

Guozhong Wang

List of Publications by Year in descending order

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188
papers

10,638
citations

24978

57
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40881

93
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all docs

192
docs citations

192
times ranked

13115
citing authors

#	ARTICLE	IF	CITATIONS
1	Cobalt Covalent Doping in MoS ₂ to Induce Bifunctionality of Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1801450.	11.1	402
2	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.	7.2	356
3	Co/Co ₉ S ₈ @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.	8.2	260
4	3D graphene/MnO ₂ aerogels for highly efficient and reversible removal of heavy metal ions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1970-1979.	5.2	257
5	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.	5.2	230
6	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.	2.2	221
7	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
8	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.	5.4	206
9	One-step synthesis of cobalt-doped MoS ₂ nanosheets as bifunctional electrocatalysts for overall water splitting under both acidic and alkaline conditions. <i>Chemical Communications</i> , 2018, 54, 3859-3862.	2.2	196
10	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.	6.5	195
11	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.	6.6	182
12	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.	3.2	177
13	Dramatically Enhanced Ambient Ammonia Electrosynthesis Performance by In-Operando Created Li-S Interactions on MoS ₂ Electrocatalyst. <i>Advanced Energy Materials</i> , 2019, 9, 1803935.	10.2	176
14	Electrocatalytically Active Fe ₄ (O) ₄ Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13423-13429.	7.2	161
15	Synthesis and optical properties of S-doped ZnO nanowires. <i>Applied Physics Letters</i> , 2003, 82, 4791-4793.	1.5	154
16	Size Modulation of Zirconium-Based Metal Organic Frameworks for Highly Efficient Phosphate Remediation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32151-32160.	4.0	146
17	Fe ²⁺ -FeOOH Nanorods/Carbon Foam-Based Hierarchically Porous Monolith for Highly Effective Arsenic Removal. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13480-13490.	4.0	143
18	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.	8.8	142

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19	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.	4.0	140
20	Nitrogen-Doped Carbon Nanotube Confined Co ^x N _x Sites for Selective Hydrogenation of Biomass-Derived Compounds. <i>Advanced Materials</i> , 2019, 31, e1808341.	11.1	138
21	Cu doping in CeO ₂ to form multiple oxygen vacancies for dramatically enhanced ambient N ₂ reduction performance. <i>Chemical Communications</i> , 2019, 55, 2952-2955.	2.2	138
22	Facile fabrication of composition-tunable Fe/Mg bimetal-organic frameworks for exceptional arsenate removal. <i>Chemical Engineering Journal</i> , 2019, 357, 579-588.	6.6	124
23	Transforming chitosan into N-doped graphitic carbon electrocatalysts. <i>Chemical Communications</i> , 2015, 51, 1334-1337.	2.2	117
24	Fe/Fe ₂ O ₃ 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.	5.8	116
25	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.	10.8	115
26	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
27	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.	3.0	108
28	Hierarchical iron containing γ -MnO ₂ 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.	6.6	106
29	One-pot synthesis of nanotube-based hierarchical copper silicate hollow spheres. <i>Chemical Communications</i> , 2008, , 6555.	2.2	104
30	Micro/nanostructured γ -Fe ₂ O ₃ spheres: synthesis, characterization, and structurally enhanced visible-light photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2012, 22, 9704.	6.7	103
31	Enhanced Gas-Sensing Properties of the Hierarchical TiO ₂ Hollow Microspheres with Exposed High-Energy {001} Crystal Facets. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24902-24908.	4.0	99
32	Pseudocapacitive deionization of uranium(VI) with WO ₃ /C electrode. <i>Chemical Engineering Journal</i> , 2020, 398, 125460.	6.6	99
33	Synthesis and photoluminescence properties of ZnMnS nanobelts. <i>Applied Physics Letters</i> , 2004, 84, 2157-2159.	1.5	98
34	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.	1.3	97
35	Fe-Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23521-23526.	7.2	91
36	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.	1.6	88

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37	Formation of Bi ₂ Ni ₂ C Coordination to Stabilize the Exposed Active Nitrogen Atoms in gâ€C ₃ N ₄ for Dramatically Enhanced Photocatalytic Ammonia Synthesis Performance. <i>Small</i> , 2020, 16, e1906880.	5.2	88
38	In situ growth of Î±-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.	5.2	86
39	Hydrothermal synthesis and characterization of KNbO ₃ nanorods. <i>CrystEngComm</i> , 2009, 11, 1958.	1.3	84
40	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, 507-514.	7.3	81
41	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.	1.0	81
42	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.	6.5	80
43	Nitrogen-free commercial carbon cloth with rich defects for electrocatalytic ammonia synthesis under ambient conditions. <i>Chemical Communications</i> , 2018, 54, 11188-11191.	2.2	79
44	Ethanol introduced synthesis of ultrastable 1T-MoS ₂ for removal of Cr(VI). <i>Journal of Hazardous Materials</i> , 2020, 394, 122525.	6.5	79
45	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.	5.2	75
46	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.	6.5	73
47	Zn nanobelts: a new quasi one-dimensional metal nanostructure. <i>Chemical Communications</i> , 2001, , 2632-2633.	2.2	71
48	High-Efficiency Co/Co _x S _y @S,N-Codoped Porous Carbon Electrocatalysts Fabricated from Controllably Grown Sulfur- and Nitrogen-Including Cobalt-Based MOFs for Rechargeable Zincâ€Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34269-34278.	4.0	71
49	Hierarchical Porous Carbon Materials Derived from Kelp for Superior Capacitive Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8735-8743.	3.2	71
50	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.	1.7	69
51	Ambient Electrosynthesis of Ammonia on a Coreâ€Shell Structured Au@CeO ₂ Catalyst: Contribution of Oxygen Vacancies in CeO ₂ . <i>Chemistry - A European Journal</i> , 2019, 25, 5904-5911.	1.7	69
52	Spontaneous Redox Approach to the Self-Assembly Synthesis of Au/CeO ₂ Plasmonic Photocatalysts with Rich Oxygen Vacancies for Selective Photocatalytic Conversion of Alcohols. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31394-31403.	4.0	67
53	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.	5.2	66
54	3D Fe ₃ O ₄ @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.	5.2	63

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55	Europium-based infinite coordination polymer nanospheres as an effective fluorescence probe for phosphate sensing. <i>RSC Advances</i> , 2017, 7, 8661-8669.	1.7	62
56	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.	2.6	62
57	Highly Dispersed Copper Nanoparticles Supported on Activated Carbon as an Efficient Catalyst for Selective Reduction of Vanillin. <i>Small</i> , 2018, 14, e1801953.	5.2	62
58	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.	5.2	60
59	Selective Determination of Cr(VI) by Glutaraldehyde Cross-Linked Chitosan Polymer Fluorophores. <i>ACS Sensors</i> , 2018, 3, 792-798.	4.0	60
60	A hierarchical hybrid monolith: MoS ₄ 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.	5.2	58
61	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.	5.8	56
62	Liberating Nâ€¢CNTs Confined Highly Dispersed Coï¿½N_x</i> Sites for Selective Hydrogenation of Quinolines. <i>Advanced Materials</i> , 2019, 31, e1906051.	11.1	56
63	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.	5.0	55
64	Ultrafine nickelâ€“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.	5.2	53
65	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.	5.0	51
66	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.	6.6	51
67	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.	5.0	50
68	Preparation and characterization of ordered semiconductor CdO nanowire arrays. <i>Journal of Materials Science Letters</i> , 2001, 20, 1687-1689.	0.5	49
69	In situ self-assembly synthesis and photocatalytic performance of hierarchical Bi _{0.5} Na _{0.5} TiO ₃ micro/nanostructures. <i>Journal of Materials Chemistry</i> , 2009, 19, 2253.	6.7	49
70	Lignosulfonate functionalized g-C₃N₄/carbonized wood sponge for highly efficient heavy metal ion scavenging. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12687-12698.	5.2	48
71	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.	2.1	47
72	Vapor-phase hydrothermal transformation of a nanosheet array structure Ni(OH)₂ into ultrathin Ni₃S₂ nanosheets on nickel foam for high-efficiency overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19201-19209.	5.2	47

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73	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.	3.2	46
74	Adsorption of Hg ²⁺ by thiol functionalized hollow mesoporous silica microspheres with magnetic cores. <i>RSC Advances</i> , 2015, 5, 51446-51453.	1.7	45
75	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.	5.0	45
76	Fabrication of hierarchically porous NH ₂ -MIL-53/wood-carbon hybrid membrane for highly effective and selective sequestration of Pb ²⁺ . <i>Chemical Engineering Journal</i> , 2020, 387, 124141.	6.6	44
77	Selective electrocatalytic hydrogenation of nitrobenzene over copper-platinum alloying catalysts: Experimental and theoretical studies. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120545.	10.8	44
78	An efficient and reusable bimetallic Ni ₃ Fe NPs@C catalyst for selective hydrogenation of biomass-derived levulinic acid to γ -valerolactone. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1599-1607.	6.9	43
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.	1.3	43
80	Selective Pseudocapacitive Deionization of Calcium Ions in Copper Hexacyanoferrate. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41437-41445.	4.0	43
81	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.	6.9	43
82	Structure-enhanced removal of Cr(VI) in aqueous solutions using MoS ₂ ultrathin nanosheets. <i>New Journal of Chemistry</i> , 2018, 42, 9006-9015.	1.4	42
83	MoS ₂ Nanodots Anchored on Reduced Graphene Oxide for Efficient N ₂ Fixation to NH ₃ . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2320-2326.	3.2	42
84	One-step fabrication of high performance micro/nanostructured Fe ₃ S ₄ @C magnetic adsorbent with easy recovery and regeneration properties. <i>CrystEngComm</i> , 2013, 15, 2956.	1.3	40
85	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.	5.2	40
86	Enhanced photocatalytic activity of hierarchical structure TiO ₂ hollow spheres with reactive (001) facets for the removal of toxic heavy metal Cr(VI). <i>RSC Advances</i> , 2014, 4, 34577-34583.	1.7	39
87	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.	5.2	39
88	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.	4.0	38
89	Plasma-etching enhanced titanium oxynitride active phase with high oxygen content for ambient electrosynthesis of ammonia. <i>Electrochemistry Communications</i> , 2019, 100, 90-95.	2.3	38
90	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.	5.0	38

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91	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.	1.6	37
92	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.	1.7	37
93	Efficient electrocatalytic nitrogen reduction to ammonia with aqueous silver nanodots. <i>Communications Chemistry</i> , 2021, 4, .	2.0	36
94	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.	1.7	35
95	In Situ Growth of Ultrathin Ni(OH) ₂ Nanosheets as Catalyst for Electrocatalytic Oxidation Reactions. <i>ChemSusChem</i> , 2021, 14, 2935-2942.	3.6	35
96	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.	6.6	34
97	A three-dimensional porous Co/C/carbon foam hybrid monolith for exceptional oil-water separation. <i>Nanoscale</i> , 2019, 11, 12161-12168.	2.8	33
98	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.	3.9	33
99	Highly efficient electrocatalytic oxidation of urea on a Mn-incorporated Ni(OH) ₂ /carbon fiber cloth for energy-saving rechargeable Zn-air batteries. <i>Chemical Communications</i> , 2017, 53, 10711-10714.	2.2	32
100	Orientable pore-size-distribution of ZnO nanostructures and their superior photocatalytic activity. <i>CrystEngComm</i> , 2010, 12, 2821.	1.3	31
101	Organization of Mn ₃ O ₄ nanoparticles into MnOOH nanowires via hydrothermal treatment of the colloids induced by laser ablation in water. <i>CrystEngComm</i> , 2011, 13, 1063-1066.	1.3	31
102	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.	1.5	31
103	Synthesis of KNbO ₃ Nanorods by Hydrothermal Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1465-1469.	0.9	29
104	Cobalt single atom catalysts for the efficient electrosynthesis of hydrogen peroxide. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2829-2834.	3.0	29
105	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
106	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.	3.0	27
107	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.	3.0	27
108	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.	1.4	27

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109	Porous carbon nanosheets functionalized with Fe ₃ O ₄ nanoparticles for capacitive removal of heavy metal ions from water. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 331-340.	1.2	27
110	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.	6.6	27
111	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.	4.0	27
112	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.	1.6	26
113	Trimetallic Sulfide Hollow Superstructures with Engineered Band Center for Oxygen Reduction to Hydrogen Peroxide in Alkaline Solution. <i>Advanced Science</i> , 2022, 9, e2104768.	5.6	26
114	A facile synthesis of single crystal TiO ₂ nanorods with reactive {100} facets and their enhanced photocatalytic activity. <i>CrystEngComm</i> , 2014, 16, 3091.	1.3	25
115	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.	5.3	24
116	An oxygen-coordinated molybdenum single atom catalyst for efficient electrosynthesis of ammonia. <i>Chemical Communications</i> , 2021, 57, 5410-5413.	2.2	24
117	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.	2.2	23
118	Electrocatalytically Active Fe ₂ O ₄ Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. <i>Angewandte Chemie</i> , 2020, 132, 13525-13531.	1.6	23
119	A low-cost cementite (Fe ₃ C) nanocrystal@N-doped graphitic carbon electrocatalyst for efficient oxygen reduction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27527-27533.	1.3	22
120	Hydroxyapatite nanoparticles in root cells: reducing the mobility and toxicity of Pb in rice. <i>Environmental Science: Nano</i> , 2018, 5, 398-407.	2.2	22
121	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.	10.8	22
122	General in situ chemical etching synthesis of ZnO nanotips array. <i>Applied Physics Letters</i> , 2008, 93, 153110.	1.5	21
123	Water bath synthesis and enhanced photocatalytic performances of urchin-like micro/nanostructured γ -FeOOH. <i>Journal of Materials Research</i> , 2015, 30, 1629-1638.	1.2	21
124	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.	1.2	21
125	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.	1.4	21
126	Pseudocapacitive desalination via valence engineering with spindle-like manganese oxide/carbon composites. <i>Nano Research</i> , 2021, 14, 4878-4884.	5.8	21

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127	Decomposition and Crystallization of a Sol/Gel-Derived PbTiO ₃ Precursor. <i>Journal of the American Ceramic Society</i> , 2007, 90, 2649-2652.	1.9	20
128	Intrinsic Pseudocapacitive Affinity in Manganese Spinel Ferrite Nanospheres for High-Performance Selective Capacitive Removal of Ca ²⁺ and Mg ²⁺ . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38886-38896.	4.0	20
129	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.	5.8	19
130	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.	1.4	19
131	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.	3.0	19
132	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.	2.5	19
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