized by ionothermal carbonization of cellulose. <i>Cellulose</i> , 2018 , 25, 2473-2485	5.5	9

121	One-step production of biodiesel from Jatropha oils with high acid value at low temperature by magnetic acid-base amphoteric nanoparticles. <i>Chemical Engineering Journal</i> , 2018 , 348, 929-939	14.7	43
120	CHAPTER 19:Hydrothermal Events Occurring During Gasification in Supercritical Water. <i>RSC Green Chemistry</i> , 2018 , 560-587	0.9	3
119	Catalytic conversion of 5-hydroxymethylfurfural to some value-added derivatives. <i>Green Chemistry</i> , 2018 , 20, 3657-3682	10	155
118	Direct conversion of biomass components to the biofuel methyl levulinate catalyzed by acid-base bifunctional zirconia-zeolites. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 182-191	21.8	103
117	One-Pot Microwave-Assisted Hydrolysis of Cellulose and Hemicellulose in Selected Tropical Plant Wastes by NaOH-Freeze Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5166-5174	8.3	5
116	Hydrophobic Pd nanocatalysts for one-pot and high-yield production of liquid furanic biofuels at low temperatures. <i>Applied Catalysis B: Environmental</i> , 2017 , 215, 18-27	21.8	49
115	Production of Platform Chemicals from Sustainable Resources. <i>Biofuels and Biorefineries</i> , 2017 ,	0.3	19
114	A Pd-Catalyzed in situ domino process for mild and quantitative production of 2,5-dimethylfuran directly from carbohydrates. <i>Green Chemistry</i> , 2017 , 19, 2101-2106	10	49
113	Catalytic production of Jatropha biodiesel and hydrogen with magnetic carbonaceous acid and base synthesized from Jatropha hulls. <i>Energy Conversion and Management</i> , 2017 , 142, 107-116	10.6	44
112	Orderly Layered Zr-Benzylphosphonate Nanohybrids for Efficient Acid-Base-Mediated Bifunctional/Cascade Catalysis. <i>ChemSusChem</i> , 2017 , 10, 681-686	8.3	60
111	Inclusion of Zn into Metallic Ni Enables Selective and Effective Synthesis of 2,5-Dimethylfuran from Bioderived 5-Hydroxymethylfurfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 11280-11289	8.3	48
110	Production of Liquefied Oil Palm Empty Fruit Bunch Based Polyols via Microwave Heating. <i>Energy & Fuels</i> , 2017 , 31, 10975-10982	4.1	9
109	Biodiesel production from high acid value oils with a highly active and stable bifunctional magnetic acid. <i>Applied Energy</i> , 2017 , 204, 702-714	10.7	47
108	Fundamentals of Bifunctional Catalysis for Transforming Biomass-Related Compounds into Chemicals and Biofuels. <i>Biofuels and Biorefineries</i> , 2017 , 3-30	0.3	3
107	Introduction to Characterization Methods for Heterogeneous Catalysts and Their Application to Cellulose Conversion Mechanisms. <i>Biofuels and Biorefineries</i> , 2017 , 31-96	0.3	
106	Production of Biofuels and Chemicals with Bifunctional Catalysts. <i>Biofuels and Biorefineries</i> , 2017 ,	0.3	5
105	Coproduction of Furfural and Easily Hydrolyzable Residue from Sugar Cane Bagasse in the MTHF/Aqueous Biphasic System: Influence of Acid Species, NaCl Addition, and MTHF. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5804-5813	8.3	22
104	Direct Conversion of Sugars and Ethyl Levulinate into γ -Valerolactone with Superparamagnetic Acid-Base Bifunctional ZrFeOx Nanocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 236-246	8.3	84

103	Production of biodiesel and hydrogen from plant oil catalyzed by magnetic carbon-supported nickel and sodium silicate. <i>Green Chemistry</i> , 2016 , 18, 3302-3314	10	41
102	Biodiesel production catalyzed by highly acidic carbonaceous catalysts synthesized via carbonizing lignin in sub- and super-critical ethanol. <i>Applied Catalysis B: Environmental</i> , 2016 , 190, 103-114	21.8	64
101	Biohydrogen Production from Hydrolysates of Selected Tropical Biomass Wastes with <i>Clostridium Butyricum</i> . <i>Scientific Reports</i> , 2016 , 6, 27205	4.9	26
100	Pretreatment of Eastern White Pine (<i>Pinus strobes</i> L.) for Enzymatic Hydrolysis and Ethanol Production by Organic Electrolyte Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2822-2829	8.3	12
99	Efficient valorization of biomass to biofuels with bifunctional solid catalytic materials. <i>Progress in Energy and Combustion Science</i> , 2016 , 55, 98-194	33.6	181
98	Production of Biofuels and Chemicals from Lignin. <i>Biofuels and Biorefineries</i> , 2016 ,	0.3	29
97	Properties, Chemical Characteristics and Application of Lignin and Its Derivatives. <i>Biofuels and Biorefineries</i> , 2016 , 3-33	0.3	9
96	Direct Catalytic Transformation of Biomass Derivatives into Biofuel Component γ -Valerolactone with Magnetic Nickel-Zirconium Nanoparticles. <i>ChemPlusChem</i> , 2016 , 81, 135-142	2.8	45
95	Biodiesel production directly from oils with high acid value by magnetic $\text{Na}_2\text{SiO}_3@Fe_3O_4/C$ catalyst and ultrasound. <i>Fuel</i> , 2015 , 150, 370-377	7.1	65
94	One-step production of biodiesel from oils with high acid value by activated Mg-Al hydrotalcite nanoparticles. <i>Bioresource Technology</i> , 2015 , 193, 84-9	11	45
93	Biodiesel production direct from high acid value oil with a novel magnetic carbonaceous acid. <i>Applied Energy</i> , 2015 , 155, 637-647	10.7	50
92	Ball milling pretreatment and diluted acid hydrolysis of oil palm empty fruit bunch (EFB) fibres for the production of levulinic acid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 52, 85-92	5.3	19
91	Production of Hydrogen from Renewable Resources. <i>Biofuels and Biorefineries</i> , 2015 ,	0.3	6
90	Production of Biofuels and Chemicals with Microwave. <i>Biofuels and Biorefineries</i> , 2015 ,	0.3	13
89	Production of Biofuels and Chemicals with Ultrasound. <i>Biofuels and Biorefineries</i> , 2015 ,	0.3	5
88	Hydrolysis of Selected Tropical Plant Wastes Catalyzed by a Magnetic Carbonaceous Acid with Microwave. <i>Scientific Reports</i> , 2015 , 5, 17538	4.9	47
87	Fundamentals of Acoustic Cavitation in Sonochemistry. <i>Biofuels and Biorefineries</i> , 2015 , 3-33	0.3	9
86	Production of Biofuels and Chemicals with Ionic Liquids. <i>Biofuels and Biorefineries</i> , 2014 ,	0.3	26

85	Ultrasound-enhanced conversion of biomass to biofuels. <i>Progress in Energy and Combustion Science</i> , 2014 , 41, 56-93	33.6	257
84	High yield production of sugars from deproteinated palm kernel cake under microwave irradiation via dilute sulfuric acid hydrolysis. <i>Bioresource Technology</i> , 2014 , 153, 69-78	11	33
83	Near-critical and Supercritical Water and Their Applications for Biorefineries. <i>Biofuels and Biorefineries</i> , 2014 ,	0.3	16
82	Biodiesel production from soybean and Jatropha oils by magnetic CaFe ₂ O ₄ /α-Fe ₂ O ₅ -based catalyst. <i>Energy</i> , 2014 , 68, 584-591	7.9	102
81	A Kinetic Study on Acid Hydrolysis of Oil Palm Empty Fruit Bunch Fibers Using a Microwave Reactor System. <i>Energy & Fuels</i> , 2014 , 28, 2589-2597	4.1	14
80	Oil Production by the Oleaginous Yeast <i>Lipomyces starkeyi</i> using Diverse Carbon Sources. <i>BioResources</i> , 2014 , 9,	1.3	19
79	2,3-Butanediol and Acetoin Production from Enzymatic Hydrolysate of Ionic Liquid-pretreated Cellulose by <i>Paenibacillus polymyxa</i> . <i>BioResources</i> , 2014 , 10,	1.3	10
78	Shape-controlled Synthesis of Activated Bio-chars by Surfactant-templated Ionothermal Carbonization in Acidic Ionic Liquid and Activation with Carbon Dioxide. <i>BioResources</i> , 2014 , 9,	1.3	5
77	Characteristics of Products from Hydrothermal Carbonization of Bamboo. <i>Applied Mechanics and Materials</i> , 2014 , 654, 7-10	0.3	1
76	Optimization of Mannose Yield from Deproteinated Palm Kernel Cake via Dilute Fumaric Acid Hydrolysis. <i>Advanced Materials Research</i> , 2014 , 911, 302-306	0.5	
75	Co-production of biodiesel and hydrogen from rapeseed and Jatropha oils with sodium silicate and Ni catalysts. <i>Applied Energy</i> , 2014 , 113, 1819-1825	10.7	55
74	Production of Versatile Platform Chemical 5-Hydroxymethylfurfural from Biomass in Ionic Liquids. <i>Biofuels and Biorefineries</i> , 2014 , 223-254	0.3	4
73	Techno-economic Analysis of Renewable Hydrogen Production via SCWG of Biomass Using Glucose as a Model Compound. <i>Biofuels and Biorefineries</i> , 2014 , 445-471	0.3	2
72	Pretreatment Techniques for Biofuels and Biorefineries. <i>Green Energy and Technology</i> , 2013 ,	0.6	25
71	Combination of dilute acid and ionic liquid pretreatments of sugarcane bagasse for glucose by enzymatic hydrolysis. <i>Process Biochemistry</i> , 2013 , 48, 1942-1946	4.8	45
70	Production of 2,3-butanediol from cellulose and Jatropha hulls after ionic liquid pretreatment and dilute-acid hydrolysis. <i>AMB Express</i> , 2013 , 3, 48	4.1	20
69	"One-step production of biodiesel from Jatropha oil with high-acid value in ionic liquids" [Bioresour. Technol. 102 (11) (2011)]. <i>Bioresource Technology</i> , 2013 , 140, 447-50	11	26
68	Status and Perspective of Organic Solvent Based Pretreatment of Lignocellulosic Biomass for Enzymatic Saccharification. <i>Green Energy and Technology</i> , 2013 , 309-337	0.6	

67	Solid- and Nano-Catalysts Pretreatment and Hydrolysis Techniques. <i>Green Energy and Technology</i> , 2013 , 339-366	0.6	4
66	Biofuels - Economy, Environment and Sustainability 2013 ,		7
65	Liquid, Gaseous and Solid Biofuels - Conversion Techniques 2013 ,		5
64	Production of 2,3-butanediol from acid hydrolysates of Jatropha hulls with <i>Klebsiella oxytoca</i> . <i>Bioresource Technology</i> , 2012 , 107, 405-10	11	57
63	Conversion of fructose and glucose into 5-hydroxymethylfurfural with lignin-derived carbonaceous catalyst under microwave irradiation in dimethyl sulfoxide-ionic liquid mixtures. <i>Bioresource Technology</i> , 2012 , 112, 313-8	11	127
62	Review and prospects of Jatropha biodiesel industry in China. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 2178-2190	16.2	82
61	Hydrolysis of cellulose to glucose at the low temperature of 423 K with CaFe ₂ O ₄ -based solid catalyst. <i>Bioresource Technology</i> , 2012 , 124, 440-5	11	25
60	Solid acid mediated hydrolysis of biomass for producing biofuels. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 672-690	33.6	189
59	Hydrothermal conversion of glycerol to chemicals and hydrogen: review and perspective. <i>Biofuels, Bioproducts and Biorefining</i> , 2012 , 6, 686-702	5.3	23
58	Impact and prospective of fungal pre-treatment of lignocellulosic biomass for enzymatic hydrolysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2012 , 6, 335-350	5.3	75
57	Transesterification mechanism of soybean oil to biodiesel catalyzed by calcined sodium silicate. <i>Fuel</i> , 2012 , 93, 468-472	7.1	52
56	Biodiesel - Feedstocks, Production and Applications 2012 ,		6
55	Direct production of biodiesel from high-acid value Jatropha oil with solid acid catalyst derived from lignin. <i>Biotechnology for Biofuels</i> , 2011 , 4, 56	7.8	67
54	Biodiesel Production with Solid Catalysts 2011 ,		12
53	Pretreatment of microcrystalline cellulose in organic electrolyte solutions for enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2011 , 4, 53	7.8	31
52	Production of glucose by hydrolysis of cellulose at 423 K in the presence of activated hydrocalcite nanoparticles. <i>Bioresource Technology</i> , 2011 , 102, 8017-21	11	51
51	Production of biodiesel from Jatropha oil catalyzed by nanosized solid basic catalyst. <i>Energy</i> , 2011 , 36, 777-784	7.9	237
50	One-step production of biodiesel from Jatropha oil with high-acid value in ionic liquids. <i>Bioresource Technology</i> , 2011 , 102, 6469-72	11	83

49	Properties and phase equilibria of fluid mixtures as the basis for developing green chemical processes. <i>Fluid Phase Equilibria</i> , 2011 , 302, 65-73	2.5	19
48	Noncatalytic fast hydrolysis of wood. <i>Bioresource Technology</i> , 2011 , 102, 3587-90	11	8
47	Production of biodiesel and lactic acid from rapeseed oil using sodium silicate as catalyst. <i>Bioresource Technology</i> , 2011 , 102, 6884-6	11	46
46	Reaction of d-glucose in water at high temperatures (410 °C) and pressures (180 MPa) for the production of dyes and nano-particles. <i>Journal of Supercritical Fluids</i> , 2011 , 56, 41-47	4.2	15
45	Supercritical Water Process. <i>Engineering Materials</i> , 2010 , 11-27	0.4	2
44	Selection of high-oil-yield seed sources of <i>Jatropha curcas</i> L. for biodiesel production. <i>Biofuels</i> , 2010 , 1, 705-717	2	17
43	Rapid Production of Micro- and Nano-particles Using Supercritical Water. <i>Engineering Materials</i> , 2010 ,	0.4	10
42	Ultrasonic transesterification of <i>Jatropha curcas</i> L. oil to biodiesel by a two-step process. <i>Energy Conversion and Management</i> , 2010 , 51, 2802-2807	10.6	159
41	Conclusions and Future Prospects. <i>Engineering Materials</i> , 2010 , 87-92	0.4	
40	Other Materials Synthesis. <i>Engineering Materials</i> , 2010 , 63-69	0.4	
39	Nano-Structured Coatings. <i>Engineering Materials</i> , 2010 , 57-62	0.4	1
38	Fine Organics Particles by Precipitation of Solute. <i>Engineering Materials</i> , 2010 , 71-86	0.4	
37	Metal Oxides Synthesis. <i>Engineering Materials</i> , 2010 , 29-55	0.4	
36	Techniques, applications and future prospects of diamond anvil cells for studying supercritical water systems. <i>Journal of Supercritical Fluids</i> , 2009 , 47, 431-446	4.2	49
35	Synthesis of erbium hydroxide microflowers and nanostructures in subcritical water. <i>Nanotechnology</i> , 2008 , 19, 185606	3.4	7
34	Complete dissolution and hydrolysis of wood in hot water. <i>AIChE Journal</i> , 2008 , 54, 2751-2758	3.6	44
33	Reaction chemistry and phase behavior of lignin in high-temperature and supercritical water. <i>Bioresource Technology</i> , 2008 , 99, 3424-30	11	291
32	Use of methanol and oxygen in promoting the destruction of deca-chlorobiphenyl in supercritical water. <i>Fuel</i> , 2008 , 87, 353-358	7.1	7

31	Catalytic hydrothermal gasification of cellulose and glucose. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 981-990	6.7	87
30	Synthesis, characterization and properties of erbium-based nanofibres and nanorods. <i>Nanotechnology</i> , 2007 , 18, 445606	3.4	12
29	Hydrothermal dissolution of willow in hot compressed water as a model for biomass conversion. <i>Fuel</i> , 2007 , 86, 1614-1622	7.1	127
28	Continuous Synthesis of Tin and Indium Oxide Nanoparticles in Sub- and Supercritical Water. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2367-2371	3.8	22
27	Characterization of a new magnesium hydrogen orthophosphate salt, Mg ₃ .5H ₂ (PO ₄) ₃ , synthesized in supercritical water. <i>Solid State Sciences</i> , 2007 , 9, 385-393	3.4	10
26	Synthesis of nanocrystalline SnO ₂ in supercritical water. <i>Journal of Nanoparticle Research</i> , 2007 , 9, 683-687	3.7	11
25	Observation of surface precipitation of arsenate on ferrihydrite. <i>Environmental Science & Technology</i> , 2006 , 40, 3248-53	10.3	210
24	Hydrothermal synthesis, crystal structure, and vibrational and Mössbauer spectra of a new tricationic orthophosphate KCo ₃ Fe(PO ₄) ₃ . <i>Canadian Journal of Chemistry</i> , 2006 , 84, 124-133	0.9	9
23	Destruction of deca-chlorobiphenyl in supercritical water under oxidizing conditions with and without Na ₂ CO ₃ . <i>Journal of Supercritical Fluids</i> , 2005 , 33, 247-258	4.2	34
22	Sequential hydrothermal gasification of biomass to hydrogen. <i>Proceedings of the Combustion Institute</i> , 2005 , 30, 2231-2237	5.9	21
21	Destruction of Decachlorobiphenyl Using Supercritical Water Oxidation. <i>Energy & Fuels</i> , 2004 , 18, 1257-1265	4.1	23
20	Oxidation of naphthalene in supercritical water up to 420°C and 30 MPA. <i>Combustion Science and Technology</i> , 2003 , 175, 291-318	1.5	3
19	Flameless oxidation of chlorinated wastes in supercritical water using sodium carbonate as the oxidation stimulant. <i>Proceedings of the Combustion Institute</i> , 2002 , 29, 2485-2492	5.9	12
18	A study of rubber liquefaction in supercritical water using DAC-stereomicroscopy and FT-IR spectrometry. <i>Fuel</i> , 2002 , 81, 935-945	7.1	9
17	A comparative study of polystyrene decomposition in supercritical water and air environments using diamond anvil cell. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 3565-3577	2.9	13
16	Phase changes of benzo(a)pyrene in supercritical water combustion. <i>Combustion and Flame</i> , 2001 , 124, 255-267	5.3	21
15	Extraction of Taiheiyo coal with supercritical water-HCOOH mixture. <i>Fuel</i> , 2000 , 79, 243-248	7.1	65
14	Phase behavior and combustion of hydrocarbon-contaminated sludge in supercritical water at pressures up to 822 MPa and temperatures up to 535°C. <i>Proceedings of the Combustion Institute</i> , 2000 , 28, 2717-2725	5.9	23

13	Phase behavior and reaction of polyethylene in supercritical water at pressures up to 2.6 GPa and temperatures up to 670°C. <i>Journal of Supercritical Fluids</i> , 2000 , 16, 207-216	4.2	39
12	Cellulose hydrolysis in supercritical water to recover chemicals 2000 , 205-220		1
11	Dissolution and Hydrolysis of Cellulose in Subcritical and Supercritical Water. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 2883-2890	3.9	553
10	Behavior of Metals during Combustion of Industrial Organic Wastes in Supercritical Water. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 4536-4542	3.9	29
9	Phase behavior and reaction of polyethylene terephthalate-water systems at pressures up to 173 MPa and temperatures up to 490°C. <i>Journal of Supercritical Fluids</i> , 1999 , 15, 229-243	4.2	51
8	Cellulose decomposition in hot-compressed water with alkali or nickel catalyst. <i>Journal of Supercritical Fluids</i> , 1998 , 13, 253-259	4.2	297
7	Decomposition of Cellulose and Glucose in Hot-Compressed Water under Catalyst-Free Conditions.. <i>Journal of Chemical Engineering of Japan</i> , 1998 , 31, 131-134	0.8	111
6	Hydrogen Production from Cellulose in Hot Compressed Water Using Reduced Nickel Catalyst: Product Distribution at Different Reaction Temperatures.. <i>Journal of Chemical Engineering of Japan</i> , 1998 , 31, 488-491	0.8	72
5	Black Liquor Pyrolysis and Char Reactivity 1997 , 294-304		
4	Rural Energy Resources: Applications and Consumption in China. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 1994 , 16, 229-239		2
3	A model of the energy-supply and demand system at the village level. <i>Energy</i> , 1993 , 18, 365-369	7.9	13
2	Hydrogen Production from Biomass by Low Temperature Catalytic Gasification 396-404		
1	Synergistic Catalysis of Co-Zr/CN x Bimetallic Nanoparticles Enables Reductive Amination of Biobased Levulinic Acid. <i>Advanced Sustainable Systems</i> , 2100321	5.9	2