

# Guang-Zhi Hu

## List of Publications by Year in descending order

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214  
papers

12,001  
citations

21215

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40945

97  
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215  
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215  
docs citations

215  
times ranked

12539  
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-performance transition-metal phosphide electrocatalyst for converting solar energy into hydrogen at 19.6% STH efficiency. , 2023, 5, .		22
2	Single-atom Co embedded in BCN matrix to achieve 100% conversion of peroxymonosulfate into singlet oxygen. Applied Catalysis B: Environmental, 2022, 300, 120759.	10.8	78
3	Co-pyrolysis of coke bottle wastes with cellulose, lignin and sawdust: Impacts of the mixed feedstock on char properties. Renewable Energy, 2022, 181, 1126-1139.	4.3	48
4	Atomic-dispersed copper simultaneously achieve high-efficiency removal and high-value-added conversion to ammonia of nitrate in sewage. Journal of Hazardous Materials, 2022, 424, 127319.	6.5	43
5	Efficient pH-universal degradation of antibiotic tetracycline via Co <sub>2</sub> P decorated Neosinocalamus affinis biochar. Chemosphere, 2022, 286, 131759.	4.2	27
6	Boron modulating electronic structure of FeN <sub>4</sub> C to initiate high-efficiency oxygen reduction reaction and high-performance zinc-air battery. Journal of Energy Chemistry, 2022, 66, 514-524.	7.1	69
7	Amorphous cobalt oxide decorated halloysite nanotubes for efficient sulfamethoxazole degradation activated by peroxymonosulfate. Journal of Colloid and Interface Science, 2022, 607, 857-868.	5.0	25
8	Separable lanthanum-based porous PAN nanofiber membrane for effective aqueous phosphate removal. Chemical Engineering Journal, 2022, 433, 133538.	6.6	20
9	Advances of the functionalized carbon nitrides for electrocatalysis. , 2022, 4, 211-236.		33
10	Increased crystallinity of RuSe <sub>2</sub> /carbon nanotubes for enhanced electrochemical hydrogen generation performance. Nanoscale, 2022, 14, 790-796.	2.8	17
11	Electrochemical deposited amorphous FeNi hydroxide electrode for oxygen evolution reaction. Journal of Energy Chemistry, 2022, 69, 585-592.	7.1	77
12	Hydrothermal carbonization of cellulose in aqueous phase of bio-oil: The significant impacts on properties of hydrochar. Fuel, 2022, 315, 123132.	3.4	35
13	Pd nanocrystals embedded in BC <sub>2</sub> N for efficient electrochemical conversion of nitrate to ammonia. Applied Surface Science, 2022, 584, 152556.	3.1	18
14	The effect of graphene photocatalysis on microbial communities in Lake Xingyun, southwestern China. Environmental Science and Pollution Research, 2022, 29, 48851-48868.	2.7	3
15	Synthesis and application of silver and copper nanowires in high transparent solar cells. , 2022, 1, 100045.		11
16	Effects of volatiles on properties of char during sequential pyrolysis of PET and cellulose. Renewable Energy, 2022, 189, 139-151.	4.3	16
17	[CH <sub>3</sub> NH <sub>3</sub> ][M(HCOO) <sub>3</sub> ]-based 2D porous NiCo <sub>2</sub> S <sub>4</sub> nanosheets for high-performance supercapacitors with high power densities. Chemical Engineering Journal, 2022, 437, 135337.	6.6	16
18	Artificial chloroplast-like phosphotungstic acid "iron oxide microbox heterojunctions penetrated by carbon nanotubes for solar photocatalytic degradation of tetracycline antibiotics in wastewater. Advanced Composites and Hybrid Materials, 2022, 5, 3158-3175.	9.9	35

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19	Atom-dispersed copper and nano-palladium in the boron-carbon-nitrogen matrix cooperate to realize the efficient purification of nitrate wastewater and the electrochemical synthesis of ammonia. <i>Journal of Hazardous Materials</i> , 2022, 434, 128909.	6.5	21
20	Understanding evolution of the products and emissions during chemical activation of furfural residue with varied potassium salts. <i>Journal of Cleaner Production</i> , 2022, 357, 131936.	4.6	12
21	Sensitive and selective electrochemical determination of uric acid in urine based on ultrasmall iron oxide nanoparticles decorated urchin-like nitrogen-doped carbon. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112538.	2.5	99
22	Impacts of temperature on hydrophilicity/functionalities of char and evolution of bio-oil/gas in pyrolysis of pig manure. <i>Fuel</i> , 2022, 323, 124330.	3.4	10
23	CO <sub>2</sub> methanation over Ni/ZSM-5 catalysts: The effects of support morphology and La <sub>2</sub> O <sub>3</sub> modification. <i>Fuel</i> , 2022, 324, 124679.	3.4	16
24	Simultaneously promoting charge and mass transports in carved particle-in-box nanoreactor for rechargeable Zn-air battery. <i>Chemical Engineering Journal</i> , 2022, 446, 137210.	6.6	22
25	Cu Nanoparticle-Decorated Boron- <sup>13</sup> C-Nitrogen Nanosheets for Electrochemical Determination of Chloramphenicol. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 28956-28964.	4.0	17
26	Influence of asphalt-derived volatiles on property of the biochar from pyrolysis of sawdust. <i>Fuel Processing Technology</i> , 2022, 234, 107343.	3.7	7
27	Nickel-induced charge redistribution in Ni-Fe/Fe <sub>3</sub> C@nitrogen-doped carbon nanocage as a robust Mott-Schottky bi-functional oxygen catalyst for rechargeable Zn-air battery. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 521-531.	5.0	22
28	Amorphous Co@TiO <sub>2</sub> heterojunctions: A high-performance and stable catalyst for the efficient degradation of sulfamethazine via peroxymonosulfate activation. <i>Chemosphere</i> , 2022, 307, 135681.	4.2	1
29	Recent advances in non-noble metal-based bifunctional electrocatalysts for overall seawater splitting. <i>Journal of Alloys and Compounds</i> , 2022, 922, 166113.	2.8	66
30	Pyrolysis of cellulose: Evolution of functionalities and structure of bio-char versus temperature. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110416.	8.2	103
31	Increasing Electrocatalytic Oxygen Evolution Efficiency through Cobalt-Induced Intrastructural Enhancement and Electronic Structure Modulation. <i>ChemSusChem</i> , 2021, 14, 467-478.	3.6	33
32	Efficient alcohol fuel oxidation catalyzed by a novel Pt/Se catalyst. <i>Chemical Communications</i> , 2021, 57, 199-202.	2.2	27
33	Atomic Fe-Zn dual-metal sites for high-efficiency pH-universal oxygen reduction catalysis. <i>Nano Research</i> , 2021, 14, 1374-1381.	5.8	148
34	Application of DGT/DIFS to assess bioavailable Cd to maize and its release in agricultural soils. <i>Journal of Hazardous Materials</i> , 2021, 411, 124837.	6.5	19
35	Double functionalization strategy toward Co-Fe-P hollow nanocubes for highly efficient overall water splitting with ultra-low cell voltage. <i>Chemical Engineering Journal</i> , 2021, 405, 127002.	6.6	73
36	Progress of using biochar as a catalyst in thermal conversion of biomass. <i>Reviews in Chemical Engineering</i> , 2021, 37, 229-258.	2.3	26

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37	Nitrogen dopant induced highly selective CO <sub>2</sub> reduction over lotus-leaf shaped ZnO nanorods. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4225-4230.	3.2	20
38	The janus in monodispersed catalysts: synergetic interactions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5276-5295.	5.2	7
39	Metal-Free Bifunctional Ordered Mesoporous Carbon for Reversible Zn-CO <sub>2</sub> Batteries. <i>Small Methods</i> , 2021, 5, e2001039.	4.6	60
40	Copper confined in vesicle-like BCN cavities promotes electrochemical reduction of nitrate to ammonia in water. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23675-23686.	5.2	42
41	In Situ Electrochemical Fabrication of Ultrasmall Ru-Based Nanoparticles for Robust N <sub>2</sub> H <sub>4</sub> Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8488-8496.	4.0	7
42	Single atom catalyst for electrocatalysis. <i>Chinese Chemical Letters</i> , 2021, 32, 2947-2962.	4.8	43
43	Co-presence of hydrophilic and hydrophobic sites in Ni/biochar catalyst for enhancing the hydrogenation activity. <i>Fuel</i> , 2021, 293, 120426.	3.4	17
44	Engineered Polymeric Carbon Nitride Additive for Energy Storage Materials: A Review. <i>Advanced Functional Materials</i> , 2021, 31, 2102300.	7.8	26
45	Sequence of Ni/SiO <sub>2</sub> and Cu/SiO <sub>2</sub> in dual catalyst bed significantly impacts coke properties in glycerol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 26367-26380.	3.8	13
46	3D Melamine Sponge-Derived Cobalt Nanoparticle-Embedded N-Doped Carbon Nanocages as Efficient Electrocatalysts for the Oxygen Reduction Reaction. <i>ACS Omega</i> , 2021, 6, 20130-20138.	1.6	1
47	Comprehensive Understanding of the Thriving Ambient Electrochemical Nitrogen Reduction Reaction. <i>Advanced Materials</i> , 2021, 33, e2007650.	11.1	229
48	Magnetically separable NiFe <sub>2</sub> O <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> /Ag <sub>2</sub> VO <sub>2</sub> direct Z-scheme heterostructure with enhanced visible-light photoactivity. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2976-2985.	1.6	19
49	Pyrolysis of soybean residue: Understanding characteristics of the products. <i>Renewable Energy</i> , 2021, 174, 487-500.	4.3	17
50	Pyrolysis of flaxseed residue: Exploration of characteristics of the biochar and bio-oil products. <i>Journal of the Energy Institute</i> , 2021, 97, 1-12.	2.7	25
51	Co/MoC Nanoparticles Embedded in Carbon Nanoboxes as Robust Trifunctional Electrocatalysts for a Zn-Air Battery and Water Electrocatalysis. <i>ACS Nano</i> , 2021, 15, 13399-13414.	7.3	141
52	NiCo <sub>2</sub> O <sub>4</sub> hollow microsphere-mediated ultrafast peroxymonosulfate activation for dye degradation. <i>Chinese Chemical Letters</i> , 2021, 32, 2495-2498.	4.8	23
53	CoFe <sub>2</sub> O <sub>4</sub> CoFe microspheres for simultaneous electrochemical determination of trace lead(II) and cadmium(II) ions. <i>Surfaces and Interfaces</i> , 2021, 25, 101266.	1.5	9
54	PdNi/N-doped graphene aerogel with over wide potential activity for formic acid electrooxidation. <i>Journal of Energy Chemistry</i> , 2021, 59, 748-754.	7.1	79

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55	Mesopore-rich badam-shell biochar for efficient adsorption of Cr(VI) from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105634.	3.3	36
56	Bifunctional heterostructured nitrogen and phosphorus co-doped carbon-layer-encapsulated Co <sub>2</sub> P electrocatalyst for efficient water splitting. <i>Cell Reports Physical Science</i> , 2021, 2, 100586.	2.8	13
57	Glycosyl/MOF-5-based carbon nanofibers for highly sensitive detection of anti-bacterial drug quercetin. <i>Surfaces and Interfaces</i> , 2021, 27, 101488.	1.5	11
58	Persistent radical pairs trigger nano-gold to highly efficiently and highly selectively drive the value-added conversion of nitroaromatics. <i>Chem Catalysis</i> , 2021, 1, 1118-1132.	2.9	10
59	Exploring the influence of nickel precursors on constructing efficient Ni-based CO <sub>2</sub> methanation catalysts assisted with in-situ technologies. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120486.	10.8	37
60	Two-dimensional BCN nanosheets self-assembled with hematite nanocrystals for sensitively detecting trace toxic Pb(II) ions in natural water. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112745.	2.9	14
61	Single-atom niobium doped BCN nanotubes for highly sensitive electrochemical detection of nitrobenzene. <i>RSC Advances</i> , 2021, 11, 28988-28995.	1.7	19
62	Rapid simultaneous removal of cationic dyes and Cr(VI) by boron cluster polyaniline with a target site. <i>Chemical Communications</i> , 2021, 57, 7569-7572.	2.2	8
63	Ethanol steam reforming over cobalt catalysts: Effect of a range of additives on the catalytic behaviors. <i>Journal of the Energy Institute</i> , 2020, 93, 165-184.	2.7	24
64	Impacts of La addition on formation of the reaction intermediates over alumina and silica supported nickel catalysts in methanation of CO <sub>2</sub> . <i>Journal of the Energy Institute</i> , 2020, 93, 723-738.	2.7	27
65	Steam reforming of typical small organics derived from bio-oil: Correlation of their reaction behaviors with molecular structures. <i>Fuel</i> , 2020, 259, 116214.	3.4	30
66	Steam reforming of acetic acid over nickel catalysts: Impacts of fourteen additives on the catalytic behaviors. <i>Journal of the Energy Institute</i> , 2020, 93, 1000-1019.	2.7	19
67	Oxygen Reduction Reactions on Single- or Few-Atom Discrete Active Sites for Heterogeneous Catalysis. <i>Advanced Energy Materials</i> , 2020, 10, 1902084.	10.2	82
68	Steam reforming of acetic acid over Ni-Ba/Al <sub>2</sub> O <sub>3</sub> catalysts: Impacts of barium addition on coking behaviors and formation of reaction intermediates. <i>Journal of Energy Chemistry</i> , 2020, 43, 208-219.	7.1	38
69	Impacts of temperature on evolution of char structure during pyrolysis of lignin. <i>Science of the Total Environment</i> , 2020, 699, 134381.	3.9	52
70	Soft-templated mesoporous carbon-modified glassy carbon electrode for sensitive and selective detection of aristolochic acids. <i>Journal of Hazardous Materials</i> , 2020, 385, 121550.	6.5	18
71	Methanation of CO <sub>2</sub> over nickel catalysts: Impacts of acidic/basic sites on formation of the reaction intermediates. <i>Fuel</i> , 2020, 262, 116521.	3.4	59
72	Selective conversion of furfural into value-added chemical commodity in successive fixed-bed reactors. <i>Catalysis Communications</i> , 2020, 135, 105836.	1.6	12

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73	Self-templated nitrogen-doped mesoporous carbon decorated with double transition-metal active sites for enhanced oxygen electrode catalysis. <i>Rare Metals</i> , 2020, 39, 824-833.	3.6	45
74	Electrochemical oxygen evolution reaction efficiently boosted by selective fluoridation of FeNi <sub>3</sub> alloy/oxide hybrid. <i>Journal of Energy Chemistry</i> , 2020, 47, 166-171.	7.1	104
75	Ni-Co bimetallic coordination effect for long lifetime rechargeable Zn-air battery. <i>Journal of Energy Chemistry</i> , 2020, 47, 146-154.	7.1	50
76	Silica of varied pore sizes as supports of copper catalysts for hydrogenation of furfural and phenolics: Impacts of steric hindrance. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2720-2728.	3.8	9
77	Hierarchically Ordered Porous Carbon with Atomically Dispersed FeN <sub>4</sub> for Ultraefficient Oxygen Reduction Reaction in Proton-Exchange Membrane Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2688-2694.	7.2	355
78	Hierarchically Ordered Porous Carbon with Atomically Dispersed FeN <sub>4</sub> for Ultraefficient Oxygen Reduction Reaction in Proton-Exchange Membrane Fuel Cells. <i>Angewandte Chemie</i> , 2020, 132, 2710-2716.	1.6	36
79	Methanation of CO <sub>2</sub> over alumina supported nickel or cobalt catalysts: Effects of the coordination between metal and support on formation of the reaction intermediates. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 531-543.	3.8	55
80	Electrochemical determination of chloramphenicol and metronidazole by using a glassy carbon electrode modified with iron, nitrogen co-doped nanoporous carbon derived from a metal-organic framework (type Fe/ZIF-8). <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111066.	2.9	58
81	Electrochemical Determination of Metronidazole Using a Glassy Carbon Electrode Modified with Nanoporous Bimetallic Carbon Derived from a ZnCo-Based Metal-Organic Framework. <i>Journal of the Electrochemical Society</i> , 2020, 167, 116513.	1.3	26
82	Sulfated attapulgite for catalyzing the conversion of furfuryl alcohol to ethyl levulinate: Impacts of sulfonation on structural transformation and evolution of acidic sites on the catalyst. <i>Renewable Energy</i> , 2020, 162, 1576-1586.	4.3	16
83	Catalytic pyrolysis of tire waste: Impacts of biochar catalyst on product evolution. <i>Waste Management</i> , 2020, 116, 9-21.	3.7	46
84	Pyrolysis of saw dust with co-feeding of methanol. <i>Renewable Energy</i> , 2020, 160, 1023-1035.	4.3	18
85	Mesoporous Ce-Zr solid solutions supported Ni-based catalysts for low-temperature CO <sub>2</sub> methanation by tuning the reaction intermediates. <i>Fuel</i> , 2020, 282, 118813.	3.4	28
86	Progress of the applications of bio-oil. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110124.	8.2	154
87	Progress of the development of reactors for pyrolysis of municipal waste. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5885-5915.	2.5	32
88	Pyrolysis of herb waste: Effects of extraction pretreatment on characteristics of bio-oil and biochar. <i>Biomass and Bioenergy</i> , 2020, 143, 105801.	2.9	13
89	Recent Progresses in the Design and Fabrication of Highly Efficient Ni-Based Catalysts With Advanced Catalytic Activity and Enhanced Anti-coke Performance Toward CO <sub>2</sub> Reforming of Methane. <i>Frontiers in Chemistry</i> , 2020, 8, 581923.	1.8	16
90	Mimicking Hydrazine Dehydrogenase for Efficient Electrocatalytic Oxidation of N <sub>2</sub> H <sub>4</sub> by Fe-NC. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 38183-38191.	4.0	13

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91	Sustainability Perspective-Oriented Synthetic Strategy for Zinc Single-Atom Catalysts Boosting Electrocatalytic Reduction of Carbon Dioxide and Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13813-13822.	3.2	35
92	Inside Front Cover: Rh <sub>2</sub> S <sub>3</sub> /N-Doped Carbon Hybrids as pH-Universal Bifunctional Electrocatalysts for Energy-Saving Hydrogen Evolution (Small Methods 9/2020). <i>Small Methods</i> , 2020, 4, 2070035.	4.6	0
93	Engineering Atomic Sites via Adjacent Dual-Metal Sub-Nanoclusters for Efficient Oxygen Reduction Reaction and Zn-Air Battery. <i>Small</i> , 2020, 16, e2004855.	5.2	53
94	Synergistically boosting the oxygen evolution reaction of an Fe-MOF <i>via</i> Ni doping and fluorination. <i>Chemical Communications</i> , 2020, 56, 7889-7892.	2.2	56
95	Evolution of the functional groups/structures of biochar and heteroatoms during the pyrolysis of seaweed. <i>Algal Research</i> , 2020, 48, 101900.	2.4	43
96	Coke Formation during Thermal Treatment of Bio-oil. <i>Energy &amp; Fuels</i> , 2020, 34, 7863-7914.	2.5	123
97	Mesoporous PdAg Nanospheres for Stable Electrochemical CO <sub>2</sub> Reduction to Formate. <i>Advanced Materials</i> , 2020, 32, e2000992.	11.1	153
98	Impacts of metal loading in Ni/attapulgitite on distribution of the alkalinity sites and reaction intermediates in CO <sub>2</sub> methanation reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16153-16160.	3.8	10
99	Isolated single-atom Pt sites for highly selective electrocatalytic hydrogenation of formaldehyde to methanol. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8913-8919.	5.2	33
100	Production of bio-fuel from plant oil asphalt via pyrolysis. <i>Journal of the Energy Institute</i> , 2020, 93, 1763-1772.	2.7	8
101	Evolution of the functionalities and structures of biochar in pyrolysis of poplar in a wide temperature range. <i>Bioresource Technology</i> , 2020, 304, 123002.	4.8	104
102	Overall water-splitting reaction efficiently catalyzed by a novel bi-functional Ru/Ni <sub>3</sub> N-Ni electrode. <i>Chemical Communications</i> , 2020, 56, 2352-2355.	2.2	71
103	The loss of ZnO as the support for metal catalysts by H <sub>2</sub> reduction. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3953-3958.	1.3	8
104	Recent Progresses in Constructing the Highly Efficient Ni Based Catalysts With Advanced Low-Temperature Activity Toward CO <sub>2</sub> Methanation. <i>Frontiers in Chemistry</i> , 2020, 8, 269.	1.8	85
105	Pyrolysis of cellulose with co-feeding of formic or acetic acid. <i>Cellulose</i> , 2020, 27, 4909-4929.	2.4	9
106	Dynamic co-catalysis of Au single atoms and nanoporous Au for methane pyrolysis. <i>Nature Communications</i> , 2020, 11, 1919.	5.8	65
107	Rh <sub>2</sub> S <sub>3</sub> /N-Doped Carbon Hybrids as pH-Universal Bifunctional Electrocatalysts for Energy-Saving Hydrogen Evolution. <i>Small Methods</i> , 2020, 4, 2000208.	4.6	45
108	Steam reforming of guaiacol over Ni/SiO <sub>2</sub> catalyst modified with basic oxides: Impacts of alkalinity on properties of coke. <i>Energy Conversion and Management</i> , 2020, 205, 112301.	4.4	40

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109	Ru Nanoclusters Coupled on Co/N-Doped Carbon Nanotubes Efficiently Catalyzed the Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9136-9144.	3.2	86
110	A mini review of the specialties of the bio-oils produced from pyrolysis of 20 different biomasses. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 114, 109313.	8.2	83
111	N, S, P-Triple Doped Porous Carbon as an Improved Electrochemical Sensor for Metronidazole Determination. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1131-B1137.	1.3	18
112	Boosting hydrogen evolution activity of vanadyl pyrophosphate nanosheets for electrocatalytic overall water splitting. <i>Chemical Communications</i> , 2019, 55, 10511-10514.	2.2	22
113	Differential pulse voltammetry detection of Pb(II) using nitrogen-doped activated nanoporous carbon from almond shells. <i>RSC Advances</i> , 2019, 9, 23678-23685.	1.7	18
114	Copper-based catalysts with tunable acidic and basic sites for the selective conversion of levulinic acid/ester to $\gamma$ -valerolactone or 1,4-pentanediol. <i>Green Chemistry</i> , 2019, 21, 4499-4511.	4.6	123
115	Design of graphene oxide by a one-pot synthetic route for catalytic conversion of furfural alcohol to ethyl levulinate. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3093-3101.	1.6	14
116	Study of the properties and mechanism of deep reduction and efficient adsorption of Cr(VI) by low-cost Fe <sub>3</sub> O <sub>4</sub> -modified ceramsite. <i>Science of the Total Environment</i> , 2019, 688, 994-1004.	3.9	61
117	Mn-doped Co <sub>3</sub> O <sub>4</sub> nanoarrays as a promising electrocatalyst for oxygen evolution reaction. <i>Materials Research Express</i> , 2019, 6, 115033.	0.8	11
118	Cross-interaction during Co-gasification of wood, weed, plastic, tire and carton. <i>Journal of Environmental Management</i> , 2019, 250, 109467.	3.8	38
119	Effects of Al <sub>3</sub> Ti <sub>3</sub> B <sub>1</sub> master alloy on the microstructure, mechanical properties and electrical properties of Al <sub>9</sub> Si <sub>0.5</sub> Mg casting alloy. <i>Materials Research Express</i> , 2019, 6, 126523.	0.8	3
120	Simultaneous Determination of Dopamine and Uric Acid using Glassy Carbon Electrode Modified with Almond-Shell-Based Nanoporous Carbon. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1171-B1178.	1.3	17
121	Rapid Microwave-Assisted Synthesis of Copper Decorated Carbon Black Nanocomposite for Non-Enzyme Glucose Sensing in Human Blood. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1238-B1244.	1.3	15
122	Recent Developments in Polymeric Carbon Nitride-Derived Photocatalysts and Electrocatalysts for Nitrogen Fixation. <i>ACS Catalysis</i> , 2019, 9, 10260-10278.	5.5	116
123	High yields of solid carbonaceous materials from biomass. <i>Green Chemistry</i> , 2019, 21, 1128-1140.	4.6	103
124	Designing and Fabricating Ordered Mesoporous Metal Oxides for CO <sub>2</sub> Catalytic Conversion: A Review and Prospect. <i>Materials</i> , 2019, 12, 276.	1.3	29
125	Advances in constructing polymeric carbon-nitride-based nanocomposites and their applications in energy chemistry. <i>Sustainable Energy and Fuels</i> , 2019, 3, 611-655.	2.5	47
126	Biomass pyrolysis: A review of the process development and challenges from initial researches up to the commercialisation stage. <i>Journal of Energy Chemistry</i> , 2019, 39, 109-143.	7.1	412



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127	Taraxacum-like Mg-Al-Si@porous carbon nanoclusters for electrochemical rutin detection. <i>Mikrochimica Acta</i> , 2019, 186, 379.	2.5	29
128	Methanation of CO <sub>2</sub> : Impacts of modifying nickel catalysts with variable-valence additives on reaction mechanism. <i>Fuel</i> , 2019, 254, 115654.	3.4	46
129	Nanocrystal supracrystal-derived atomically dispersed Mn-Fe catalysts with enhanced oxygen reduction activity. <i>Nano Energy</i> , 2019, 63, 103851.	8.2	85
130	Double-shelled yolk-shell Si@C microspheres based electrochemical sensor for determination of cadmium and lead ions. <i>Analytica Chimica Acta</i> , 2019, 1078, 32-41.	2.6	24
131	Nitrogen-Doped Carbon Nanotube@Graphene Frameworks with Encapsulated Fe/Fe <sub>3</sub> N Nanoparticles as Catalysts for Oxygen Reduction. <i>ACS Applied Nano Materials</i> , 2019, 2, 3538-3547.	2.4	53
132	Glassy Carbon Electrode Modified via Molybdenum Disulfide Decorated Multiwalled Carbon Nanotubes for Sensitive Voltammetric Detection of Aristolochic Acids. <i>Electroanalysis</i> , 2019, 31, 1390-1400.	1.5	7
133	Understanding correlation of the interaction between nickel and alumina with the catalytic behaviors in steam reforming and methanation. <i>Fuel</i> , 2019, 250, 176-193.	3.4	56
134	Steam reforming of guaiacol over Ni/Al <sub>2</sub> O <sub>3</sub> and Ni/SBA-15: Impacts of support on catalytic behaviors of nickel and properties of coke. <i>Fuel Processing Technology</i> , 2019, 191, 138-151.	3.7	78
135	Methanation of CO <sub>2</sub> over Ni/Al <sub>2</sub> O <sub>3</sub> modified with alkaline earth metals: Impacts of oxygen vacancies on catalytic activity. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 8197-8213.	3.8	99
136	Impacts of nickel loading on properties, catalytic behaviors of Ni <sup>3+</sup> /Al <sub>2</sub> O <sub>3</sub> catalysts and the reaction intermediates formed in methanation of CO <sub>2</sub> . <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9291-9306.	3.8	116
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