

# Changwei Hu

## List of Publications by Year in descending order

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223  
papers

8,677  
citations

44069

48  
h-index

64796

79  
g-index

224  
all docs

224  
docs citations

224  
times ranked

8296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the selectivity of natural oils and fatty acids/esters deoxygenation to biofuels and fatty alcohols: A review. <i>Green Energy and Environment</i> , 2023, 8, 722-743.	8.7	14
2	The effect of adsorbed oxygen species on carbon-resistance of Ni-Zr catalyst modified by Al and Mn for dry reforming of methane. <i>Catalysis Today</i> , 2022, 384-386, 257-264.	4.4	17
3	Nutrient and tetracycline removal from simulated biogas slurry and biogas upgrading by microalgae cultivation under different carbon nanotubes concentrations. <i>Environmental Science and Pollution Research</i> , 2022, 29, 8538-8548.	5.3	9
4	Algal biomass valorisation to high-value chemicals and bioproducts: Recent advances, opportunities and challenges. <i>Bioresource Technology</i> , 2022, 344, 126371.	9.6	40
5	Effects of polystyrene microplastics on copper toxicity to the protozoan <i>Euglena gracilis</i> : emphasis on different evaluation methods, photosynthesis, and metal accumulation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 23461-23473.	5.3	7
6	The inhibition of p-hydroxyphenyl hydroxyl group in residual lignin on enzymatic hydrolysis of cellulose and its underlying mechanism. <i>Bioresource Technology</i> , 2022, 346, 126585.	9.6	8
7	Boosting CO <sub>2</sub> reforming of methane via the metal-support interaction in mesostructured SBA-16-derived Ni nanoparticles. <i>Applied Materials Today</i> , 2022, 26, 101354.	4.3	5
8	Selective transformation of typical sugars to lactic acid catalyzed by dealuminated ZSM-5 supported erbium. <i>Renewable Energy</i> , 2022, 187, 551-560.	8.9	10
9	Chemical-switching strategy for the production of green biofuel on NiCo/MCM-41 catalysts by tuning atmosphere. <i>Fuel</i> , 2022, 315, 123118.	6.4	6
10	Unraveling catalytic properties by yttrium promotion on mesoporous SBA-16 supported nickel catalysts towards CO <sub>2</sub> methanation. <i>Fuel</i> , 2022, 317, 122829.	6.4	8
11	Low temperature catalytic hydrodeoxygenation of lignin-derived phenols to cyclohexanols over the Ru/SBA-15 catalyst. <i>RSC Advances</i> , 2022, 12, 9352-9362.	3.6	10
12	Research Progress and Reaction Mechanism of CO <sub>2</sub> Methanation over Ni-Based Catalysts at Low Temperature: A Review. <i>Catalysts</i> , 2022, 12, 244.	3.5	31
13	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
14	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
15	Origin of enantioselectivity and product-distribution control in isocyanide-based multicomponent reaction catalysed by chiral N, N'-dioxide-Mg(II) complex. <i>Molecular Catalysis</i> , 2022, 524, 112277.	2.0	2
16	Cooperative roles of Sn(IV) and Cu(II) for efficient transformation of biomass-derived acetol towards lactic acid production. <i>Science of the Total Environment</i> , 2022, 833, 155044.	8.0	4
17	Facile preparation of lignin nanoparticles from waste <i>Camellia oleifera</i> shell: The solvent effect on the structural characteristic of lignin nanoparticles. <i>Industrial Crops and Products</i> , 2022, 183, 114943.	5.2	18
18	Molybdenum carbide as catalyst in biomass derivatives conversion. <i>Journal of Energy Chemistry</i> , 2022, 73, 68-87.	12.9	10

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19	Efficiency conversion of jatropha oil into high-quality biofuel over the innovative Ni-Mo <sub>2</sub> N based catalyst. <i>Fuel</i> , 2022, 324, 124548.	6.4	9
20	Enhancing enzymatic hydrolysis efficiency of crop straws via tetrahydrofuran/water co-solvent pretreatment. <i>Bioresource Technology</i> , 2022, 358, 127428.	9.6	18
21	Enhanced pyrolysis of lignocellulosic biomass by room-temperature dilute sulfuric acid pretreatment. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 166, 105588.	5.5	12
22	Metabolomics revealed the photosynthetic performance and metabolomic characteristics of <i>Euglena gracilis</i> under autotrophic and mixotrophic conditions. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, .	3.6	1
23	One-step synthesis of highly active and stable Ni-ZrO <sub>2</sub> catalysts for the conversion of methyl laurate to alkanes. <i>Journal of Catalysis</i> , 2022, 413, 297-310.	6.2	20
24	One-pot chemo-catalytic conversion of glucose to methyl lactate over In <sup>3+</sup> -Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Catalysis Today</i> , 2021, 365, 249-256.	4.4	19
25	Study on the pyrolysis behaviour of the macroalga <i>Ulva prolifera</i> . <i>Journal of Applied Phycology</i> , 2021, 33, 91-99.	2.8	5
26	Conversion of polysaccharides in <i>Ulva prolifera</i> to valuable chemicals in the presence of formic acid. <i>Journal of Applied Phycology</i> , 2021, 33, 101-110.	2.8	7
27	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
28	The effect of support on nickel phosphide catalysts for one-pot conversion of jatropha oil into high grade hydrocarbons. <i>Catalysis Today</i> , 2021, 367, 83-94.	4.4	15
29	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
30	Direct hydroxylation of 1,4-dichlorobenzene to 2,5-dichlorophenol over Activated Carbon Catalysts. <i>ChemistrySelect</i> , 2021, 6, 239-248.	1.5	0
31	On the development of chrome-free tanning agents: an advanced Trojan horse strategy using Al <sup>3+</sup> -Zr-oligosaccharides <sup>TM</sup> produced by the depolymerization and oxidation of biomass. <i>Green Chemistry</i> , 2021, 23, 2640-2651.	9.0	23
32	Advanced masking agent for leather tanning from stepwise degradation and oxidation of cellulose. <i>Green Chemistry</i> , 2021, 23, 4044-4050.	9.0	32
33	Guanidine <sup>TM</sup> -Amide-Catalyzed Aza-Henry Reaction of Isatin-Derived Ketimines: Origin of Selectivity and New Catalyst Design. <i>Molecules</i> , 2021, 26, 1965.	3.8	1
34	Dry reforming of methane over Ni <sup>2+</sup> -ZrO <sub>x</sub> catalysts doped by manganese: On the effect of the stability of the structure during time on stream. <i>Applied Catalysis A: General</i> , 2021, 617, 118120.	4.3	17
35	Unexpected Formation of Organic Siloxanes alongside Ethylphenols in the Catalytic Hydrogenation of Waste Enzymatic Lignin. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100059.	5.8	2
36	Asymmetric [2+2] cycloaddition of isatin with ketene catalyzed by N, N'-dioxide-Sc(III) complex: Mechanism and selectivity. <i>Molecular Catalysis</i> , 2021, 510, 111657.	2.0	0

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37	Carbon resistance of xNi/HTASAO5 catalyst for the production of H <sub>2</sub> via CO <sub>2</sub> reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 20835-20847.	7.1	7
38	Insights into the Influence of ZrO <sub>2</sub> Crystal Structures on Methyl Laurate Hydrogenation over Co/ZrO <sub>2</sub> Catalysts. <i>ACS Catalysis</i> , 2021, 11, 7099-7113.	11.2	82
39	Effect of MgCl <sub>2</sub> solution pretreatment on pubescens conversion at room temperature. <i>Renewable Energy</i> , 2021, 171, 287-298.	8.9	7
40	Tailoring the yttrium content in Ni-Ce-Y/SBA-15 mesoporous silicas for CO <sub>2</sub> methanation. <i>Catalysis Today</i> , 2021, 382, 104-119.	4.4	16
41	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
42	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
43	Syngas Production via CO <sub>2</sub> Reforming of Methane over Aluminum-Promoted NiO@10Al <sub>2</sub> O <sub>3</sub> @ZrO <sub>2</sub> Catalyst. <i>ACS Omega</i> , 2021, 6, 22383-22394.	3.5	5
44	Pyrolysis of High-Ash Natural Microalgae from Water Blooms: Effects of Acid Pretreatment. <i>Toxins</i> , 2021, 13, 542.	3.4	6
45	Production of Nitrogen-Containing Compounds via the Conversion of Natural Microalgae from Water Blooms Catalyzed by ZrO <sub>2</sub> . <i>ChemSusChem</i> , 2021, 14, 3935-3944.	6.8	9
46	Mechanism and Selectivity of Cyclopropanation of 3-Alkenyl-oxindoles with Sulfoxonium Ylides Catalyzed by a Chiral N,N'-Dioxide-Mg(II) Complex. <i>Journal of Organic Chemistry</i> , 2021, 86, 11683-11697.	3.2	7
47	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
48	Selective Hydrogenation of the Carbonyls in Furfural and 5-Hydroxymethylfurfural Catalyzed by PtNi Alloy Supported on SBA-15 in Aqueous Solution Under Mild Conditions. <i>Frontiers in Chemistry</i> , 2021, 9, 759512.	3.6	14
49	Effect of metal triflates on the microwave-assisted catalytic hydrogenolysis of birch wood lignin to monophenolic compounds. <i>Industrial Crops and Products</i> , 2021, 167, 113515.	5.2	7
50	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
51	Efficient catalytic conversion of jatropha oil to high grade biofuel on Ni-Mo <sub>2</sub> C/MCM-41 catalysts with tuned surface properties. <i>Journal of Energy Chemistry</i> , 2021, 61, 425-435.	12.9	19
52	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
53	Effect of nickel salts on the production of biochar derived from alkali lignin: properties and applications. <i>Bioresource Technology</i> , 2021, 341, 125876.	9.6	16
54	Novel Preparation of Cu and Fe Zirconia Supported Catalysts for Selective Catalytic Reduction of NO with NH <sub>3</sub> . <i>Catalysts</i> , 2021, 11, 55.	3.5	8

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55	The Effect of Si on CO <sub>2</sub> Methanation over Ni-xSi/ZrO <sub>2</sub> Catalysts at Low Temperature. <i>Catalysts</i> , 2021, 11, 67.	3.5	5
56	Variation of rhizosphere microbial community in continuous mono-maize seed production. <i>Scientific Reports</i> , 2021, 11, 1544.	3.3	34
57	Effect of Ni(NO <sub>3</sub> ) <sub>2</sub> Pretreatment on the Pyrolysis of Organsolv Lignin Derived from Corn cob Residue. <i>Processes</i> , 2021, 9, 23.	2.8	8
58	Effect of cobalt promotion on hydrotalcite-derived nickel catalyst for CO <sub>2</sub> methanation. <i>Applied Materials Today</i> , 2021, 25, 101211.	4.3	11
59	The influence of solvent on the pyrolysis of organosolv lignins extracted from willow. <i>Energy Conversion and Management: X</i> , 2021, 13, 100139.	1.6	0
60	Treatment of methylene blue by mesoporous Fe/SiO <sub>2</sub> prepared from rice husk pyrolytic residues. <i>Catalysis Today</i> , 2020, 355, 529-538.	4.4	19
61	Mechanism study on asymmetric Michael addition reaction between alkynone and $\alpha$ -angelica lactone catalyzed by chiral N, N'-dioxide-Sc(III) complex. <i>Catalysis Today</i> , 2020, 355, 635-644.	4.4	3
62	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
63	Production of high-quality biofuel via ethanol liquefaction of pretreated natural microalgae. <i>Renewable Energy</i> , 2020, 147, 293-301.	8.9	42
64	Low temperature catalytic conversion of oligomers derived from lignin in pubescens on Pd/NbOPO <sub>4</sub> . <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118325.	20.2	49
65	A "Trojan horse strategy" for the development of a renewable leather tanning agent produced via an AlCl <sub>3</sub> -catalyzed cellulose depolymerization. <i>Green Chemistry</i> , 2020, 22, 316-321.	9.0	31
66	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
67	Formation and in situ separation of oligomeric products from complete depolymerization of pubescens using a catalyst-free biphasic system. <i>Cellulose</i> , 2020, 27, 1951-1964.	4.9	7
68	Influence of green solvent on levulinic acid production from lignocellulosic paper waste. <i>Bioresource Technology</i> , 2020, 298, 122544.	9.6	66
69	Nutrient and heavy metal removal from piggery wastewater and CH <sub>4</sub> enrichment in biogas based on microalgae cultivation technology under different initial inoculum concentration. <i>Water Environment Research</i> , 2020, 92, 922-933.	2.7	18
70	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
71	Conversion of saccharides in <i>enteromorpha prolifera</i> to furfurals in the presence of FeCl <sub>3</sub> . <i>Molecular Catalysis</i> , 2020, 484, 110729.	2.0	5
72	Asymmetric Cyanation of Activated Olefins with Ethyl Cyanofornate Catalyzed by Ti(IV)-Catalyst: A Theoretical Study. <i>Catalysts</i> , 2020, 10, 1079.	3.5	2

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73	CeZrO <sub>x</sub> Promoted Water-Gas Shift Reaction under Steam-Methane Reforming Conditions on Ni-HTASO <sub>5</sub> . <i>Catalysts</i> , 2020, 10, 1110.	3.5	3
74	Effects of MgCl <sub>2</sub> Solution Pretreatment at Room Temperature on the Pyrolytic Behavior of <i>Pubescens</i> and the Properties of Bio-oil Obtained. <i>Energy &amp; Fuels</i> , 2020, 34, 12665-12677.	5.1	5
75	Recent Advances in the Catalytic Depolymerization of Lignin towards Phenolic Chemicals: A Review. <i>ChemSusChem</i> , 2020, 13, 4296-4317.	6.8	207
76	Torrefaction at 200 °C of <i>Pubescens</i> Pretreated with AlCl <sub>3</sub> Aqueous Solution at Room Temperature. <i>ACS Omega</i> , 2020, 5, 27709-27722.	3.5	7
77	High yield and high concentration glucose production from corncob residues after tetrahydrofuran + H <sub>2</sub> O co-solvent pretreatment and followed by enzymatic hydrolysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110107.	16.4	28
78	Ni-Fe Catalysts Supported on γ-Al <sub>2</sub> O <sub>3</sub> /HZSM-5 for Transformation of Palmitic Acid into Hydrocarbon Fuel. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 17373-17386.	3.7	28
79	Efficient Depolymerization of Cellulosic Paper Towel Waste Using Organic Carbonate Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13100-13110.	6.7	18
80	Reductive catalytic fractionation of lignin in birch sawdust to monophenolic compounds with high selectivity. <i>Molecular Catalysis</i> , 2020, 495, 111164.	2.0	18
81	Selectivity control in inverse electron demand Diels-Alder reaction of <i>o</i> -Quinone methides catalyzed by chiral N,N'-Dioxide-Sc(III) complex. <i>Molecular Catalysis</i> , 2020, 498, 111242.	2.0	2
82	Removal of pollutants from biogas slurry and CO <sub>2</sub> capture in biogas by microalgae-based technology: a systematic review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28749-28767.	5.3	29
83	Study of glucose isomerisation to fructose over three heterogeneous carbon-based aluminium-impregnated catalysts. <i>Journal of Cleaner Production</i> , 2020, 268, 122378.	9.3	14
84	One-Step Synthesis of Highly Active and Stable Ni-ZrO <sub>x</sub> for Dry Reforming of Methane. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 11441-11452.	3.7	46
85	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
86	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
87	The effect of sodium chloride concentration on the mutarotation and structure of d-xylose in water: Experimental and theoretical investigation. <i>Carbohydrate Research</i> , 2020, 489, 107941.	2.3	5
88	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
89	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
90	The Roles of H <sub>2</sub> O/Tetrahydrofuran System in Lignocellulose Valorization. <i>Frontiers in Chemistry</i> , 2020, 8, 70.	3.6	16

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91	$\delta^3$ -Valerolactone Production from Furfural Residue with Formic Acid as the Sole Hydrogen Resource via an Integrated Strategy on Au-Ni/ZrO <sub>2</sub> . Industrial & Engineering Chemistry Research, 2020, 59, 17228-17238.	3.7	15
92	Steam reforming of CH <sub>4</sub> at low temperature on Ni/ZrO <sub>2</sub> catalyst: Effect of H <sub>2</sub> O/CH <sub>4</sub> ratio on carbon deposition. International Journal of Hydrogen Energy, 2020, 45, 14281-14292.	7.1	30
93	Biorenewable hydrogen production through biomass gasification: A review and future prospects. Environmental Research, 2020, 186, 109547.	7.5	280
94	Roles of water and aluminum sulfate for selective dissolution and utilization of hemicellulose to develop sustainable corn stover-based biorefinery. Renewable and Sustainable Energy Reviews, 2020, 122, 109724.	16.4	16
95	Room temperature pretreatment of pubescens by AlCl <sub>3</sub> aqueous solution. Journal of Energy Chemistry, 2019, 31, 138-147.	12.9	6
96	The production of furfural directly from hemicellulose in lignocellulosic biomass: A review. Catalysis Today, 2019, 319, 14-24.	4.4	281
97	Theoretical Study on Asymmetric [2 + 2] Cycloaddition of an Alkynone with a Cyclic Enol Silyl Ether Catalyzed by a Chiral $\delta^2$ -Dioxide-Zn(II) Complex. Organometallics, 2019, 38, 3111-3123.	2.3	5
98	Identification and structural characterization of oligomers formed from the pyrolysis of biomass. Journal of Analytical and Applied Pyrolysis, 2019, 144, 104696.	5.5	22
99	Cooperative Catalysis of Chiral Guanidine and Rh <sub>2</sub> (OAc) <sub>4</sub> in Asymmetric O-H Insertion of Carboxylic Acid: A Theoretical Investigation. Journal of Organic Chemistry, 2019, 84, 15020-15031.	3.2	11
100	Comparative adsorption of remazol brilliant blue R and copper in aqueous solutions by carbon nanotubes with different levels of carboxyl group and specific surface area. Materials Research Express, 2019, 6, 1050e2.	1.6	6
101	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. International Journal of Environmental Research and Public Health, 2019, 16, 2861.	2.6	23
102	D-Excess-LaA Production Directly from Biomass by Trivalent Yttrium Species. IScience, 2019, 12, 132-140.	4.1	19
103	Effects of ZnO nanoparticles on the toxicity of cadmium to duckweed Lemna minor. Science of the Total Environment, 2019, 662, 697-702.	8.0	21
104	Transformation of Jatropha Oil into High-Quality Biofuel over Ni-W Bimetallic Catalysts. ACS Omega, 2019, 4, 10580-10592.	3.5	22
105	Co-pelletization of microalgae and fungi for efficient nutrient purification and biogas upgrading. Bioresource Technology, 2019, 289, 121656.	9.6	67
106	To distinguish the primary characteristics of agro-waste biomass by the principal component analysis: An investigation in East China. Waste Management, 2019, 90, 100-120.	7.4	12
107	Graphite oxide- and graphene oxide-supported catalysts for microwave-assisted glucose isomerisation in water. Green Chemistry, 2019, 21, 4341-4353.	9.0	80
108	Selective Conversion of Hemicellulose in Macroalgae <i>Enteromorpha prolifera</i> to Rhamnose. ACS Omega, 2019, 4, 7023-7028.	3.5	14

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109	Influence of three microalgal-based cultivation technologies on different domestic wastewater and biogas purification in photobioreactor. <i>Water Environment Research</i> , 2019, 91, 679-688.	2.7	6
110	A one-pot microwave-assisted NaCl/H <sub>2</sub> 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
111	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
112	Catalytic depolymerization of organosolv lignin to phenolic monomers and low molecular weight oligomers. <i>Fuel</i> , 2019, 244, 247-257.	6.4	76
113	Highly Carbon-Resistant Y Doped NiO-ZrO <sub>m</sub> Catalysts for Dry Reforming of Methane. <i>Catalysts</i> , 2019, 9, 1055.	3.5	25
114	Adsorption of Cu <sup>2+</sup> , Pb <sup>2+</sup> , and Cd <sup>2+</sup> onto oiltea shell from water. <i>Bioresource Technology</i> , 2019, 271, 487-491.	9.6	70
115	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
116	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
117	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
118	The effect of NH <sub>3</sub> -H <sub>2</sub> O addition in Ni/SBA-15 catalyst preparation on its performance for carbon dioxide reforming of methane to produce H <sub>2</sub> . <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13921-13930.	7.1	23
119	Sodium Chloride-Assisted Depolymerization of Xylo-oligomers to Xylose. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4098-4104.	6.7	43
120	Theoretical Investigation on Direct Vinylogous Aldol Reaction of Isatin Catalyzed by Chiral- N , N' -dioxide Sc(III) Complex. <i>Molecular Catalysis</i> , 2018, 453, 22-30.	2.0	1
121	Mechanism and Origins of Stereinduction in an Asymmetric Friedel-Crafts Alkylation Reaction of Chalcone Catalyzed by Chiral N,N'-Dioxide-Sc(III) Complex. <i>Journal of Organic Chemistry</i> , 2018, 83, 4628-4640.	3.2	10
122	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
123	Mechanistic understanding of salt-assisted autocatalytic hydrolysis of cellulose. <i>Sustainable Energy and Fuels</i> , 2018, 2, 936-940.	4.9	57
124	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
125	Low-temperature catalytic CO <sub>2</sub> dry reforming of methane on Ni-based catalysts: A review. <i>Fuel Processing Technology</i> , 2018, 169, 199-206.	7.2	275
126	Effect of Tetrahydrofuran on the Solubilization and Depolymerization of Cellulose in a Biphasic System. <i>ChemSusChem</i> , 2018, 11, 397-405.	6.8	36



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127	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
128	Structure characterization and pyrolysis behavior of organosolv lignin isolated from corncob residue. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 136, 115-124.	5.5	33
129	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
130	Effects of $\gamma$ -Valerolactone/ $H_2O$ Solvent on the Degradation of <i>pubescens</i> for Its Fulllest Utilization. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6094-6103.	5.2	22
131	Mechanistic investigations on asymmetric N-H insertion of amines catalyzed by palladium-chiral guanidine complex. <i>Journal of Catalysis</i> , 2018, 364, 426-436.	6.2	11
132	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
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