

Guozhong Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183
papers

7,259
citations

48
h-index

77
g-index

192
ext. papers

9,045
ext. citations

8.3
avg, IF

6.35
L-index

#	Paper	IF	Citations
183	hcp-phased Ni nanoparticles with generic catalytic hydrogenation activities toward different functional groups. <i>Science China Materials</i> , 2022 , 65, 1252	7.1	1
182	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	21.8	1
181	The Sorption of Sulfamethoxazole by Aliphatic and Aromatic Carbons from Lignocellulose Pyrolysis. <i>Agronomy</i> , 2022 , 12, 476	3.6	
180	Trimetallic Sulfide Hollow Superstructures with Engineered d-Band Center for Oxygen Reduction to Hydrogen Peroxide in Alkaline Solution.. <i>Advanced Science</i> , 2022 , e2104768	13.6	3
179	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 , 121021	8.3	1
178	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	7.1	0
177	growth of MOFs on Ni(OH) for efficient electrocatalytic oxidation of 5-hydroxymethylfurfural. <i>Chemical Communications</i> , 2021 , 57, 11358-11361	5.8	0
176	Hierarchical Porous Iron Metal-Organic Gel/Bacterial Cellulose Aerogel: Ultrafast, Scalable, Room-Temperature Aqueous Synthesis, and Efficient Arsenate Removal. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47684-47695	9.5	3
175	Pseudocapacitive desalination via valence engineering with spindle-like manganese oxide/carbon composites. <i>Nano Research</i> , 2021 , 14, 4878	10	2
174	Highly selective capacitive deionization of copper ions in FeS ₂ @N, S co-doped carbon electrode from wastewater. <i>Separation and Purification Technology</i> , 2021 , 262, 118336	8.3	9
173	In Situ Growth of Ultrathin Ni(OH) Nanosheets as Catalyst for Electrocatalytic Oxidation Reactions. <i>ChemSusChem</i> , 2021 , 14, 2935-2942	8.3	11
172	Fe/Fe ₃ C@CNTs anchored on carbonized wood as both self-standing anode and cathode for synergistic electro-Fenton oxidation and sequestration of As(III). <i>Chemical Engineering Journal</i> , 2021 , 414, 128925	14.7	5
171	Integration of Fe ₂ O ₃ -based photoanode and atomically dispersed cobalt cathode for efficient photoelectrochemical NH ₃ synthesis. <i>Chinese Chemical Letters</i> , 2021 , 32, 805-810	8.1	7
170	Robust enhanced hydrogen production at acidic conditions over molybdenum oxides-stabilized ultrafine palladium electrocatalysts. <i>Nano Research</i> , 2021 , 14, 268-274	10	6
169	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	21.8	10
168	Efficient electrocatalytic nitrogen reduction to ammonia with aqueous silver nanodots. <i>Communications Chemistry</i> , 2021 , 4,	6.3	9
167	In situ transformation of Fe-doped Ni ₁₂ P ₅ into low-crystallized NiFe ₂ O ₄ with high-spin Fe ⁴⁺ for efficient electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10289-10296	13	6

166	A universal route to fabricate bacterial cellulose-based composite membranes for simultaneous removal of multiple pollutants. <i>Chemical Communications</i> , 2021 , 57, 8592-8595	5.8	4
165	Metal (Co/Mo)N bond anchor-doped N in porous carbon for electrochemical nitrogen reduction. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1476-1481	6.8	3
164	Converting Co ²⁺ -impregnated g-C ₃ N ₄ into N-doped CNTs-confined Co nanoparticles for efficient hydrogenation rearrangement reactions of furanic aldehydes. <i>Nano Research</i> , 2021 , 14, 2846-2852	10	4
163	Intrinsic Pseudocapacitive Affinity in Manganese Spinel Ferrite Nanospheres for High-Performance Selective Capacitive Removal of Ca and Mg. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38886-38895	9.5	2
162	Crystal plane effect of ceria on supported copper catalyst for liquid-phase hydrogenation of unsaturated aldehyde. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 34-43	9.3	1
161	Synchronous removal of tetracycline and water hardness ions by capacitive deionization. <i>Journal of Cleaner Production</i> , 2021 , 316, 128251	10.3	2
160	Hierarchically porous poly(amidoxime)/bacterial cellulose composite aerogel for highly efficient scavenging of heavy metals. <i>Journal of Colloid and Interface Science</i> , 2021 , 600, 752-763	9.3	8
159	Encapsulated Ni-Co alloy nanoparticles as efficient catalyst for hydrodeoxygenation of biomass derivatives in water. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 2027-2037	11.3	7
158	Selective electrocatalytic hydrogenation of nitrobenzene over copper-platinum alloying catalysts: Experimental and theoretical studies. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120545	21.8	8
157	An oxygen-coordinated molybdenum single atom catalyst for efficient electrosynthesis of ammonia. <i>Chemical Communications</i> , 2021 , 57, 5410-5413	5.8	2
156	Cobalt single atom catalysts for the efficient electrosynthesis of hydrogen peroxide. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2829-2834	6.8	7
155	Electrocatalytically Active Fe-(O-C) Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13423-13429	16.4	71
154	Highly dispersed nickel anchored on a N-doped carbon molecular sieve derived from metal-organic frameworks for efficient hydrodeoxygenation in the aqueous phase. <i>Chemical Communications</i> , 2020 , 56, 6696-6699	5.8	5
153	Electrocatalytically Active Fe-(O-C) ₂ Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. <i>Angewandte Chemie</i> , 2020 , 132, 13525-13531	3.6	14
152	Lignosulfonate functionalized g-C ₃ N ₄ /carbonized wood sponge for highly efficient heavy metal ion scavenging. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12687-12698	13	29
151	Ethanol introduced synthesis of ultrastable 1T-MoS ₂ for removal of Cr(VI). <i>Journal of Hazardous Materials</i> , 2020 , 394, 122525	12.8	29
150	Laser Irradiation in Liquid to Release Cobalt Single-Atom Sites for Efficient Electrocatalytic N ₂ Reduction. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6079-6086	6.1	9
149	Efficient electrochemical N ₂ fixation by doped-oxygen-induced phosphorus vacancy defects on copper phosphide nanosheets. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5936-5942	13	22

148	Formation of B?N?C Coordination to Stabilize the Exposed Active Nitrogen Atoms in g-C N for Dramatically Enhanced Photocatalytic Ammonia Synthesis Performance. <i>Small</i> , 2020 , 16, e1906880	11	43
147	MoS2 Nanodots Anchored on Reduced Graphene Oxide for Efficient N2 Fixation to NH3. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2320-2326	8.3	29
146	Fabrication of hierarchically porous NH2-MIL-53/wood-carbon hybrid membrane for highly effective and selective sequestration of Pb2+. <i>Chemical Engineering Journal</i> , 2020 , 387, 124141	14.7	25
145	Pseudocapacitive deionization of uranium(VI) with WO3/C electrode. <i>Chemical Engineering Journal</i> , 2020 , 398, 125460	14.7	36
144	Sustainable 2,5-furandicarboxylic synthesis by a direct 5-hydroxymethylfurfural fuel cell based on a bifunctional PtNiS catalyst. <i>Chemical Communications</i> , 2020 , 56, 13611-13614	5.8	4
143	CoOx@Co Nanoparticle-based Catalyst for Efficient Selective Transfer Hydrogenation of α -Unsaturated Aldehydes. <i>ChemCatChem</i> , 2020 , 12, 1019-1024	5.2	3
142	Electrodeposition of hierarchically amorphous FeOOH nanosheets on carbonized bamboo as an efficient filter membrane for As(III) removal. <i>Chemical Engineering Journal</i> , 2020 , 392, 123773	14.7	18
141	Improving the utilization rate of foliar nitrogen fertilizers by surface roughness engineering of silica spheres. <i>Environmental Science: Nano</i> , 2020 , 7, 3526-3535	7.1	3
140	Fe-Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. <i>Angewandte Chemie</i> , 2020 , 132, 23727-23732	3.6	1
139	Ni/carbon aerogels derived from water induced self-assembly of Ni-MOF for adsorption and catalytic conversion of oily wastewater. <i>Chemical Engineering Journal</i> , 2020 , 402, 126205	14.7	29
138	Copper nanocrystals anchored on an O-rich carbonized corn gel for nitrogen electroreduction to ammonia. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3555-3560	6.8	3
137	Selective Growth of High-Density Anatase {101} Twin Boundaries on High-Energy {001} Facets. <i>Small Structures</i> , 2020 , 1, 2000025	8.7	10
136	Rational Design of Cobalt-Platinum Alloy Decorated Cobalt Nanoparticles for One-Pot Synthesis of Imines from Nitroarenes and Aldehydes. <i>ChemCatChem</i> , 2020 , 12, 5948-5958	5.2	4
135	Fe-Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23521-23526	16.4	36
134	Selective Pseudocapacitive Deionization of Calcium Ions in Copper Hexacyanoferrate. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41437-41445	9.5	17
133	Porous carbon nanosheets functionalized with Fe3O4 nanoparticles for capacitive removal of heavy metal ions from water. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 331-340	4.2	17
132	Potassium-Ion-Assisted Regeneration of Active Cyano Groups in Carbon Nitride Nanoribbons: Visible-Light-Driven Photocatalytic Nitrogen Reduction. <i>Angewandte Chemie</i> , 2019 , 131, 16797-16803	3.6	16
131	Potassium-Ion-Assisted Regeneration of Active Cyano Groups in Carbon Nitride Nanoribbons: Visible-Light-Driven Photocatalytic Nitrogen Reduction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16644-16650	16.4	180

130	A sulfonate group functionalized active carbon-based Cu catalyst for electrochemical ammonia synthesis under ambient conditions. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2832-2836	6.8	12
129	The electrochemical corrosion of an air thermally-treated carbon fiber cloth electrocatalyst with outstanding oxygen evolution activity under alkaline conditions. <i>Chemical Communications</i> , 2019 , 55, 2344-2347	5.8	8
128	Nitrogen-Doped Carbon Nanotube Confined Co-N Sites for Selective Hydrogenation of Biomass-Derived Compounds. <i>Advanced Materials</i> , 2019 , 31, e1808341	24	83
127	Plasma-etching enhanced titanium oxynitride active phase with high oxygen content for ambient electrosynthesis of ammonia. <i>Electrochemistry Communications</i> , 2019 , 100, 90-95	5.1	26
126	Experimental and theoretical understanding on electrochemical activation and inactivation processes of Nb ₃ O ₇ (OH) for ambient electrosynthesis of NH ₃ . <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16969-16978	13	28
125	A three-dimensional porous Co@C/carbon foam hybrid monolith for exceptional oil-water separation. <i>Nanoscale</i> , 2019 , 11, 12161-12168	7.7	23
124	A hierarchical hybrid monolith: MoS ₂ intercalated NiFe layered double hydroxide nanosheet arrays assembled on carbon foam for highly efficient heavy metal removal. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12869-12881	13	38
123	Converting eggplant biomass into multifunctional porous carbon electrodes for self-powered capacitive deionization. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 1054-1063	4.2	10
122	Enhancement of the visible-light photocatalytic activity of CeO ₂ by chemisorbed oxygen in the selective oxidation of benzyl alcohol. <i>New Journal of Chemistry</i> , 2019 , 43, 7355-7362	3.6	17
121	Highly sensitive detection of nitrite by using gold nanoparticle-decorated Fe ₂ O ₃ nanorod arrays as self-supporting photo-electrodes. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1432-1441	6.8	12
120	Hierarchical Porous Carbon Materials Derived from Kelp for Superior Capacitive Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8735-8743	8.3	42
119	Ambient Electrosynthesis of Ammonia on a Core-Shell-Structured Au@CeO Catalyst: Contribution of Oxygen Vacancies in CeO. <i>Chemistry - A European Journal</i> , 2019 , 25, 5904-5911	4.8	44
118	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	9.3	29
117	Liberating N-CNTs Confined Highly Dispersed Co/N Sites for Selective Hydrogenation of Quinolines. <i>Advanced Materials</i> , 2019 , 31, e1906051	24	40
116	Ambient Electrosynthesis of Ammonia Using Core-Shell Structured Au@C Catalyst Fabricated by One-Step Laser Ablation Technique. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44186-44195	9.5	27
115	Monodispersed Zerovalent Iron Nanoparticles Decorated Carbon Submicrospheres for Enhanced Removal of DDT from Aqueous Solutions. <i>ChemistrySelect</i> , 2019 , 4, 12134-12142	1.8	4
114	Direct Conversion of Biomass into Compact Air Electrode with Atomically Dispersed Oxygen and Nitrogen Coordinated Copper Species for Flexible Zinc-Air Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8659-8666	6.1	10
113	Dramatically Enhanced Ambient Ammonia Electrosynthesis Performance by In-Operando Created Li ⁺ Interactions on MoS ₂ Electrocatalyst. <i>Advanced Energy Materials</i> , 2019 , 9, 1803935	21.8	149

112	Theoretical study of single transition metal atom modified MoP as a nitrogen reduction electrocatalyst. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 5950-5955	3.6	35
111	Cu doping in CeO to form multiple oxygen vacancies for dramatically enhanced ambient N reduction performance. <i>Chemical Communications</i> , 2019 , 55, 2952-2955	5.8	96
110	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	5.8	16
109	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	20.1	93
108	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	21.8	62
107	Facile fabrication of composition-tunable Fe/Mg bimetal-organic frameworks for exceptional arsenate removal. <i>Chemical Engineering Journal</i> , 2019 , 357, 579-588	14.7	65
106	Structure-enhanced removal of Cr(VI) in aqueous solutions using MoS ₂ ultrathin nanosheets. <i>New Journal of Chemistry</i> , 2018 , 42, 9006-9015	3.6	26
105	Novel Fe ₃ O ₄ nanoparticles-based DGT device for dissolved reactive phosphate measurement. <i>New Journal of Chemistry</i> , 2018 , 42, 2874-2881	3.6	7
104	NiFe-Layered Double Hydroxide Nanosheet Arrays Supported on Carbon Cloth for Highly Sensitive Detection of Nitrite. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6541-6551	9.5	92
103	Hydroxyapatite nanoparticles in root cells: reducing the mobility and toxicity of Pb in rice. <i>Environmental Science: Nano</i> , 2018 , 5, 398-407	7.1	14
102	Selective Determination of Cr(VI) by Glutaraldehyde Cross-Linked Chitosan Polymer Fluorophores. <i>ACS Sensors</i> , 2018 , 3, 792-798	9.2	36
101	Electrocatalytic oxidation of benzyl alcohol for simultaneously promoting H ₂ evolution by a Co _{0.83} Ni _{0.17} /activated carbon electrocatalyst. <i>New Journal of Chemistry</i> , 2018 , 42, 6381-6388	3.6	17
100	One-step synthesis of cobalt-doped MoS nanosheets as bifunctional electrocatalysts for overall water splitting under both acidic and alkaline conditions. <i>Chemical Communications</i> , 2018 , 54, 3859-3862	5.8	130
99	A combustion method to synthesize nanoporous graphene.. <i>RSC Advances</i> , 2018 , 8, 9320-9326	3.7	0
98	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	9.3	9
97	Highly Dispersed Copper Nanoparticles Supported on Activated Carbon as an Efficient Catalyst for Selective Reduction of Vanillin. <i>Small</i> , 2018 , 14, e1801953	11	33
96	An efficient and reusable bimetallic Ni ₃ Fe NPs@C catalyst for selective hydrogenation of biomass-derived levulinic acid to Valerolactone. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 1599-1607	11.3	25
95	Spontaneous Redox Approach to the Self-Assembly Synthesis of Au/CeO Plasmonic Photocatalysts with Rich Oxygen Vacancies for Selective Photocatalytic Conversion of Alcohols. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31394-31403	9.5	48

94	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	14.7	134
93	Vapor-phase hydrothermal growth of single crystalline NiS ₂ nanostructure film on carbon fiber cloth for electrocatalytic oxidation of alcohols to ketones and simultaneous H ₂ evolution. <i>Nano Research</i> , 2018 , 11, 1004-1017	10	37
92	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	4.3	5
91	CoP Nanoparticles Wrapped in Amorphous Porous Carbon as an Efficient and Stable Catalyst for Water Oxidation. <i>Frontiers in Chemistry</i> , 2018 , 6, 580	5	6
90	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	12.5	16
89	In Situ Synthesis of Highly Dispersed Cu ₂ O Bimetallic Nanoparticles for Tandem Hydrogenation/Rearrangement of Bioderived Furfural in Aqueous-Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14919-14925	8.3	28
88	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	4.3	9
87	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	5.5	26
86	Vapor-phase hydrothermal transformation of a nanosheet array structure Ni(OH) ₂ into ultrathin Ni ₃ S ₂ nanosheets on nickel foam for high-efficiency overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19201-19209	13	38
85	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	11	1
84	Nitrogen-free commercial carbon cloth with rich defects for electrocatalytic ammonia synthesis under ambient conditions. <i>Chemical Communications</i> , 2018 , 54, 11188-11191	5.8	59
83	Cobalt Covalent Doping in MoS ₂ to Induce Bifunctionality of Overall Water Splitting. <i>Advanced Materials</i> , 2018 , 30, e1801450	24	273
82	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	3.9	2
81	In situ growth of Fe ₂ O ₃ 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	13	68
80	Self-assembled Pd/CeO ₂ catalysts by a facile redox approach for high-efficiency hydrogenation of levulinic acid into gamma-valerolactone. <i>Catalysis Communications</i> , 2017 , 93, 10-14	3.2	27
79	Europium-based infinite coordination polymer nanospheres as an effective fluorescence probe for phosphate sensing. <i>RSC Advances</i> , 2017 , 7, 8661-8669	3.7	36
78	Efficient Synthesis of Furfuryl Alcohol from H ₂ -Hydrogenation/Transfer Hydrogenation of Furfural Using Sulfonate Group Modified Cu Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2172-2180	8.3	136
77	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	13	52

76	One-pot redox synthesis of Pt/Fe ₃ O ₄ catalyst for efficiently chemoselective hydrogenation of cinnamaldehyde. <i>RSC Advances</i> , 2017 , 7, 21107-21113	3.7	10
75	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	4.3	61
74	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	3.6	8
73	FeOOH Nanorods/Carbon Foam-Based Hierarchically Porous Monolith for Highly Effective Arsenic Removal. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13480-13490	9.5	92
72	Co ₉ S ₈ @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	3.7	54
71	S,N-Containing Co-MOF derived Co ₉ S ₈ @S,N-doped carbon materials as efficient oxygen electrocatalysts and supercapacitor electrode materials. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 491-498	6.8	86
70	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	3.3	57
69	Bifunctional NH ₂ -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	13	148
68	Efficient Synthesis of 2-Methylfuran from Bio-Derived Furfural over Supported Copper Catalyst: The Synergistic Effect of CuO _x and Cu. <i>ChemistrySelect</i> , 2017 , 2, 9984-9991	1.8	11
67	Size Modulation of Zirconium-Based Metal Organic Frameworks for Highly Efficient Phosphate Remediation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32151-32160	9.5	83
66	Vapour-phase hydrothermal synthesis of Ni ₂ P nanocrystallines on carbon fiber cloth for high-efficiency H ₂ production and simultaneous urea decomposition. <i>Electrochimica Acta</i> , 2017 , 254, 44-49	6.7	43
65	High-Efficiency Co/CoS@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 & Interfaces</i> , 2017 , 9, 34269-34278	9.5	53
64	Highly efficient electrocatalytic oxidation of urea on a Mn-incorporated Ni(OH)/carbon fiber cloth for energy-saving rechargeable Zn-air batteries. <i>Chemical Communications</i> , 2017 , 53, 10711-10714	5.8	22
63	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	3.6	16
62	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	3.7	22
61	Fabrication of hierarchical iron-containing MnO ₂ hollow microspheres assembled by thickness-tunable nanosheets for efficient phosphate removal. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14814-14826	13	46
60	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, 421-9	9.3	46
59	Growth and in situ transformation of TiO ₂ and HTiOF ₃ crystals on chitosan-polyvinyl alcohol co-polymer substrates under vapor phase hydrothermal conditions. <i>Nano Research</i> , 2016 , 9, 745-754	10	16

58	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, 4095-101	3.6	79
57	Enhanced photocatalytic activity of a hollow TiO ₂ @Au@TiO ₂ sandwich structured nanocomposite. <i>RSC Advances</i> , 2016 , 6, 18958-18964	3.7	11
56	Hollow mesoporous SiO ₂ sphere nanoarchitectures with encapsulated silver nanoparticles for catalytic reduction of 4-nitrophenol. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 663-670	6.8	23
55	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	9.3	37
54	An adsorption-reduction synergistic effect of mesoporous Fe/SiO ₂ @H ₂ hollow spheres for the removal of Cr(VI) ions. <i>RSC Advances</i> , 2016 , 6, 27039-27046	3.7	14
53	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, 40-8	12.8	150
52	3D graphene/EMnO ₂ aerogels for highly efficient and reversible removal of heavy metal ions. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1970-1979	13	211
51	Highly Ordered Single Crystalline Nanowire Array Assembled Three-Dimensional Nb ₃ O ₇ (OH) and Nb ₂ O ₅ Superstructures for Energy Storage and Conversion Applications. <i>ACS Nano</i> , 2016 , 10, 507-14	16.7	65
50	A nanoparticulate liquid binding phase based DGT device for aquatic arsenic measurement. <i>Talanta</i> , 2016 , 160, 225-232	6.2	15
49	Oxoacetohydrazide-functionalized cellulose with enhanced adsorption performance. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	4
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