

# Guozhong Wang

## List of Publications by Year in descending order

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188  
papers

10,638  
citations

25034

57  
h-index

40979

93  
g-index

192  
all docs

192  
docs citations

192  
times ranked

13115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron covalent doping in $Wb_2$ to boost its hydrogen evolution activity. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 524-530.	6.0	8
2	Ambient Electrochemical Nitrogen Fixation over a Bifunctional $Mo_2C_4$ Site Catalyst. <i>Journal of Physical Chemistry C</i> , 2022, 126, 965-973.	3.1	15
3	hcp-phased Ni nanoparticles with generic catalytic hydrogenation activities toward different functional groups. <i>Science China Materials</i> , 2022, 65, 1252-1261.	6.3	5
4	Hollow carbon sphere encapsulated nickel nanoreactor for aqueous-phase hydrogenation-rearrangement tandem reaction with enhanced catalytic performance. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121140.	20.2	22
5	Simultaneous Separation and Recovery of Gold and Copper from Electronic Waste Enabled by an Asymmetric Electrochemical System. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 9544-9556.	8.0	15
6	The Sorption of Sulfamethoxazole by Aliphatic and Aromatic Carbons from Lignocellulose Pyrolysis. <i>Agronomy</i> , 2022, 12, 476.	3.0	2
7	Trimetallic Sulfide Hollow Superstructures with Engineered $\delta$ -Band Center for Oxygen Reduction to Hydrogen Peroxide in Alkaline Solution. <i>Advanced Science</i> , 2022, 9, e2104768.	11.2	26
8	Bacterial cellulose hybrid membrane grafted with high ratio of adipic dihydrazide for highly efficient and selective recovery of gold from e-waste. <i>Separation and Purification Technology</i> , 2022, 292, 121021.	7.9	14
9	Facile synthesis of N, P co-doped carbon encapsulated Ni catalyst for green production of cyclopentanone from biomass derivative furfural. <i>Fuel</i> , 2022, 319, 123815.	6.4	9
10	A freestanding, hierarchically porous poly(imine dioxime) membrane enabling selective gold recovery from e-waste with unprecedented capacity. <i>EcoMat</i> , 2022, 4, .	11.9	5
11	Integration of $Fe_2O_3$ -based photoanode and atomically dispersed cobalt cathode for efficient photoelectrochemical $NH_3$ synthesis. <i>Chinese Chemical Letters</i> , 2021, 32, 805-810.	9.0	13
12	Robust enhanced hydrogen production at acidic conditions over molybdenum oxides-stabilized ultrafine palladium electrocatalysts. <i>Nano Research</i> , 2021, 14, 268-274.	10.4	19
13	Tunable synthesis of imines and secondary-amines from tandem hydrogenation-coupling of aromatic nitro and aldehyde over $NiCo_5$ bi-metallic catalyst. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119448.	20.2	17
14	Efficient electrocatalytic nitrogen reduction to ammonia with aqueous silver nanodots. <i>Communications Chemistry</i> , 2021, 4, .	4.5	36
15	Highly ordered $Nb_2O_5$ nanochannel film with rich oxygen vacancies for electrocatalytic $N_2$ reduction: Inactivation and regeneration of electrode. <i>Chinese Chemical Letters</i> , 2021, 32, 2833-2836.	9.0	6
16	<i>In situ</i> transformation of Fe-doped $Ni_{12}P_5$ into low-crystallized $NiFe_2O_4$ with high-spin $Fe^{4+}$ for efficient electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10289-10296.	10.3	10
17	A universal route to fabricate bacterial cellulose-based composite membranes for simultaneous removal of multiple pollutants. <i>Chemical Communications</i> , 2021, 57, 8592-8595.	4.1	9
18	Metal (Co/Mo)-N bond anchor-doped N in porous carbon for electrochemical nitrogen reduction. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1476-1481.	6.0	15

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19	Converting Co <sup>2+</sup> -impregnated g-C <sub>3</sub> N <sub>4</sub> into N-doped CNTs-confined Co nanoparticles for efficient hydrogenation rearrangement reactions of furanic aldehydes. Nano Research, 2021, 14, 2846-2852.	10.4	18
20	Synergistic catalysis of cluster and atomic copper induced by copper-silica interface in transfer-hydrogenation. Nano Research, 2021, 14, 4601-4609.	10.4	12
21	Pseudocapacitive desalination via valence engineering with spindle-like manganese oxide/carbon composites. Nano Research, 2021, 14, 4878-4884.	10.4	21
22	Highly selective capacitive deionization of copper ions in FeS <sub>2</sub> @N, S co-doped carbon electrode from wastewater. Separation and Purification Technology, 2021, 262, 118336.	7.9	33
23	In Situ Growth of Ultrathin Ni(OH) <sub>2</sub> Nanosheets as Catalyst for Electrocatalytic Oxidation Reactions. ChemSusChem, 2021, 14, 2935-2942.	6.8	35
24	Fe/Fe <sub>3</sub> C@CNTs anchored on carbonized wood as both self-standing anode and cathode for synergistic electro-Fenton oxidation and sequestration of As(III). Chemical Engineering Journal, 2021, 414, 128925.	12.7	27
25	Intrinsic Pseudocapacitive Affinity in Manganese Spinel Ferrite Nanospheres for High-Performance Selective Capacitive Removal of Ca <sup>2+</sup> and Mg <sup>2+</sup> . ACS Applied Materials & Interfaces, 2021, 13, 38886-38896.	8.0	20
26	Crystal plane effect of ceria on supported copper catalyst for liquid-phase hydrogenation of unsaturated aldehyde. Journal of Colloid and Interface Science, 2021, 596, 34-43.	9.4	10
27	Metal-Organic Frameworks Derived Titanium Oxides via Soft Interface Adaptive Transformation. Advanced Functional Materials, 2021, 31, 2107260.	14.9	5
28	Synchronous removal of tetracycline and water hardness ions by capacitive deionization. Journal of Cleaner Production, 2021, 316, 128251.	9.3	17
29	Hierarchically porous poly(amidoxime)/bacterial cellulose composite aerogel for highly efficient scavenging of heavy metals. Journal of Colloid and Interface Science, 2021, 600, 752-763.	9.4	38
30	Encapsulated Ni-Co alloy nanoparticles as efficient catalyst for hydrodeoxygenation of biomass derivatives in water. Chinese Journal of Catalysis, 2021, 42, 2027-2037.	14.0	43
31	Selective electrocatalytic hydrogenation of nitrobenzene over copper-platinum alloying catalysts: Experimental and theoretical studies. Applied Catalysis B: Environmental, 2021, 298, 120545.	20.2	44
32	An oxygen-coordinated molybdenum single atom catalyst for efficient electrosynthesis of ammonia. Chemical Communications, 2021, 57, 5410-5413.	4.1	24
33	Cobalt single atom catalysts for the efficient electrosynthesis of hydrogen peroxide. Inorganic Chemistry Frontiers, 2021, 8, 2829-2834.	6.0	29
34	<i>In situ</i> growth of MOFs on Ni(OH) <sub>2</sub> for efficient electrocatalytic oxidation of 5-hydroxymethylfurfural. Chemical Communications, 2021, 57, 11358-11361.	4.1	6
35	Hierarchical Porous Iron Metal-Organic Gel/Bacterial Cellulose Aerogel: Ultrafast, Scalable, Room-Temperature Aqueous Synthesis, and Efficient Arsenate Removal. ACS Applied Materials & Interfaces, 2021, 13, 47684-47695.	8.0	27
36	Porous carbon nanosheets functionalized with Fe <sub>3</sub> O <sub>4</sub> nanoparticles for capacitive removal of heavy metal ions from water. Environmental Science: Water Research and Technology, 2020, 6, 331-340.	2.4	27

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37	CoO <sub>x</sub> @Co Nanoparticle-based Catalyst for Efficient Selective Transfer Hydrogenation of $\alpha,\beta$ -Unsaturated Aldehydes. ChemCatChem, 2020, 12, 1019-1024.	3.7	10
38	Electrodeposition of hierarchically amorphous FeOOH nanosheets on carbonized bamboo as an efficient filter membrane for As(III) removal. Chemical Engineering Journal, 2020, 392, 123773.	12.7	34
39	Improving the utilization rate of foliar nitrogen fertilizers by surface roughness engineering of silica spheres. Environmental Science: Nano, 2020, 7, 3526-3535.	4.3	14
40	Fe-Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. Angewandte Chemie, 2020, 132, 23727-23732.	2.0	1
41	Ni/carbon aerogels derived from water induced self-assembly of Ni-MOF for adsorption and catalytic conversion of oily wastewater. Chemical Engineering Journal, 2020, 402, 126205.	12.7	51
42	Copper nanocrystals anchored on an O-rich carbonized corn gel for nitrogen electroreduction to ammonia. Inorganic Chemistry Frontiers, 2020, 7, 3555-3560.	6.0	5
43	Selective Growth of High-Density Anatase {101} Twin Boundaries on High-Energy {001} Facets. Small Structures, 2020, 1, 2000025.	12.0	16
44	Rational Design of Cobalt-Platinum Alloy Decorated Cobalt Nanoparticles for One-Pot Synthesis of Imines from Nitroarenes and Aldehydes. ChemCatChem, 2020, 12, 5948-5958.	3.7	10
45	Fe-Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. Angewandte Chemie - International Edition, 2020, 59, 23521-23526.	13.8	91
46	Selective Pseudocapacitive Deionization of Calcium Ions in Copper Hexacyanoferrate. ACS Applied Materials & Interfaces, 2020, 12, 41437-41445.	8.0	43
47	Electrocatalytically Active Fe(OH) <sub>2</sub> Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie - International Edition, 2020, 59, 13423-13429.	13.8	161
48	Highly dispersed nickel anchored on a N-doped carbon molecular sieve derived from metal-organic frameworks for efficient hydrodeoxygenation in the aqueous phase. Chemical Communications, 2020, 56, 6696-6699.	4.1	17
49	Electrocatalytically Active Fe(OH) <sub>2</sub> Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie, 2020, 132, 13525-13531.	2.0	23
50	Lignosulfonate functionalized g-C <sub>3</sub> N <sub>4</sub> /carbonized wood sponge for highly efficient heavy metal ion scavenging. Journal of Materials Chemistry A, 2020, 8, 12687-12698.	10.3	48
51	Ethanol introduced synthesis of ultrastable 1T-MoS <sub>2</sub> for removal of Cr(VI). Journal of Hazardous Materials, 2020, 394, 122525.	12.4	79
52	Laser Irradiation in Liquid to Release Cobalt Single-Atom Sites for Efficient Electrocatalytic N <sub>2</sub> Reduction. ACS Applied Energy Materials, 2020, 3, 6079-6086.	5.1	19
53	Efficient electrochemical N <sub>2</sub> fixation by doped-oxygen-induced phosphorus vacancy defects on copper phosphide nanosheets. Journal of Materials Chemistry A, 2020, 8, 5936-5942.	10.3	40
54	Formation of Bi <sub>2</sub> Ni <sub>2</sub> C Coordination to Stabilize the Exposed Active Nitrogen Atoms in g-C <sub>3</sub> N <sub>4</sub> for Dramatically Enhanced Photocatalytic Ammonia Synthesis Performance. Small, 2020, 16, e1906880.	10.0	88

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55	MoS <sub>2</sub> Nanodots Anchored on Reduced Graphene Oxide for Efficient N <sub>2</sub> Fixation to NH <sub>3</sub> . ACS Sustainable Chemistry and Engineering, 2020, 8, 2320-2326.	6.7	42
56	Fabrication of hierarchically porous NH <sub>2</sub> -MIL-53/wood-carbon hybrid membrane for highly effective and selective sequestration of Pb <sup>2+</sup> . Chemical Engineering Journal, 2020, 387, 124141.	12.7	44
57	Pseudocapacitive deionization of uranium(VI) with WO <sub>3</sub> /C electrode. Chemical Engineering Journal, 2020, 398, 125460.	12.7	99
58	Sustainable 2,5-furandicarboxylic synthesis by a direct 5-hydroxymethylfurfural fuel cell based on a bifunctional PtNiS <sub>x</sub> catalyst. Chemical Communications, 2020, 56, 13611-13614.	4.1	15
59	Liberating Nâ€¢CNTs Confined Highly Dispersed Coi;N<sub>x</sub></i> Sites for Selective Hydrogenation of Quinolines. Advanced Materials, 2019, 31, e1906051.	21.0	56
60	Ambient Electrosynthesis of Ammonia Using Coreâ€¢Shell Structured Au@C Catalyst Fabricated by One-Step Laser Ablation Technique. ACS Applied Materials & Interfaces, 2019, 11, 44186-44195.	8.0	38
61	Monodispersed Zerovalent Iron Nanoparticles Decorated Carbon Submicrospheres for Enhanced Removal of DDT from Aqueous Solutions. ChemistrySelect, 2019, 4, 12134-12142.	1.5	6
62	Direct Conversion of Biomass into Compact Air Electrode with Atomically Dispersed Oxygen and Nitrogen Coordinated Copper Species for Flexible Zincâ€¢Air Batteries. ACS Applied Energy Materials, 2019, 2, 8659-8666.	5.1	16
63	Potassiumâ€¢Ionâ€¢Assisted Regeneration of Active Cyano Groups in Carbon Nitride Nanoribbons: Visibleâ€¢Lightâ€¢Driven Photocatalytic Nitrogen Reduction. Angewandte Chemie, 2019, 131, 16797-16803.	2.0	26
64	Potassiumâ€¢Ionâ€¢Assisted Regeneration of Active Cyano Groups in Carbon Nitride Nanoribbons: Visibleâ€¢Lightâ€¢Driven Photocatalytic Nitrogen Reduction. Angewandte Chemie - International Edition, 2019, 58, 16644-16650.	13.8	356
65	A sulfonate group functionalized active carbon-based Cu catalyst for electrochemical ammonia synthesis under ambient conditions. Inorganic Chemistry Frontiers, 2019, 6, 2832-2836.	6.0	19
66	The electrochemical corrosion of an air thermally-treated carbon fiber cloth electrocatalyst with outstanding oxygen evolution activity under alkaline conditions. Chemical Communications, 2019, 55, 2344-2347.	4.1	10
67	Nitrogenâ€¢Doped Carbon Nanotube Confined Coâ€¢N<sub>x</sub></i> Sites for Selective Hydrogenation of Biomassâ€¢Derived Compounds. Advanced Materials, 2019, 31, e1808341.	21.0	138
68	Plasma-etching enhanced titanium oxynitride active phase with high oxygen content for ambient electrosynthesis of ammonia. Electrochemistry Communications, 2019, 100, 90-95.	4.7	38
69	Experimental and theoretical understanding on electrochemical activation and inactivation processes of Nb <sub>3</sub> O <sub>7</sub> (OH) for ambient electrosynthesis of NH <sub>3</sub> . Journal of Materials Chemistry A, 2019, 7, 16969-16978.	10.3	39
70	A three-dimensional porous Co@C/carbon foam hybrid monolith for exceptional oilâ€¢water separation. Nanoscale, 2019, 11, 12161-12168.	5.6	33
71	A hierarchical hybrid monolith: MoS <sub>4</sub> <sup>2-</sup> -intercalated NiFe layered double hydroxide nanosheet arrays assembled on carbon foam for highly efficient heavy metal removal. Journal of Materials Chemistry A, 2019, 7, 12869-12881.	10.3	58
72	Converting eggplant biomass into multifunctional porous carbon electrodes for self-powered capacitive deionization. Environmental Science: Water Research and Technology, 2019, 5, 1054-1063.	2.4	21

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73	Enhancement of the visible-light photocatalytic activity of CeO <sub>2</sub> by chemisorbed oxygen in the selective oxidation of benzyl alcohol. <i>New Journal of Chemistry</i> , 2019, 43, 7355-7362.	2.8	21
74	Highly sensitive detection of nitrite by using gold nanoparticle-decorated Fe <sub>2</sub> O <sub>3</sub> nanorod arrays as self-supporting photo-electrodes. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1432-1441.	6.0	18
75	Hierarchical Porous Carbon Materials Derived from Kelp for Superior Capacitive Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8735-8743.	6.7	71
76	Ambient Electrosynthesis of Ammonia on a Core-Shell Structured Au@CeO <sub>2</sub> Catalyst: Contribution of Oxygen Vacancies in CeO <sub>2</sub> . <i>Chemistry - A European Journal</i> , 2019, 25, 5904-5911.	3.3	69
77	Enhanced fluoride removal by hierarchically porous carbon foam monolith with high loading of UiO-66. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 269-280.	9.4	50
78	Dramatically Enhanced Ambient Ammonia Electrosynthesis Performance by In-Operando Created Li-S Interactions on MoS <sub>2</sub> Electrocatalyst. <i>Advanced Energy Materials</i> , 2019, 9, 1803935.	19.5	176
79	Theoretical study of single transition metal atom modified MoP as a nitrogen reduction electrocatalyst. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5950-5955.	2.8	43
80	Cu doping in CeO <sub>2</sub> to form multiple oxygen vacancies for dramatically enhanced ambient N <sub>2</sub> reduction performance. <i>Chemical Communications</i> , 2019, 55, 2952-2955.	4.1	138
81	A pyrolysis-phosphorization approach to fabricate carbon nanotubes with embedded CoP nanoparticles for ambient electrosynthesis of ammonia. <i>Chemical Communications</i> , 2019, 55, 12376-12379.	4.1	23
82	Ambient Electrosynthesis of Ammonia on a Biomass-Derived Nitrogen-Doped Porous Carbon Electrocatalyst: Contribution of Pyridinic Nitrogen. <i>ACS Energy Letters</i> , 2019, 4, 377-383.	17.4	142
83	Simultaneously high-rate furfural hydrogenation and oxidation upgrading on nanostructured transition metal phosphides through electrocatalytic conversion at ambient conditions. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 899-908.	20.2	115
84	Facile fabrication of composition-tunable Fe/Mg bimetal-organic frameworks for exceptional arsenate removal. <i>Chemical Engineering Journal</i> , 2019, 357, 579-588.	12.7	124
85	Structure-enhanced removal of Cr(VI) in aqueous solutions using MoS <sub>2</sub> ultrathin nanosheets. <i>New Journal of Chemistry</i> , 2018, 42, 9006-9015.	2.8	42
86	Novel Fe <sub>3</sub> O <sub>4</sub> nanoparticles-based DGT device for dissolved reactive phosphate measurement. <i>New Journal of Chemistry</i> , 2018, 42, 2874-2881.	2.8	8
87	NiFe-Layered Double Hydroxide Nanosheet Arrays Supported on Carbon Cloth for Highly Sensitive Detection of Nitrite. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6541-6551.	8.0	140
88	Hydroxyapatite nanoparticles in root cells: reducing the mobility and toxicity of Pb in rice. <i>Environmental Science: Nano</i> , 2018, 5, 398-407.	4.3	22
89	Selective Determination of Cr(VI) by Glutaraldehyde Cross-Linked Chitosan Polymer Fluorophores. <i>ACS Sensors</i> , 2018, 3, 792-798.	7.8	60
90	Electrocatalytic oxidation of benzyl alcohol for simultaneously promoting H <sub>2</sub> evolution by a Co <sub>0.83</sub> Ni <sub>0.17</sub> /activated carbon electrocatalyst. <i>New Journal of Chemistry</i> , 2018, 42, 6381-6388.	2.8	27



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91	One-step synthesis of cobalt-doped MoS <sub>2</sub> nanosheets as bifunctional electrocatalysts for overall water splitting under both acidic and alkaline conditions. <i>Chemical Communications</i> , 2018, 54, 3859-3862.	4.1	196
92	A combustion method to synthesize nanoporous graphene. <i>RSC Advances</i> , 2018, 8, 9320-9326.	3.6	1
93	Biomass-derived N-doped porous carbon as electrode materials for Zn-air battery powered capacitive deionization. <i>Chemical Engineering Journal</i> , 2018, 334, 1270-1280.	12.7	182
94	Vapor-phase hydrothermal growth of single crystalline NiS <sub>2</sub> nanostructure film on carbon fiber cloth for electrocatalytic oxidation of alcohols to ketones and simultaneous H <sub>2</sub> evolution. <i>Nano Research</i> , 2018, 11, 1004-1017.	10.4	56
95	The catalytic behaviour in aqueous-phase hydrogenation over a renewable Ni catalyst derived from a perovskite-type oxide. <i>Dalton Transactions</i> , 2018, 47, 17276-17284.	3.3	9
96	Co <sub>2</sub> P Nanoparticles Wrapped in Amorphous Porous Carbon as an Efficient and Stable Catalyst for Water Oxidation. <i>Frontiers in Chemistry</i> , 2018, 6, 580.	3.6	6
97	Zirconium metal organic frameworks-based DGT technique for in situ measurement of dissolved reactive phosphorus in waters. <i>Water Research</i> , 2018, 147, 223-232.	11.3	24
98	In Situ Synthesis of Highly Dispersed Cu-Co Bimetallic Nanoparticles for Tandem Hydrogenation/Rearrangement of Bioderived Furfural in Aqueous-Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14919-14925.	6.7	46
99	Three-Dimensional N-doped Porous Carbon Derived from Monosodium Glutamate for Capacitive Deionization and the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 3873-3880.	3.4	10
100	Highly dispersed Co and Ni nanoparticles encapsulated in N-doped carbon nanotubes as efficient catalysts for the reduction of unsaturated oxygen compounds in aqueous phase. <i>Catalysis Science and Technology</i> , 2018, 8, 5506-5514.	4.1	47
101	Vapor-phase hydrothermal transformation of a nanosheet array structure Ni(OH) <sub>2</sub> into ultrathin Ni <sub>3</sub> S <sub>2</sub> nanosheets on nickel foam for high-efficiency overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19201-19209.	10.3	47
102	Carbothermal Methods: Highly Dispersed Copper Nanoparticles Supported on Activated Carbon as an Efficient Catalyst for Selective Reduction of Vanillin (Small 36/2018). <i>Small</i> , 2018, 14, 1870164.	10.0	4
103	Nitrogen-free commercial carbon cloth with rich defects for electrocatalytic ammonia synthesis under ambient conditions. <i>Chemical Communications</i> , 2018, 54, 11188-11191.	4.1	79
104	Cobalt Covalent Doping in MoS <sub>2</sub> to Induce Bifunctionality of Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1801450.	21.0	402
105	Ball Milling-Induced Plate-like Sub-microstructured Iron for Enhancing Degradation of DDT in a Real Soil Environment. <i>ACS Omega</i> , 2018, 3, 6955-6961.	3.5	5
106	Efficiently electrocatalytic oxidation of benzyl alcohol for energy- saved zinc-air battery using a multifunctional nickel-cobalt alloy electrocatalyst. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 37-46.	9.4	17
107	Highly Dispersed Copper Nanoparticles Supported on Activated Carbon as an Efficient Catalyst for Selective Reduction of Vanillin. <i>Small</i> , 2018, 14, e1801953.	10.0	62
108	An efficient and reusable bimetallic Ni <sub>3</sub> Fe NPs@C catalyst for selective hydrogenation of biomass-derived levulinic acid to Î <sup>3</sup> -valerolactone. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1599-1607.	14.0	43

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109	Spontaneous Redox Approach to the Self-Assembly Synthesis of Au/CeO <sub>2</sub> Plasmonic Photocatalysts with Rich Oxygen Vacancies for Selective Photocatalytic Conversion of Alcohols. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 31394-31403.	8.0	67
110	In situ growth of Fe <sub>2</sub> O <sub>3</sub> nanorod arrays on 3D carbon foam as an efficient binder-free electrode for highly sensitive and specific determination of nitrite. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4726-4736.	10.3	86
111	Self-assembled Pd/CeO <sub>2</sub> catalysts by a facile redox approach for high-efficiency hydrogenation of levulinic acid into gamma-valerolactone. <i>Catalysis Communications</i> , 2017, 93, 10-14.	3.3	37
112	Europium-based infinite coordination polymer nanospheres as an effective fluorescence probe for phosphate sensing. <i>RSC Advances</i> , 2017, 7, 8661-8669.	3.6	62
113	Efficient Synthesis of Furfuryl Alcohol from H <sub>2</sub> -Hydrogenation/Transfer Hydrogenation of Furfural Using Sulfonate Group Modified Cu Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2172-2180.	6.7	177
114	Two-dimensional CoNi nanoparticles@S,N-doped carbon composites derived from S,N-containing Co/Ni MOFs for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9873-9881.	10.3	75
115	One-pot redox synthesis of Pt/Fe <sub>3</sub> O <sub>4</sub> catalyst for efficiently chemoselective hydrogenation of cinnamaldehyde. <i>RSC Advances</i> , 2017, 7, 21107-21113.	3.6	17
116	Carbon-embedded Ni nanocatalysts derived from MOFs by a sacrificial template method for efficient hydrogenation of furfural to tetrahydrofurfuryl alcohol. <i>Dalton Transactions</i> , 2017, 46, 6358-6365.	3.3	88
117	Electrochemical deposition of Pt on carbon fiber cloth utilizing Pt mesh counter electrode during hydrogen evolution reaction for electrocatalytic hydrogenation reduction of p-nitrophenol. <i>New Journal of Chemistry</i> , 2017, 41, 7012-7019.	2.8	16
118	FeOOH Nanorods/Carbon Foam-Based Hierarchically Porous Monolith for Highly Effective Arsenic Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13480-13490.	8.0	143
119	Co <sub>9</sub> S <sub>8</sub> @N,P-doped porous carbon electrocatalyst using biomass-derived carbon nanodots as a precursor for overall water splitting in alkaline media. <i>RSC Advances</i> , 2017, 7, 19181-19188.	3.6	69
120	S,N-Containing Co-MOF derived Co <sub>9</sub> S <sub>8</sub> @S,N-doped carbon materials as efficient oxygen electrocatalysts and supercapacitor electrode materials. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 491-498.	6.0	108
121	Highly selective liquid-phase hydrogenation of furfural over N-doped carbon supported metallic nickel catalyst under mild conditions. <i>Molecular Catalysis</i> , 2017, 429, 51-59.	2.0	81
122	Bifunctional NH <sub>2</sub> -MIL-88(Fe) metal-organic framework nanooctahedra for highly sensitive detection and efficient removal of arsenate in aqueous media. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23794-23804.	10.3	230
123	Efficient Synthesis of 2-Methylfuran from Bio-Derived Furfural over Supported Copper Catalyst: The Synergistic Effect of Cu <sub>x</sub> and Cu. <i>ChemistrySelect</i> , 2017, 2, 9984-9991.	1.5	14
124	Size Modulation of Zirconium-Based Metal Organic Frameworks for Highly Efficient Phosphate Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32151-32160.	8.0	146
125	Vapour-phase hydrothermal synthesis of Ni <sub>2</sub> P nanocrystallines on carbon fiber cloth for high-efficiency H <sub>2</sub> production and simultaneous urea decomposition. <i>Electrochimica Acta</i> , 2017, 254, 44-49.	5.2	62
126	High-Efficiency Co/Co <sub>x</sub> S <sub>y</sub> @S,N-Codoped Porous Carbon Electrocatalysts Fabricated from Controllably Grown Sulfur- and Nitrogen-Including Cobalt-Based MOFs for Rechargeable Zinc-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 34269-34278.	8.0	71



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127	Highly efficient electrocatalytic oxidation of urea on a Mn-incorporated Ni(OH) <sub>2</sub> /carbon fiber cloth for energy-saving rechargeable Zn–air batteries. <i>Chemical Communications</i> , 2017, 53, 10711-10714.	4.1	32
128	Determination of mercury in aquatic systems by DGT device using thiol-modified carbon nanoparticle suspension as the liquid binding phase. <i>New Journal of Chemistry</i> , 2017, 41, 10305-10311.	2.8	19
129	Highly efficient removal of hexavalent chromium in aqueous solutions via chemical reduction of plate-like micro/nanostructured zero valent iron. <i>RSC Advances</i> , 2017, 7, 55905-55911.	3.6	37
130	A nanoparticulate liquid binding phase based DGT device for aquatic arsenic measurement. <i>Talanta</i> , 2016, 160, 225-232.	5.5	15
131	Oxoacetohydrazide-functionalized cellulose with enhanced adsorption performance. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	7
132	Co/CoO nanoparticles immobilized on Co–N-doped carbon as trifunctional electrocatalysts for oxygen reduction, oxygen evolution and hydrogen evolution reactions. <i>Chemical Communications</i> , 2016, 52, 5946-5949.	4.1	221
133	Micro/nanostructured hydroxyapatite structurally enhances the immobilization for Cu and Cd in contaminated soil. <i>Journal of Soils and Sediments</i> , 2016, 16, 2030-2040.	3.0	31
134	Fe/Fe <sub>2</sub> O <sub>3</sub> nanoparticles anchored on Fe-N-doped carbon nanosheets as bifunctional oxygen electrocatalysts for rechargeable zinc-air batteries. <i>Nano Research</i> , 2016, 9, 2123-2137.	10.4	116
135	Metal-organic framework derived nitrogen-doped porous carbon@graphene sandwich-like structured composites as bifunctional electrocatalysts for oxygen reduction and evolution reactions. <i>Carbon</i> , 2016, 106, 74-83.	10.3	206
136	Shrimp-shell derived carbon nanodots as precursors to fabricate Fe,N-doped porous graphitic carbon electrocatalysts for efficient oxygen reduction in zinc–air batteries. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 910-918.	6.0	27
137	Effects of surface ligands on the uptake and transport of gold nanoparticles in rice and tomato. <i>Journal of Hazardous Materials</i> , 2016, 314, 188-196.	12.4	73
138	Hierarchical iron containing $\gamma$ -MnO <sub>2</sub> hollow microspheres: A facile one-step synthesis and effective removal of As(III) via oxidation and adsorption. <i>Chemical Engineering Journal</i> , 2016, 301, 139-148.	12.7	106
139	3D Fe <sub>3</sub> O <sub>4</sub> @Au@Ag nanoflowers assembled magnetoplasmonic chains for in situ SERS monitoring of plasmon-assisted catalytic reactions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8866-8874.	10.3	63
140	Co/Co <sub>9</sub> S <sub>8</sub> @S,N-doped porous graphene sheets derived from S, N dual organic ligands assembled Co-MOFs as superior electrocatalysts for full water splitting in alkaline media. <i>Nano Energy</i> , 2016, 30, 93-102.	16.0	260
141	Ultrafine nickel–cobalt alloy nanoparticles incorporated into three-dimensional porous graphitic carbon as an electrode material for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17080-17086.	10.3	53
142	Fabrication of hierarchical iron-containing MnO <sub>2</sub> hollow microspheres assembled by thickness-tunable nanosheets for efficient phosphate removal. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14814-14826.	10.3	60
143	Three-dimensional honeycomb-like structured zero-valent iron/chitosan composite foams for effective removal of inorganic arsenic in water. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 421-429.	9.4	55
144	Growth and in situ transformation of TiO <sub>2</sub> and HTiOF <sub>3</sub> crystals on chitosan-polyvinyl alcohol co-polymer substrates under vapor phase hydrothermal conditions. <i>Nano Research</i> , 2016, 9, 745-754.	10.4	19

#	ARTICLE	IF	CITATIONS
145	Shrimp-shell derived carbon nanodots as carbon and nitrogen sources to fabricate three-dimensional N-doped porous carbon electrocatalysts for the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4095-4101.	2.8	97
146	Enhanced photocatalytic activity of a hollow TiO <sub>2</sub> @Au@TiO <sub>2</sub> sandwich structured nanocomposite. <i>RSC Advances</i> , 2016, 6, 18958-18964.	3.6	12
147	Hollow mesoporous SiO <sub>2</sub> sphere nanoarchitectures with encapsulated silver nanoparticles for catalytic reduction of 4-nitrophenol. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 663-670.	6.0	27
148	Enhanced removal of trace Cr(VI) from neutral and alkaline aqueous solution by FeCo bimetallic nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 8-15.	9.4	51
149	An adsorption-reduction synergistic effect of mesoporous Fe/SiO <sub>2</sub> @NH <sub>2</sub> hollow spheres for the removal of Cr(VI) ions. <i>RSC Advances</i> , 2016, 6, 27039-27046.	3.6	17
150	The influence of biochar type on long-term stabilization for Cd and Cu in contaminated paddy soils. <i>Journal of Hazardous Materials</i> , 2016, 304, 40-48.	12.4	195
151	3D graphene/MnO <sub>2</sub> aerogels for highly efficient and reversible removal of heavy metal ions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1970-1979.	10.3	257
152	Highly Ordered Single Crystalline Nanowire Array Assembled Three-Dimensional Nb <sub>3</sub> O <sub>7</sub> (OH) and Nb <sub>2</sub> O <sub>5</sub> Superstructures for Energy Storage and Conversion Applications. <i>ACS Nano</i> , 2016, 10, 507-514.	14.6	81
153	Water bath synthesis and enhanced photocatalytic performances of urchin-like micro/nanostructured FeOOH. <i>Journal of Materials Research</i> , 2015, 30, 1629-1638.	2.6	21
154	Adsorption of Hg <sup>2+</sup> by thiol functionalized hollow mesoporous silica microspheres with magnetic cores. <i>RSC Advances</i> , 2015, 5, 51446-51453.	3.6	45
155	Photocatalytic degradation of 2,4,4-trichlorobiphenyl into long-chain alkanes using Ag nanoparticle decorated flower-like ZnO microspheres. <i>New Journal of Chemistry</i> , 2015, 39, 7781-7785.	2.8	4
156	One pot microwave-assisted synthesis of Ag decorated yolk@shell structured TiO <sub>2</sub> microspheres. <i>RSC Advances</i> , 2015, 5, 11349-11357.	3.6	5
157	Modified natural diatomite and its enhanced immobilization of lead, copper and cadmium in simulated contaminated soils. <i>Journal of Hazardous Materials</i> , 2015, 289, 210-218.	12.4	80
158	Micro/nanostructured porous Fe-Ni binary oxide and its enhanced arsenic adsorption performances. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 94-102.	9.4	45
159	Magnetically recyclable catalytic activity of spiky magneto-plasmonic nanoparticles. <i>RSC Advances</i> , 2015, 5, 56653-56657.	3.6	16
160	Photoelectrochemical manifestation of intrinsic photoelectron transport properties of vertically aligned {001} faceted single crystal TiO <sub>2</sub> nanosheet films. <i>RSC Advances</i> , 2015, 5, 55438-55444.	3.6	15
161	Enhanced Gas-Sensing Properties of the Hierarchical TiO <sub>2</sub> Hollow Microspheres with Exposed High-Energy {001} Crystal Facets. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24902-24908.	8.0	99
162	A fluorescent chitosan hydrogel detection platform for the sensitive and selective determination of trace mercury(II) in water. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19455-19460.	10.3	66

#	ARTICLE	IF	CITATIONS
163	A low-cost cementite (Fe <sub>3</sub> C) nanocrystal@N-doped graphitic carbon electrocatalyst for efficient oxygen reduction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27527-27533.	2.8	22
164	Transforming chitosan into N-doped graphitic carbon electrocatalysts. <i>Chemical Communications</i> , 2015, 51, 1334-1337.	4.1	117
165	Synthesis of Carbon Materials@TiO <sub>2</sub> Hybrid Nanostructures and Their Visible-Light Photocatalytic Activity. <i>ChemPlusChem</i> , 2014, 79, 454-461.	2.8	16
166	Improved Photocatalytic Performance of the Ultra-small Ag Nanocrystal@TiO <sub>2</sub> Hollow Sphere Heterostructures. <i>ChemCatChem</i> , 2014, 6, 1392-1400.	3.7	15
167	A facile synthesis of single crystal TiO <sub>2</sub> nanorods with reactive {100} facets and their enhanced photocatalytic activity. <i>CrystEngComm</i> , 2014, 16, 3091.	2.6	25
168	Enhanced photocatalytic activity of hierarchical structure TiO <sub>2</sub> hollow spheres with reactive (001) facets for the removal of toxic heavy metal Cr(VI). <i>RSC Advances</i> , 2014, 4, 34577-34583.	3.6	39
169	One-step fabrication of high performance micro/nanostructured Fe <sub>3</sub> S <sub>4</sub> @C magnetic adsorbent with easy recovery and regeneration properties. <i>CrystEngComm</i> , 2013, 15, 2956.	2.6	40
170	Micro/nanostructured Fe <sub>2</sub> O <sub>3</sub> spheres: synthesis, characterization, and structurally enhanced visible-light photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2012, 22, 9704.	6.7	103
171	Three-dimensional hierarchically structured PAN@AlOOH fiber films based on a fiber templated hydrothermal route and their recyclable strong Cr(VI)-removal performance. <i>RSC Advances</i> , 2012, 2, 1769.	3.6	35
172	Standing porous ZnO nanoplate-built hollow microspheres and kinetically controlled dissolution/crystal growth mechanism. <i>Journal of Materials Research</i> , 2012, 27, 951-958.	2.6	14
173	Organization of Mn <sub>3</sub> O <sub>4</sub> nanoparticles into MnOOH nanowires via hydrothermal treatment of the colloids induced by laser ablation in water. <i>CrystEngComm</i> , 2011, 13, 1063-1066.	2.6	31
174	Polyacrylonitrile/ferrous chloride composite porous nanofibers and their strong Cr-removal performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 991-997.	6.7	108
175	Protein assisted hydrothermal synthesis of ultrafine magnetite nanoparticle built-porous oriented fibers and their structurally enhanced adsorption to toxic chemicals in solution. <i>Journal of Materials Chemistry</i> , 2011, 21, 11188.	6.7	28
176	Orientable pore-size-distribution of ZnO nanostructures and their superior photocatalytic activity. <i>CrystEngComm</i> , 2010, 12, 2821.	2.6	31
177	Mass production of micro/nanostructured porous ZnO plates and their strong structurally enhanced and selective adsorption performance for environmental remediation. <i>Journal of Materials Chemistry</i> , 2010, 20, 8582.	6.7	216
178	Synthesis of KNbO <sub>3</sub> Nanorods by Hydrothermal Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1465-1469.	0.9	29
179	In situ self-assembly synthesis and photocatalytic performance of hierarchical Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> micro/nanostructures. <i>Journal of Materials Chemistry</i> , 2009, 19, 2253.	6.7	49
180	Hydrothermal synthesis and characterization of KNbO <sub>3</sub> nanorods. <i>CrystEngComm</i> , 2009, 11, 1958.	2.6	84

#	ARTICLE	IF	CITATIONS
181	General in situ chemical etching synthesis of ZnO nanotips array. Applied Physics Letters, 2008, 93, 1531-1534.	3.3	21
182	One-pot synthesis of nanotube-based hierarchical copper silicate hollow spheres. Chemical Communications, 2008, , 6555.	4.1	104
183	Hierarchical Nanostructures of PbTiO <sub>3</sub> Through Mesocrystal Formation. Journal of Nanoscience and Nanotechnology, 2007, 7, 2538-2541.	0.9	10
184	Decomposition and Crystallization of a Sol-Gel-Derived PbTiO <sub>3</sub> Precursor. Journal of the American Ceramic Society, 2007, 90, 2649-2652.	3.8	20
185	Synthesis and photoluminescence properties of ZnMnS nanobelts. Applied Physics Letters, 2004, 84, 2157-2159.	3.3	98
186	Synthesis and optical properties of S-doped ZnO nanowires. Applied Physics Letters, 2003, 82, 4791-4793.	3.3	154
187	Zn nanobelts: a new quasi one-dimensional metal nanostructure. Chemical Communications, 2001, , 2632-2633.	4.1	71
188	Preparation and characterization of ordered semiconductor CdO nanowire arrays. Journal of Materials Science Letters, 2001, 20, 1687-1689.	0.5	49