Zhen Fang

List of Publications by Citations

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	Dissolution and Hydrolysis of Cellulose in Subcritical and Supercritical Water. *Industrial & Engineering Chemistry Research*, **2000**, 39, 2883-2890	3.9	553
155	Cellulose decomposition in hot-compressed water with alkali or nickel catalyst. *Journal of Supercritical Fluids*, **1998**, 13, 253-259	4.2	297
154	Reaction chemistry and phase behavior of lignin in high-temperature and supercritical water. *Bioresource Technology*, **2008**, 99, 3424-30	11	291
153	Ultrasound-enhanced conversion of biomass to biofuels. *Progress in Energy and Combustion Science*, **2014**, 41, 56-93	33.6	257
152	Production of biodiesel from Jatropha oil catalyzed by nanosized solid basic catalyst. *Energy*, **2011**, 36, 777-784	7.9	237
151	Observation of surface precipitation of arsenate on ferrihydrite. *Environmental Science & Technology*, **2006**, 40, 3248-53	10.3	210
150	Solid acid mediated hydrolysis of biomass for producing biofuels. *Progress in Energy and Combustion Science*, **2012**, 38, 672-690	33.6	189
149	Efficient valorization of biomass to biofuels with bifunctional solid catalytic materials. *Progress in Energy and Combustion Science*, **2016**, 55, 98-194	33.6	181
148	Ultrasonic transesterification of Jatropha curcas L. oil to biodiesel by a two-step process. *Energy Conversion and Management*, **2010**, 51, 2802-2807	10.6	159
147	Catalytic conversion of 5-hydroxymethylfurfural to some value-added derivatives. *Green Chemistry*, **2018**, 20, 3657-3682	10	155
146	Conversion of fructose and glucose into 5-hydroxymethylfurfural with lignin-derived carbonaceous catalyst under microwave irradiation in dimethyl sulfoxide-ionic liquid mixtures. *Bioresource Technology*, **2012**, 112, 313-8	11	127
145	Hydrothermal dissolution of willow in hot compressed water as a model for biomass conversion. *Fuel*, **2007**, 86, 1614-1622	7.1	127
144	Decomposition of Cellulose and Glucose in Hot-Compressed Water under Catalyst-Free Conditions.. *Journal of Chemical Engineering of Japan*, **1998**, 31, 131-134	0.8	111
143	Direct conversion of biomass components to the biofuel methyl levulinate catalyzed by acid-base bifunctional zirconia-zeolites. *Applied Catalysis B: Environmental*, **2017**, 200, 182-191	21.8	103
142	Biodiesel production from soybean and Jatropha oils by magnetic CaFe2O4□Ca2Fe2O5-based catalyst. *Energy*, **2014**, 68, 584-591	7.9	102
141	Catalytic hydrothermal gasification of cellulose and glucose. *International Journal of Hydrogen Energy*, **2008**, 33, 981-990	6.7	87
140	Direct Conversion of Sugars and Ethyl Levulinate into γ-Valerolactone with Superparamagnetic Acid–Base Bifunctional ZrFeOx Nanocatalysts. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 236-246	8.3	84

139	One-step production of biodiesel from Jatropha oil with high-acid value in ionic liquids. *Bioresource Technology*, **2011**, 102, 6469-72	11	83
138	Hydrothermal catalytic processing of waste cooking oil for hydrogen-rich syngas production. *Chemical Engineering Science*, **2019**, 195, 935-945	4.4	83
137	Review and prospects of Jatropha biodiesel industry in China. *Renewable and Sustainable Energy Reviews*, **2012**, 16, 2178-2190	16.2	82
136	Biomass-derived mesoporous Hf-containing hybrid for efficient Meerwein-Ponndorf-Verley reduction at low temperatures. *Applied Catalysis B: Environmental*, **2018**, 227, 79-89	21.8	80
135	Impact and prospective of fungal pre-treatment of lignocellulosic biomass for enzymatic hydrolysis. *Biofuels, Bioproducts and Biorefining*, **2012**, 6, 335-350	5.3	75
134	Hydrogen Production from Cellulose in Hot Compressed Water Using Reduced Nickel Catalyst: Product Distribution at Different Reaction Temperatures.. *Journal of Chemical Engineering of Japan*, **1998**, 31, 488-491	0.8	72
133	Direct production of biodiesel from high-acid value Jatropha oil with solid acid catalyst derived from lignin. *Biotechnology for Biofuels*, **2011**, 4, 56	7.8	67
132	Biodiesel production directly from oils with high acid value by magnetic Na2SiO3@Fe3O4/C catalyst and ultrasound. *Fuel*, **2015**, 150, 370-377	7.1	65
131	Extraction of Taiheiyo coal with supercritical water□HCOOH mixture. *Fuel*, **2000**, 79, 243-248	7.1	65
130	Biodiesel production catalyzed by highly acidic carbonaceous catalysts synthesized via carbonizing lignin in sub- and super-critical ethanol. *Applied Catalysis B: Environmental*, **2016**, 190, 103-114	21.8	64
129	Orderly Layered Zr-Benzylphosphonate Nanohybrids for Efficient Acid-Base-Mediated Bifunctional/Cascade Catalysis. *ChemSusChem*, **2017**, 10, 681-686	8.3	60
128	Production of 2,3-butanediol from acid hydrolysates of Jatropha hulls with Klebsiella oxytoca. *Bioresource Technology*, **2012**, 107, 405-10	11	57
127	Esterification of oleic acid to biodiesel catalyzed by a highly acidic carbonaceous catalyst. *Catalysis Today*, **2019**, 319, 172-181	5.3	56
126	Co-production of biodiesel and hydrogen from rapeseed and Jatropha oils with sodium silicate and Ni catalysts. *Applied Energy*, **2014**, 113, 1819-1825	10.7	55
125	Synthesis of graphene-like carbon from biomass pyrolysis and its applications. *Chemical Engineering Journal*, **2020**, 399, 125808	14.7	52
124	Transesterification mechanism of soybean oil to biodiesel catalyzed by calcined sodium silicate. *Fuel*, **2012**, 93, 468-472	7.1	52
123	Production of glucose by hydrolysis of cellulose at 423 K in the presence of activated hydrotalcite nanoparticles. *Bioresource Technology*, **2011**, 102, 8017-21	11	51
122	Phase behavior and reaction of polyethylene terephthalate□water systems at pressures up to 173 MPa and temperatures up to 490□C. *Journal of Supercritical Fluids*, **1999**, 15, 229-243	4.2	51

121	Cycloamination strategies for renewable N-heterocycles. *Green Chemistry*, **2020**, 22, 582-611	10	51
120	Biodiesel production direct from high acid value oil with a novel magnetic carbonaceous acid. *Applied Energy*, **2015**, 155, 637-647	10.7	50
119	Hydrophobic Pd nanocatalysts for one-pot and high-yield production of liquid furanic biofuels at low temperatures. *Applied Catalysis B: Environmental*, **2017**, 215, 18-27	21.8	49
118	A Pd-Catalyzed in situ domino process for mild and quantitative production of 2,5-dimethylfuran directly from carbohydrates. *Green Chemistry*, **2017**, 19, 2101-2106	10	49
117	Techniques, applications and future prospects of diamond anvil cells for studying supercritical water systems. *Journal of Supercritical Fluids*, **2009**, 47, 431-446	4.2	49
116	Inclusion of Zn into Metallic Ni Enables Selective and Effective Synthesis of 2,5-Dimethylfuran from Bioderived 5-Hydroxymethylfurfural. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 11280-11289	8.3	48
115	Biodiesel production from high acid value oils with a highly active and stable bifunctional magnetic acid. *Applied Energy*, **2017**, 204, 702-714	10.7	47
114	Hydrolysis of Selected Tropical Plant Wastes Catalyzed by a Magnetic Carbonaceous Acid with Microwave. *Scientific Reports*, **2015**, 5, 17538	4.9	47
113	Production of biodiesel and lactic acid from rapeseed oil using sodium silicate as catalyst. *Bioresource Technology*, **2011**, 102, 6884-6	11	46
112	Levoglucosan and its hydrolysates via fast pyrolysis of lignocellulose for microbial biofuels: A state-of-the-art review. *Renewable and Sustainable Energy Reviews*, **2019**, 105, 215-229	16.2	45
111	One-step production of biodiesel from oils with high acid value by activated Mg-Al hydrotalcite nanoparticles. *Bioresource Technology*, **2015**, 193, 84-9	11	45
110	Combination of dilute acid and ionic liquid pretreatments of sugarcane bagasse for glucose by enzymatic hydrolysis. *Process Biochemistry*, **2013**, 48, 1942-1946	4.8	45
109	Direct Catalytic Transformation of Biomass Derivatives into Biofuel Component γ-Valerolactone with Magnetic Nickel-Zirconium Nanoparticles. *ChemPlusChem*, **2016**, 81, 135-142	2.8	45
108	Catalytic production of Jatropha biodiesel and hydrogen with magnetic carbonaceous acid and base synthesized from Jatropha hulls. *Energy Conversion and Management*, **2017**, 142, 107-116	10.6	44
107	Complete dissolution and hydrolysis of wood in hot water. *AICHE Journal*, **2008**, 54, 2751-2758	3.6	44
106	Efficient catalytic transfer hydrogenation of biomass-based furfural to furfuryl alcohol with recycable Hf-phenylphosphonate nanohybrids. *Catalysis Today*, **2019**, 319, 84-92	5.3	44
105	One-step production of biodiesel from Jatropha oils with high acid value at low temperature by magnetic acid-base amphoteric nanoparticles. *Chemical Engineering Journal*, **2018**, 348, 929-939	14.7	43
104	Production of biodiesel and hydrogen from plant oil catalyzed by magnetic carbon-supported nickel and sodium silicate. *Green Chemistry*, **2016**, 18, 3302-3314	10	41

103	Phase behavior and reaction of polyethylene in supercritical water at pressures up to 2.6 GPa and temperatures up to 670°C. *Journal of Supercritical Fluids*, **2000**, 16, 207-216	4.2	39
102	N-formyl-stabilizing quasi-catalytic species afford rapid and selective solvent-free amination of biomass-derived feedstocks. *Nature Communications*, **2019**, 10, 699	17.4	37
101	Destruction of deca-chlorobiphenyl in supercritical water under oxidizing conditions with and without Na2CO3. *Journal of Supercritical Fluids*, **2005**, 33, 247-258	4.2	34
100	High yield production of sugars from deproteinated palm kernel cake under microwave irradiation via dilute sulfuric acid hydrolysis. *Bioresource Technology*, **2014**, 153, 69-78	11	33
99	Pretreatment of microcrystalline cellulose in organic electrolyte solutions for enzymatic hydrolysis. *Biotechnology for Biofuels*, **2011**, 4, 53	7.8	31
98	Behavior of Metals during Combustion of Industrial Organic Wastes in Supercritical Water. *Industrial & Engineering Chemistry Research*, **2000**, 39, 4536-4542	3.9	29
97	Production of Biofuels and Chemicals from Lignin. *Biofuels and Biorefineries*, **2016**,	0.3	29
96	Production of Biofuels and Chemicals with Ionic Liquids. *Biofuels and Biorefineries*, **2014**,	0.3	26
95	"One-step production of biodiesel from Jatropha oil with high-acid value in ionic liquids" [Bioresour. Technol. 102 (11) (2011)]. *Bioresource Technology*, **2013**, 140, 447-50	11	26
94	Biohydrogen Production from Hydrolysates of Selected Tropical Biomass Wastes with Clostridium Butyricum. *Scientific Reports*, **2016**, 6, 27205	4.9	26
93	Pretreatment Techniques for Biofuels and Biorefineries. *Green Energy and Technology*, **2013**,	0.6	25
92	Hydrolysis of cellulose to glucose at the low temperature of 423 K with CaFe2O4-based solid catalyst. *Bioresource Technology*, **2012**, 124, 440-5	11	25
91	Hydrothermal conversion of glycerol to chemicals and hydrogen: review and perspective. *Biofuels, Bioproducts and Biorefining*, **2012**, 6, 686-702	5.3	23
90	Destruction of Decachlorobiphenyl Using Supercritical Water Oxidation. *Energy & Fuels*, **2004**, 18, 1257-1265	4.1	23
89	Phase behavior and combustion of hydrocarbon-contaminated sludge in supercritical water at pressures up to 822 MPa and temperatures up to 535°C. *Proceedings of the Combustion Institute*, **2000**, 28, 2717-2725	5.9	23
88	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. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 5804-5813	8.3	22
87	Continuous Synthesis of Tin and Indium Oxide Nanoparticles in Sub- and Supercritical Water. *Journal of the American Ceramic Society*, **2007**, 90, 2367-2371	3.8	22
86	Soybean biodiesel production using synergistic CaO/Ag nano catalyst: Process optimization, kinetic study, and economic evaluation. *Industrial Crops and Products*, **2021**, 166, 113479	5.9	22

85	Complete recovery of cellulose from rice straw pretreated with ethylene glycol and aluminum chloride for enzymatic hydrolysis. *Bioresource Technology*, **2019**, 284, 98-104	11	21
84	Sequential hydrothermal gasification of biomass to hydrogen. *Proceedings of the Combustion Institute*, **2005**, 30, 2231-2237	5.9	21
83	Phase changes of benzo(a)pyrene in supercritical water combustion. *Combustion and Flame*, **2001**, 124, 255-267	5.3	21
82	Direct production of biodiesel from waste oils with a strong solid base from alkalized industrial clay ash. *Applied Energy*, **2020**, 264, 114735	10.7	20
81	High-concentrated substrate enzymatic hydrolysis of pretreated rice straw with glycerol and aluminum chloride at low cellulase loadings. *Bioresource Technology*, **2019**, 294, 122164	11	20
80	Production of 2,3-butanediol from cellulose and Jatropha hulls after ionic liquid pretreatment and dilute-acid hydrolysis. *AMB Express*, **2013**, 3, 48	4.1	20
79	Production of Platform Chemicals from Sustainable Resources. *Biofuels and Biorefineries*, **2017**,	0.3	19
78	Ball milling pretreatment and diluted acid hydrolysis of oil palm empty fruit bunch (EFB) fibres for the production of levulinic acid. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 52, 85-92	5.3	19
77	Subcritical water gasification of lignocellulosic wastes for hydrogen production with Co modified Ni/Al2O3 catalysts. *Journal of Supercritical Fluids*, **2020**, 162, 104863	4.2	19
76	Oil Production by the Oleaginous Yeast Lipomyces starkeyi using Diverse Carbon Sources. *BioResources*, **2014**, 9,	1.3	19
75	Properties and phase equilibria of fluid mixtures as the basis for developing green chemical processes. *Fluid Phase Equilibria*, **2011**, 302, 65-73	2.5	19
74	Selection of high-oil-yield seed sources of Jatropha curcas L. for biodiesel production. *Biofuels*, **2010**, 1, 705-717	2	17
73	Near-critical and Supercritical Water and Their Applications for Biorefineries. *Biofuels and Biorefineries*, **2014**,	0.3	16
72	Reaction of d-glucose in water at high temperatures (410 °C) and pressures (180 MPa) for the production of dyes and nano-particles. *Journal of Supercritical Fluids*, **2011**, 56, 41-47	4.2	15
71	Metal–organic framework-based functional catalytic materials for biodiesel production: a review. *Green Chemistry*, **2021**, 23, 2595-2618	10	15
70	A Kinetic Study on Acid Hydrolysis of Oil Palm Empty Fruit Bunch Fibers Using a Microwave Reactor System. *Energy & Fuels*, **2014**, 28, 2589-2597	4.1	14
69	Catalytic fast pyrolysis of polyethylene terephthalate plastic for the selective production of terephthalonitrile under ammonia atmosphere. *Waste Management*, **2019**, 92, 97-106	8.6	13
68	Production of Biofuels and Chemicals with Microwave. *Biofuels and Biorefineries*, **2015**,	0.3	13

67	A comparative study of polystyrene decomposition in supercritical water and air environments using diamond anvil cell. *Journal of Applied Polymer Science*, **2001**, 81, 3565-3577	2.9	13
66	A model of the energy-supply and demand system at the village level. *Energy*, **1993**, 18, 365-369	7.9	13
65	Microbial lipid production from rice straw hydrolysates and recycled pretreated glycerol. *Bioresource Technology*, **2020**, 312, 123580	11	12
64	Biodiesel Production with Solid Catalysts **2011**,		12
63	Synthesis, characterization and properties of erbium-based nanofibres and nanorods. *Nanotechnology*, **2007**, 18, 445606	3.4	12
62	Flamelless oxidation of chlorinated wastes in supercritical water using sodium carbonate as the oxidation stimulant. *Proceedings of the Combustion Institute*, **2002**, 29, 2485-2492	5.9	12
61	Recent Advances of Producing Biobased N-Containing Compounds via Thermo-Chemical Conversion with Ammonia Process. *Energy & Fuels*, **2020**, 34, 10441-10458	4.1	12
60	Pretreatment of Eastern White Pine (Pinus strobes L.) for Enzymatic Hydrolysis and Ethanol Production by Organic Electrolyte Solutions. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 2822-2829	8.3	12
59	Synthesis of nanocrystalline SnO2 in supercritical water. *Journal of Nanoparticle Research*, **2007**, 9, 683-687	2.5	11
58	2,3-Butanediol and Acetoin Production from Enzymatic Hydrolysate of Ionic Liquid-pretreated Cellulose by Paenibacillus polymyxa. *BioResources*, **2014**, 10,	1.3	10
57	Rapid Production of Micro- and Nano-particles Using Supercritical Water. *Engineering Materials*, **2010**,	0.4	10
56	Characterization of a new magnesium hydrogen orthophosphate salt, Mg3.5H2(PO4)3, synthesized in supercritical water. *Solid State Sciences*, **2007**, 9, 385-393	3.4	10
55	Cellulase immobilized on mesoporous biochar synthesized by ionothermal carbonization of cellulose. *Cellulose*, **2018**, 25, 2473-2485	5.5	9
54	Production of Liquefied Oil Palm Empty Fruit Bunch Based Polyols via Microwave Heating. *Energy & Fuels*, **2017**, 31, 10975-10982	4.1	9
53	Hydrothermal synthesis, crystal structure, and vibrational and M□ssbauer spectra of a new tricationic orthophosphate ? KCo3Fe(PO4)3. *Canadian Journal of Chemistry*, **2006**, 84, 124-133	0.9	9
52	A study of rubber liquefaction in supercritical water using DAC-stereomicroscopy and FT-IR spectrometry. *Fuel*, **2002**, 81, 935-945	7.1	9
51	Fundamentals of Acoustic Cavitation in Sonochemistry. *Biofuels and Biorefineries*, **2015**, 3-33	0.3	9
50	Properties, Chemical Characteristics and Application of Lignin and Its Derivatives. *Biofuels and Biorefineries*, **2016**, 3-33	0.3	9

49	Production of aromatic amines via catalytic co-pyrolysis of lignin and phenol-formaldehyde resins with ammonia over commercial HZSM-5 zeolites. *Bioresource Technology*, **2021**, 320, 124252	11	9
48	Noncatalytic fast hydrolysis of wood. *Bioresource Technology*, **2011**, 102, 3587-90	11	8
47	Hydrothermal amination of biomass to nitrogenous chemicals. *Green Chemistry*, **2021**, 23, 6675-6697	10	8
46	Synthesis of erbium hydroxide microflowers and nanostructures in subcritical water. *Nanotechnology*, **2008**, 19, 185606	3.4	7
45	Use of methanol and oxygen in promoting the destruction of deca-chlorobiphenyl in supercritical water. *Fuel*, **2008**, 87, 353-358	7.1	7
44	Biofuels - Economy, Environment and Sustainability **2013**,		7
43	Production of Hydrogen from Renewable Resources. *Biofuels and Biorefineries*, **2015**,	0.3	6
42	Biodiesel - Feedstocks, Production and Applications **2012**,		6
41	Efficient Cu catalyst for 5-hydroxymethylfurfural hydrogenolysis by forming Cu□Si bonds. *Catalysis Science and Technology*, **2020**, 10, 7323-7330	5.5	6
40	Catalytic hydrothermal co-gasification of canola meal and low-density polyethylene using mixed metal oxides for hydrogen production. *International Journal of Hydrogen Energy*, **2021**,	6.7	6
39	One-Pot Microwave-Assisted Hydrolysis of Cellulose and Hemicellulose in Selected Tropical Plant Wastes by NaOH-Freeze Pretreatment. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5166-5174	8.3	5
38	Selective Production of Terephthalonitrile and Benzonitrile via Pyrolysis of Polyethylene Terephthalate (PET) with Ammonia over Ca(OH)2/Al2O3 Catalysts. *Catalysts*, **2019**, 9, 436	4	5
37	Production of Biofuels and Chemicals with Ultrasound. *Biofuels and Biorefineries*, **2015**,	0.3	5
36	Shape-controlled Synthesis of Activated Bio-chars by Surfactant-templated Ionothermal Carbonization in Acidic Ionic Liquid and Activation with Carbon Dioxide. *BioResources*, **2014**, 9,	1.3	5
35	Liquid, Gaseous and Solid Biofuels - Conversion Techniques **2013**,		5
34	Production of Biofuels and Chemicals with Bifunctional Catalysts. *Biofuels and Biorefineries*, **2017**,	0.3	5
33	Production of liquid fuel intermediates from furfural via aldol condensation over La2O2CO3-ZnO-Al2O3 catalyst. *Catalysis Communications*, **2021**, 149, 106207	3.2	5
32	Direct production of biodiesel via simultaneous esterification and transesterification of renewable oils using calcined blast furnace dust. *Renewable Energy*, **2021**, 175, 1001-1011	8.1	5

31	Production of Versatile Platform Chemical 5-Hydroxymethylfurfural from Biomass in Ionic Liquids. *Biofuels and Biorefineries*, **2014**, 223-254	0.3	4
30	Solid- and Nano-Catalysts Pretreatment and Hydrolysis Techniques. *Green Energy and Technology*, **2013**, 339-366	0.6	4
29	Co-production of phenolic oil and CaO/char deoxidation catalyst via catalytic fast pyrolysis of phenol-formaldehyde resin with Ca(OH)2. *Journal of Analytical and Applied Pyrolysis*, **2019**, 142, 104663	6	3
28	Fundamentals of Bifunctional Catalysis for Transforming Biomass-Related Compounds into Chemicals and Biofuels. *Biofuels and Biorefineries*, **2017**, 3-30	0.3	3
27	Oxidation of naphthalene in supercritical water up to 420℃ and 30 MPA. *Combustion Science and Technology*, **2003**, 175, 291-318	1.5	3
26	Introduction to Pyrolysis as a Thermo-Chemical Conversion Technology. *Biofuels and Biorefineries*, **2020**, 3-30	0.3	3
25	CHAPTER 19:Hydrothermal Events Occurring During Gasification in Supercritical Water. *RSC Green Chemistry*, **2018**, 560-587	0.9	3
24	Production of Materials from Sustainable Biomass Resources. *Biofuels and Biorefineries*, **2019**,	0.3	2
23	Supercritical Water Process. *Engineering Materials*, **2010**, 11-27	0.4	2
22	Rural Energy Resources: Applications and Consumption in China. *Energy Sources Part A Recovery, Utilization, and Environmental Effects*, **1994**, 16, 229-239		2
21	Synergistic Catalysis of Co-Zr/CN x Bimetallic Nanoparticles Enables Reductive Amination of Biobased Levulinic Acid. *Advanced Sustainable Systems*,2100321	5.9	2
20	Efficient production of biodiesel with electric furnace dust impregnated in Na2CO3 solution. *Journal of Cleaner Production*, **2022**, 330, 129772	10.3	2
19	Techno-economic Analysis of Renewable Hydrogen Production via SCWG of Biomass Using Glucose as a Model Compound. *Biofuels and Biorefineries*, **2014**, 445-471	0.3	2
18	Characteristics of Products from Hydrothermal Carbonization of Bamboo. *Applied Mechanics and Materials*, **2014**, 654, 7-10	0.3	1
17	Cellulose hydrolysis in supercritical water to recover chemicals **2000**, 205-220		1
16	Efficient saccharification of wheat straw pretreated by solid particle-assisted ball milling with waste washing liquor recycling.. *Bioresource Technology*, **2022**, 347, 126721	11	1
15	Nano-Structured Coatings. *Engineering Materials*, **2010**, 57-62	0.4	1
14	Efficient production of biodiesel at low temperature using highly active bifunctional Na-Fe-Ca nanocatalyst from blast furnace waste. *Fuel*, **2022**, 322, 124168	7.1	1

13	Synthesis of jet fuel intermediates via aldol condensation of biomass-derived furfural with lanthanide catalyst. *Molecular Catalysis*, **2021**, 515, 111893	3.3	0
12	Highly stable NaFeO2-Fe3O4 composite catalyst from blast furnace dust for efficient production of biodiesel at low temperature. *Industrial Crops and Products*, **2022**, 182, 114937	5.9	0
11	High yield production of levoglucosan via catalytic pyrolysis of cellulose at low temperature. *Fuel*, **2022**, 323, 124369	7.1	0
10	Introduction to Characterization Methods for Heterogeneous Catalysts and Their Application to Cellulose Conversion Mechanisms. *Biofuels and Biorefineries*, **2017**, 31-96	0.3	
9	Optimization of Mannose Yield from Deproteinated Palm Kernel Cake via Dilute Fumaric Acid Hydrolysis. *Advanced Materials Research*, **2014**, 911, 302-306	0.5	
8	Status and Perspective of Organic Solvent Based Pretreatment of Lignocellulosic Biomass for Enzymatic Saccharification. *Green Energy and Technology*, **2013**, 309-337	0.6	
7	Hydrogen Production from Biomass by Low Temperature Catalytic Gasification396-404		
6	Black Liquor Pyrolysis and Char Reactivity **1997**, 294-304		
5	Conclusions and Future Prospects. *Engineering Materials*, **2010**, 87-92	0.4	
4	Other Materials Synthesis. *Engineering Materials*, **2010**, 63-69	0.4	
3	Fine Organics Particles by Precipitation of Solute. *Engineering Materials*, **2010**, 71-86	0.4	
2	Metal Oxides Synthesis. *Engineering Materials*, **2010**, 29-55	0.4	
1	Sustainable Technologies for Recycling Organic Solid Wastes. *Biofuels and Biorefineries*, **2022**, 3-29	0.3	