

Changwei Hu

List of Publications by Year in descending order

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223
papers

8,677
citations

44069

48
h-index

64796

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g-index

224
all docs

224
docs citations

224
times ranked

8296
citing authors

#	ARTICLE	IF	CITATIONS
1	The production of furfural directly from hemicellulose in lignocellulosic biomass: A review. <i>Catalysis Today</i> , 2019, 319, 14-24.	4.4	281
2	Biorenewable hydrogen production through biomass gasification: A review and future prospects. <i>Environmental Research</i> , 2020, 186, 109547.	7.5	280
3	Low-temperature catalytic CO ₂ dry reforming of methane on Ni-based catalysts: A review. <i>Fuel Processing Technology</i> , 2018, 169, 199-206.	7.2	275
4	Toxicological effects of TiO ₂ and ZnO nanoparticles in soil on earthworm <i>Eisenia fetida</i> . <i>Soil Biology and Biochemistry</i> , 2010, 42, 586-591.	8.8	272
5	Low-Temperature Catalytic CO ₂ Dry Reforming of Methane on Ni-Si/ZrO ₂ Catalyst. <i>ACS Catalysis</i> , 2018, 8, 6495-6506.	11.2	220
6	Copper and zinc induction of lipid peroxidation and effects on antioxidant enzyme activities in the microalga <i>Pavlova viridis</i> (Prymnesiophyceae). <i>Chemosphere</i> , 2006, 62, 565-572.	8.2	218
7	Recent Advances in the Catalytic Depolymerization of Lignin towards Phenolic Chemicals: A Review. <i>ChemSusChem</i> , 2020, 13, 4296-4317.	6.8	207
8	Asymmetric Direct Aldol Reaction of Functionalized Ketones Catalyzed by Amine Organocatalysts Based on Bispidine. <i>Journal of the American Chemical Society</i> , 2008, 130, 5654-5655.	13.7	162
9	Mechanistic Study of Glucose-to-Fructose Isomerization in Water Catalyzed by [Al(OH) ₂ (aq)] ⁺ . <i>ACS Catalysis</i> , 2015, 5, 5097-5103.	11.2	161
10	Nutrient removal and biogas upgrading by integrating freshwater algae cultivation with piggery anaerobic digestate liquid treatment. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6493-6501.	3.6	137
11	Insights into the Kinetics and Reaction Network of Aluminum Chloride-Catalyzed Conversion of Glucose in NaCl•H ₂ O/THF Biphasic System. <i>ACS Catalysis</i> , 2017, 7, 256-266.	11.2	133
12	Effects of various LED light wavelengths and intensities on microalgae-based simultaneous biogas upgrading and digestate nutrient reduction process. <i>Bioresource Technology</i> , 2013, 136, 461-468.	9.6	120
13	Promoting Effect of Sodium Chloride on the Solubilization and Depolymerization of Cellulose from Raw Biomass Materials in Water. <i>ChemSusChem</i> , 2015, 8, 1901-1907.	6.8	120
14	Selective conversion of lignin in corncob residue to monophenols with high yield and selectivity. <i>Green Chemistry</i> , 2014, 16, 4257-4265.	9.0	113
15	Production of high-grade diesel from palmitic acid over activated carbon-supported nickel phosphide catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 375-385.	20.2	113
16	Ecotoxicological effects of graphene oxide on the protozoan <i>Euglena gracilis</i> . <i>Chemosphere</i> , 2015, 128, 184-190.	8.2	95
17	Performance of three microalgal strains in biogas slurry purification and biogas upgrade in response to various mixed light-emitting diode light wavelengths. <i>Bioresource Technology</i> , 2015, 187, 338-345.	9.6	93
18	The degradation of the lignin in <i>Phyllostachys heterocycla</i> cv. <i>pubescens</i> in an ethanol solvothermal system. <i>Green Chemistry</i> , 2014, 16, 3107-3116.	9.0	91

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19	Selective extraction and conversion of lignin in actual biomass to monophenols: A review. <i>Journal of Energy Chemistry</i> , 2016, 25, 947-956.	12.9	82
20	Insights into the Influence of ZrO ₂ Crystal Structures on Methyl Laurate Hydrogenation over Co/ZrO ₂ Catalysts. <i>ACS Catalysis</i> , 2021, 11, 7099-7113.	11.2	82
21	Graphite oxide- and graphene oxide-supported catalysts for microwave-assisted glucose isomerisation in water. <i>Green Chemistry</i> , 2019, 21, 4341-4353.	9.0	80
22	To evaluate the toxicity of atrazine on the freshwater microalgae <i>Chlorella</i> sp. using sensitive indices indicated by photosynthetic parameters. <i>Chemosphere</i> , 2020, 244, 125514.	8.2	77
23	Comparative study on the promotion effect of Mn and Zr on the stability of Ni/SiO ₂ catalyst for CO ₂ reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 7268-7279.	7.1	76
24	The production of diesel-like hydrocarbons from palmitic acid over HZSM-22 supported nickel phosphide catalysts. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 504-514.	20.2	76
25	Catalytic depolymerization of organosolv lignin to phenolic monomers and low molecular weight oligomers. <i>Fuel</i> , 2019, 244, 247-257.	6.4	76
26	Simultaneously upgrading biogas and purifying biogas slurry using cocultivation of <i>Chlorella vulgaris</i> and three different fungi under various mixed light wavelength and photoperiods. <i>Bioresource Technology</i> , 2017, 241, 701-709.	9.6	72
27	Microwave-enhanced pyrolysis of natural algae from water blooms. <i>Bioresource Technology</i> , 2016, 212, 311-317.	9.6	71
28	Adsorption of Cu ²⁺ , Pb ²⁺ , and Cd ²⁺ onto oiltea shell from water. <i>Bioresource Technology</i> , 2019, 271, 487-491.	9.6	70
29	Selective Conversion of Cellulose in Corncob Residue to Levulinic Acid in an Aluminum Trichloride–Sodium Chloride System. <i>ChemSusChem</i> , 2014, 7, 2482-2488.	6.8	68
30	Unique Steric Effect of Geminal Bis(silane) To Control the High <i>Exo</i> -selectivity in Intermolecular Diels–Alder Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 1877-1883.	13.7	68
31	Synthesis gas production from CO ₂ reforming of methane over Ni–Ce/SiO ₂ catalyst: The effect of calcination ambience. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 117-126.	7.1	67
32	Co-pelletization of microalgae and fungi for efficient nutrient purification and biogas upgrading. <i>Bioresource Technology</i> , 2019, 289, 121656.	9.6	67
33	Low temperature hydroxylation of benzene to phenol by hydrogen peroxide over Fe/activated carbon catalyst. <i>Journal of Molecular Catalysis A</i> , 2007, 272, 169-173.	4.8	66
34	Influence of green solvent on levulinic acid production from lignocellulosic paper waste. <i>Bioresource Technology</i> , 2020, 298, 122544.	9.6	66
35	Evaluation of growth and biochemical indicators of <i>Salvinia natans</i> exposed to zinc oxide nanoparticles and zinc accumulation in plants. <i>Environmental Science and Pollution Research</i> , 2014, 21, 732-739.	5.3	62
36	Low-temperature CO ₂ reforming of methane on Zr-promoted Ni/SiO ₂ catalyst. <i>Fuel Processing Technology</i> , 2016, 144, 1-7.	7.2	62

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37	Individual Pathways in the Formation of Magic-Size Clusters and Conventional Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3660-3666.	4.6	62
38	Effects of plant and influent C:N:P ratio on microbial diversity in pilot-scale constructed wetlands. <i>Ecological Engineering</i> , 2010, 36, 441-449.	3.6	59
39	Mechanistic understanding of salt-assisted autocatalytic hydrolysis of cellulose. <i>Sustainable Energy and Fuels</i> , 2018, 2, 936-940.	4.9	57
40	Effect of graphene oxide on copper stress in <i>Lemna minor</i> L.: evaluating growth, biochemical responses, and nutrient uptake. <i>Journal of Hazardous Materials</i> , 2018, 341, 168-176.	12.4	57
41	CO ₂ reforming of methane over Mg-promoted Ni/SiO ₂ catalysts: the influence of Mg precursors and impregnation sequences. <i>Catalysis Science and Technology</i> , 2012, 2, 529-537.	4.1	55
42	Understanding the cleavage of inter- and intramolecular linkages in corncob residue for utilization of lignin to produce monophenols. <i>Green Chemistry</i> , 2016, 18, 4109-4115.	9.0	55
43	Controlling the cleavage of the inter- and intra-molecular linkages in lignocellulosic biomass for further biorefining: A review. <i>Bioresource Technology</i> , 2018, 256, 466-477.	9.6	55
44	Suppression of oligomer formation in glucose dehydration by CO ₂ and tetrahydrofuran. <i>Green Chemistry</i> , 2017, 19, 3334-3343.	9.0	55
45	Biochemical Responses of Duckweed (<i>Spirodela polyrhiza</i>) to Zinc Oxide Nanoparticles. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 643-651.	4.1	53
46	Performance of piggery wastewater treatment and biogas upgrading by three microalgal cultivation technologies under different initial COD concentration. <i>Energy</i> , 2018, 165, 360-369.	8.8	53
47	Microwave-assisted depolymerization of various types of waste lignins over two-dimensional CuO/BCN catalysts. <i>Green Chemistry</i> , 2020, 22, 725-736.	9.0	52
48	Microwave-assisted hydrothermal selective dissolution and utilisation of hemicellulose in <i>Phyllostachys heterocycla</i> cv. <i>pubescens</i> . <i>Green Chemistry</i> , 2017, 19, 4889-4899.	9.0	51
49	Effects of various LED light wavelengths and light intensity supply strategies on synthetic high-strength wastewater purification by <i>Chlorella vulgaris</i> . <i>Biodegradation</i> , 2013, 24, 721-732.	3.0	50
50	Fractionation for further conversion: from raw corn stover to lactic acid. <i>Scientific Reports</i> , 2016, 6, 38623.	3.3	50
51	A Simple Two-Step Method for the Selective Conversion of Hemicellulose in <i>Pubescens</i> to Furfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8137-8147.	6.7	50
52	Performance of different microalgae-based technologies in biogas slurry nutrient removal and biogas upgrading in response to various initial CO ₂ concentration and mixed light-emitting diode light wavelength treatments. <i>Journal of Cleaner Production</i> , 2017, 166, 408-416.	9.3	50
53	Low temperature catalytic conversion of oligomers derived from lignin in <i>pubescens</i> on Pd/NbOPO ₄ . <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118325.	20.2	49
54	Selective hydrogenation of furfural to furfuryl alcohol in water under mild conditions over a hydrotalcite-derived Pt-based catalyst. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121260.	20.2	49

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55	Phenol hydroxylation over Fe-incorporated mesoporous materials prepared by coprecipitation. <i>Microporous and Mesoporous Materials</i> , 2013, 182, 62-72.	4.4	48
56	Preparation of Fe/activated carbon directly from rice husk pyrolytic carbon and its application in catalytic hydroxylation of phenol. <i>RSC Advances</i> , 2015, 5, 4984-4992.	3.6	48
57	The influence of reduction temperature on the performance of ZrOx/Ni-MnOx/SiO2 catalyst for low-temperature CO2 reforming of methane. <i>Catalysis Today</i> , 2017, 281, 259-267.	4.4	48
58	Performance of CO2 concentrations on nutrient removal and biogas upgrading by integrating microalgal strains cultivation with activated sludge. <i>Energy</i> , 2016, 97, 229-237.	8.8	47
59	Directing the Simultaneous Conversion of Hemicellulose and Cellulose in Raw Biomass to Lactic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4244-4255.	6.7	47
60	Solvent Effects on Degradative Condensation Side Reactions of Fructose in Its Initial Conversion to 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2020, 13, 501-512.	6.8	46
61	One-Step Synthesis of Highly Active and Stable Ni-ZrO _x for Dry Reforming of Methane. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 11441-11452.	3.7	46
62	Effect of light intensity on the capability of different microalgae species for simultaneous biogas upgrading and biogas slurry nutrient reduction. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 157-163.	3.9	44
63	Graphene oxide alleviates the ecotoxicity of copper on the freshwater microalga <i>Scenedesmus obliquus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 360-365.	6.0	44
64	General low-temperature reaction pathway from precursors to monomers before nucleation of compound semiconductor nanocrystals. <i>Nature Communications</i> , 2016, 7, 12223.	12.8	44
65	Application of Fe/Activated Carbon Catalysts in the Hydroxylation of Phenol to Dihydroxybenzenes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2932-2939.	3.7	43
66	Sodium Chloride-Assisted Depolymerization of Xylo-oligomers to Xylose. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4098-4104.	6.7	43
67	Production of high-quality biofuel via ethanol liquefaction of pretreated natural microalgae. <i>Renewable Energy</i> , 2020, 147, 293-301.	8.9	42
68	Effects of influent C/N ratios on wastewater nutrient removal and simultaneous greenhouse gas emission from the combinations of vertical subsurface flow constructed wetlands and earthworm eco-filters for treating synthetic wastewater. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 567.	3.5	41
69	Acute toxicity of multi-walled carbon nanotubes, sodium pentachlorophenate, and their complex on earthworm <i>Eisenia fetida</i> . <i>Ecotoxicology and Environmental Safety</i> , 2014, 103, 29-35.	6.0	40
70	Nutrient removal and biogas upgrading by integrating fungal-microalgal cultivation with anaerobically digested swine wastewater treatment. <i>Journal of Applied Phycology</i> , 2017, 29, 2857-2866.	2.8	40
71	Synergistic Effect of Different Species in Stannic Chloride Solution on the Production of Levulinic Acid from Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5176-5183.	6.7	40
72	Algal biomass valorisation to high-value chemicals and bioproducts: Recent advances, opportunities and challenges. <i>Bioresource Technology</i> , 2022, 344, 126371.	9.6	40

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73	Selection of microalgae for simultaneous biogas upgrading and biogas slurry nutrient reduction under various photoperiods. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1982-1989.	3.2	39
74	Performance of mixed LED light wavelengths on nutrient removal and biogas upgrading by different microalgal-based treatment technologies. <i>Energy</i> , 2017, 130, 392-401.	8.8	39
75	Fractional pyrolysis of Cyanobacteria from water blooms over HZSM-5 for high quality bio-oil production. <i>Journal of Energy Chemistry</i> , 2014, 23, 732-741.	12.9	38
76	The chemical and dynamic distribution characteristics of iron, cobalt and nickel in three different anaerobic digestates: Effect of pH and trace elements dosage. <i>Bioresource Technology</i> , 2018, 269, 363-374.	9.6	38
77	Evaluation of the combined toxicity of multi-walled carbon nanotubes and sodium pentachlorophenate on the earthworm <i>Eisenia fetida</i> using avoidance bioassay and comet assay. <i>Soil Biology and Biochemistry</i> , 2014, 70, 123-130.	8.8	37
78	Direct ring C H bond activation to produce cresols from toluene and hydrogen peroxide catalyzed by framework titanium in TS-1. <i>Journal of Catalysis</i> , 2018, 366, 37-49.	6.2	37
79	Enantioselective synthesis of D-lactic acid via chemocatalysis using MgO: Experimental and molecular-based rationalization of the triose's reactivity and preliminary insights with raw biomass. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120145.	20.2	37
80	Adsorption of methylene blue on an agro-waste oiltea shell with and without fungal treatment. <i>Scientific Reports</i> , 2016, 6, 38450.	3.3	36
81	Effect of Tetrahydrofuran on the Solubilization and Depolymerization of Cellulose in a Biphasic System. <i>ChemSusChem</i> , 2018, 11, 397-405.	6.8	36
82	Removal of atrazine in catalytic degradation solutions by microalgae <i>Chlorella</i> sp. and evaluation of toxicity of degradation products via algal growth and photosynthetic activity. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111546.	6.0	36
83	Performances of Several Solvents on the Cleavage of Inter- and Intramolecular Linkages of Lignin in Corn Cob Residue. <i>ChemSusChem</i> , 2018, 11, 1494-1504.	6.8	34
84	Temperature-tuned selectivity to alkanes or alcohol from ethyl palmitate deoxygenation over zirconia-supported cobalt catalyst. <i>Fuel</i> , 2020, 278, 118295.	6.4	34
85	Variation of rhizosphere microbial community in continuous mono-maize seed production. <i>Scientific Reports</i> , 2021, 11, 1544.	3.3	34
86	Variation of lipid and fatty acid compositions of the marine microalga <i>Pavlova viridis</i> (Prymnesiophyceae) under laboratory and outdoor culture conditions. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 1209-1214.	3.6	33
87	Production of γ -valerolactone via selective catalytic conversion of hemicellulose in <i>pubescens</i> without addition of external hydrogen. <i>Green Chemistry</i> , 2016, 18, 848-857.	9.0	33
88	Structure characterization and pyrolysis behavior of organosolv lignin isolated from corn cob residue. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 136, 115-124.	5.5	33
89	Ecotoxicological effects of perfluorooctanoic acid on freshwater microalgae <i>Chlamydomonas reinhardtii</i> and <i>Scenedesmus obliquus</i> . <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1129-1134.	4.3	32
90	Selective dissociation and conversion of hemicellulose in <i>Phyllostachys heterocycla</i> cv. var. <i>pubescens</i> to value-added monomers via solvent-thermal methods promoted by AlCl ₃ . <i>RSC Advances</i> , 2014, 4, 24194-24206.	3.6	32

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91	Characterization and utilization of industrial microbial waste as novel adsorbent to remove single and mixed dyes from water. <i>Journal of Cleaner Production</i> , 2019, 208, 552-562.	9.3	32
92	Advanced masking agent for leather tanning from stepwise degradation and oxidation of cellulose. <i>Green Chemistry</i> , 2021, 23, 4044-4050.	9.0	32
93	AlCl ₃ catalyzed conversion of hemicellulose in corn stover. <i>Chinese Journal of Catalysis</i> , 2013, 34, 2146-2152.	14.0	31
94	Screening of microalgae for integral biogas slurry nutrient removal and biogas upgrading by different microalgae cultivation technology. <i>Scientific Reports</i> , 2017, 7, 5426.	3.3	31
95	A "Trojan horse strategy" for the development of a renewable leather tanning agent produced via an AlCl ₃ -catalyzed cellulose depolymerization. <i>Green Chemistry</i> , 2020, 22, 316-321.	9.0	31
96	Selective degradation and oxidation of hemicellulose in corncob to oligosaccharides: From biomass into masking agent for sustainable leather tanning. <i>Journal of Hazardous Materials</i> , 2021, 413, 125425.	12.4	31
97	Research Progress and Reaction Mechanism of CO ₂ Methanation over Ni-Based Catalysts at Low Temperature: A Review. <i>Catalysts</i> , 2022, 12, 244.	3.5	31
98	Hydroxylation of Benzene by Activated Carbon Catalyst. <i>Chinese Journal of Catalysis</i> , 2012, 33, 1622-1630.	14.0	30
99	Steam reforming of CH ₄ at low temperature on Ni/ZrO ₂ catalyst: Effect of H ₂ O/CH ₄ ratio on carbon deposition. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14281-14292.	7.1	30
100	Removal of pollutants from biogas slurry and CO ₂ capture in biogas by microalgae-based technology: a systematic review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28749-28767.	5.3	29
101	Sustainable production of lignin micro-/nano-particles (LMNPs) from biomass: Influence of the type of biomass on their self-assembly capability and physicochemical properties. <i>Journal of Hazardous Materials</i> , 2021, 403, 123701.	12.4	29
102	Effects of plants development and pollutant loading on performance of vertical subsurface flow constructed wetlands. <i>International Journal of Environmental Science and Technology</i> , 2011, 8, 177-186.	3.5	28
103	High yield and high concentration glucose production from corncob residues after tetrahydrofuran + H ₂ O co-solvent pretreatment and followed by enzymatic hydrolysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110107.	16.4	28
104	Ni-Fe Catalysts Supported on Î ³ -Al ₂ O ₃ /HZSM-5 for Transformation of Palmitic Acid into Hydrocarbon Fuel. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17373-17386.	3.7	28
105	Unraveling enhanced activity and coke resistance of Pt-based catalyst in bio-aviation fuel refining. <i>Applied Energy</i> , 2021, 301, 117469.	10.1	28
106	Effects of influent C/N ratios and treatment technologies on integral biogas upgrading and pollutants removal from synthetic domestic sewage. <i>Scientific Reports</i> , 2017, 7, 10897.	3.3	27
107	Effects of carbon nanotubes on the toxicities of copper, cadmium and zinc toward the freshwater microalgae <i>Scenedesmus obliquus</i> . <i>Aquatic Toxicology</i> , 2020, 224, 105504.	4.0	27
108	Genotoxicity of organic pollutants in source of drinking water on microalga <i>Euglena gracilis</i> . <i>Ecotoxicology</i> , 2009, 18, 669-676.	2.4	26

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109	A one-pot microwave-assisted NaCl/H ₂ O/GVL solvent system for cellulose conversion to 5-hydroxymethylfurfural and saccharides with in situ separation of the products. <i>Cellulose</i> , 2019, 26, 8383-8400.	4.9	25
110	Highly Carbon-Resistant Y Doped NiO/ZrO _m Catalysts for Dry Reforming of Methane. <i>Catalysts</i> , 2019, 9, 1055.	3.5	25
111	Catalytic Thermochemical Conversion of Algae and Upgrading of Algal Oil for the Production of High-Grade Liquid Fuel: A Review. <i>Catalysts</i> , 2020, 10, 145.	3.5	25
112	Bimetallic Ni and Mo Nitride as an Efficient Catalyst for Hydrodeoxygenation of Palmitic Acid. <i>ACS Catalysis</i> , 2022, 12, 4333-4343.	11.2	25
113	Toxicological effects of multi-walled carbon nanotubes adsorbed with nonylphenol on earthworm <i>Eisenia fetida</i> . <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 2125.	3.5	24
114	Mechanistic Study of the Role of Primary Amines in Precursor Conversions to Semiconductor Nanocrystals at Low Temperature. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6898-6904.	13.8	24
115	The effect of NH ₃ -H ₂ O addition in Ni/SBA-15 catalyst preparation on its performance for carbon dioxide reforming of methane to produce H ₂ . <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13921-13930.	7.1	23
116	Distribution and Potential Ecological Risk of Heavy Metals in Water, Sediments, and Aquatic Macrophytes: A Case Study of the Junction of Four Rivers in Linyi City, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2861.	2.6	23
117	The Conversion of Jatropha Oil into Jet Fuel on NiMo/Al-MCM-41 Catalyst: Intrinsic Synergic Effects between Ni and Mo. <i>Energy Technology</i> , 2019, 7, 1800809.	3.8	23
118	On the development of chrome-free tanning agents: an advanced Trojan horse strategy using Al-Zr-oligosaccharides™ produced by the depolymerization and oxidation of biomass. <i>Green Chemistry</i> , 2021, 23, 2640-2651.	9.0	23
119	Protective effects of eicosapentaenoic acid on genotoxicity and oxidative stress of cyclophosphamide in mice. <i>Environmental Toxicology</i> , 2011, 26, 217-223.	4.0	22
120	Effects of ¹³ C-Valerolactone/H ₂ O Solvent on the Degradation of <i>pubescens</i> for Its Fullest Utilization. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6094-6103.	5.2	22
121	Identification and structural characterization of oligomers formed from the pyrolysis of biomass. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 144, 104696.	5.5	22
122	Transformation of Jatropha Oil into High-Quality Biofuel over Ni-W Bimetallic Catalysts. <i>ACS Omega</i> , 2019, 4, 10580-10592.	3.5	22
123	Two-step hydrothermal conversion of <i>Pubescens</i> to obtain furans and phenol compounds separately. <i>Bioresource Technology</i> , 2010, 101, 8873-8880.	9.6	21
124	Aromatic C-N bond formation via simultaneous activation of C-H and N-H bonds: direct oxyamination of benzene to aniline. <i>Green Chemistry</i> , 2012, 14, 1880.	9.0	21
125	Direct amination of benzene to aniline by reactive distillation method over copper doped hierarchical TS-1 catalyst. <i>Catalysis Science and Technology</i> , 2014, 4, 639-647.	4.1	21
126	Effects of ZnO nanoparticles on the toxicity of cadmium to duckweed <i>Lemna minor</i> . <i>Science of the Total Environment</i> , 2019, 662, 697-702.	8.0	21

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127	Mechanistic Study of the Asymmetric Carbonyl-Ene Reaction between Alkyl Enol Ethers and Isatin Catalyzed by the N,N'-Dioxide-Mg(OTf) ₂ Complex. <i>Journal of Organic Chemistry</i> , 2016, 81, 6444-6456.	3.2	20
128	One-step synthesis of highly active and stable Ni-ZrO ₂ catalysts for the conversion of methyl laurate to alkanes. <i>Journal of Catalysis</i> , 2022, 413, 297-310.	6.2	20
129	D-Excess-LaA Production Directly from Biomass by Trivalent Yttrium Species. <i>IScience</i> , 2019, 12, 132-140.	4.1	19
130	Treatment of methylene blue by mesoporous Fe/SiO ₂ prepared from rice husk pyrolytic residues. <i>Catalysis Today</i> , 2020, 355, 529-538.	4.4	19
131	One-pot chemo-catalytic conversion of glucose to methyl lactate over In ³⁺ -Al ₂ O ₃ catalyst. <i>Catalysis Today</i> , 2021, 365, 249-256.	4.4	19
132	Internalization of polystyrene microplastics in <i>Euglena gracilis</i> and its effects on the protozoan photosynthesis and motility. <i>Aquatic Toxicology</i> , 2021, 236, 105840.	4.0	19
133	The insights into the catalytic performance of rare earth metal ions on lactic acid formation from biomass via microwave heating. <i>Chemical Engineering Journal</i> , 2021, 421, 130014.	12.7	19
134	Efficient catalytic conversion of jatropha oil to high grade biofuel on Ni-Mo ₂ C/MCM-41 catalysts with tuned surface properties. <i>Journal of Energy Chemistry</i> , 2021, 61, 425-435.	12.9	19
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