

Guoxin Zhang

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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.

86

papers

4,827

citations

26

h-index

69

g-index

90

ext. papers

5,600

ext. citations

8.7

avg, IF

5.65

L-index

#	Paper	IF	Citations
86	Graphene in mice: ultrahigh in vivo tumor uptake and efficient photothermal therapy. <i>Nano Letters</i> , 2010 , 10, 3318-23	11.5	1977
85	Evaluation Criteria for Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 11327-11335	3.8	409
84	Tuning Electronic Structure of NiFe Layered Double Hydroxides with Vanadium Doping toward High Efficient Electrocatalytic Water Oxidation. <i>Advanced Energy Materials</i> , 2018 , 8, 1703341	21.8	362
83	A general route via formamide condensation to prepare atomically dispersed metalnitrogen-carbon electrocatalysts for energy technologies. <i>Energy and Environmental Science</i> , 2019 , 12, 1317-1325	35.4	181
82	One-step scalable preparation of N-doped nanoporous carbon as a high-performance electrocatalyst for the oxygen reduction reaction. <i>Nano Research</i> , 2013 , 6, 293-301	10	137
81	A metallic CoS ₂ nanopyramid array grown on 3D carbon fiber paper as an excellent electrocatalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6306-6310	13	119
80	A 3D Nanoporous NiMo Electrocatalyst with Negligible Overpotential for Alkaline Hydrogen Evolution. <i>ChemElectroChem</i> , 2014 , 1, 1138-1144	4.3	94
79	Unconventional Carbon: Alkaline Dehalogenation of Polymers Yields N-Doped Carbon Electrode for High-Performance Capacitive Energy Storage. <i>Advanced Functional Materials</i> , 2016 , 26, 3340-3348	15.6	79
78	Hierarchical Ni _{0.25} Co _{0.75} (OH) ₂ nanoarrays for a high-performance supercapacitor electrode prepared by an in situ conversion process. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8327	13	68
77	Single Crystalline Ultrathin Nickel-Cobalt Alloy Nanosheets Array for Direct Hydrazine Fuel Cells. <i>Advanced Science</i> , 2017 , 4, 1600179	13.6	67
76	Highly Crystallized Cubic Cattierite CoS ₂ for Electrochemically Hydrogen Evolution over Wide pH Range from 0 to 14. <i>Electrochimica Acta</i> , 2014 , 148, 170-174	6.7	66
75	Room-temperature synthetic NiFe layered double hydroxide with different anions intercalation as an excellent oxygen evolution catalyst. <i>RSC Advances</i> , 2015 , 5, 55131-55135	3.7	62
74	Enhancement of capacitive deionization capacity of hierarchical porous carbon. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12730-12737	13	62
73	ZnO-promoted dechlorination for hierarchically nanoporous carbon as superior oxygen reduction electrocatalyst. <i>Nano Energy</i> , 2016 , 26, 241-247	17.1	60
72	Polymer Dehalogenation-Enabled Fast Fabrication of N,S-Codoped Carbon Materials for Superior Supercapacitor and Deionization Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29753-29759	9.59	59
71	Boosting the bifunctional oxygen electrocatalytic performance of atomically dispersed Fe site via atomic Ni neighboring. <i>Applied Catalysis B: Environmental</i> , 2020 , 274, 119091	21.8	56
70	Superaerophobic RuO ₂ -Based Nanostructured Electrode for High-Performance Chlorine Evolution Reaction. <i>Small</i> , 2017 , 13, 1602240	11	55

69	Tuning the wettability of carbon nanotube arrays for efficient bifunctional catalysts and Zn air batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7103-7110	13	50
68	Improving Energy Conversion Efficiency of Dye-Sensitized Solar Cells by Modifying TiO ₂ Photoanodes with Nitrogen-Reduced Graphene Oxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1234-1240	8.3	50
67	A highly-efficient oxygen evolution electrode based on defective nickel-iron layered double hydroxide. <i>Science China Materials</i> , 2018 , 61, 939-947	7.1	48
66	Hierarchical peony-like FeCo-NC with conductive network and highly active sites as efficient electrocatalyst for rechargeable Zn-air battery. <i>Nano Research</i> , 2020 , 13, 1090-1099	10	42
65	Atomically Dispersed Fe-N Modified with Precisely Located S for Highly Efficient Oxygen Reduction. <i>Nano-Micro Letters</i> , 2020 , 12, 116	19.5	38
64	N-doped crumpled graphene: bottom-up synthesis and its superior oxygen reduction performance. <i>Science China Materials</i> , 2016 , 59, 337-347	7.1	36
63	Using an AlCl ₃ /Urea Ionic Liquid Analog Electrolyte for Improving the Lifetime of Aluminum-Sulfur Batteries. <i>ChemElectroChem</i> , 2018 , 5, 3607-3611	4.3	34
62	Rational design of graphene oxide and its hollow CoO composite for superior oxygen reduction reaction. <i>Science China Materials</i> , 2015 , 58, 534-542	7.1	29
61	Cicada wing decorated by silver nanoparticles as low-cost and active/sensitive substrates for surface-enhanced Raman scattering. <i>Journal of Applied Physics</i> , 2014 , 115, 213101	2.5	28
60	Ultrathin atomic Mn-decorated formamide-converted N-doped carbon for efficient oxygen reduction reaction. <i>Nanoscale</i> , 2019 , 11, 15900-15906	7.7	26
59	Flexible carbon nanofiber film with diatomic Fe-Co sites for efficient oxygen reduction and evolution reactions in wearable zinc-air batteries. <i>Nano Energy</i> , 2021 , 87, 106147	17.1	26
58	High-performance aqueous battery with double hierarchical nanoarrays. <i>Nano Energy</i> , 2014 , 10, 229-234	17.1	24
57	Urchin-like TiO ₂ @C core-shell microspheres: coupled synthesis and lithium-ion battery applications. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 8808-11	3.6	23
56	Cobalt-Embedded Nitrogen-Doped Carbon Nanotubes as High-Performance Bifunctional Oxygen Catalysts. <i>Energy Technology</i> , 2017 , 5, 1265-1271	3.5	23
55	Pyrolysis-free formamide-derived N-doped carbon supporting atomically dispersed cobalt as high-performance bifunctional oxygen electrocatalyst. <i>Journal of Energy Chemistry</i> , 2020 , 49, 283-290	12	22
54	Ultras-small NiFe layered double hydroxide strongly coupled on atomically dispersed FeCo-NC nanoflowers as efficient bifunctional catalyst for rechargeable Zn-air battery. <i>Science China Materials</i> , 2020 , 63, 1182-1195	7.1	22
53	A two-volt aqueous supercapacitor from porous dehalogenated carbon. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6734-6739	13	19
52	Interconnected polypyrrole nanostructure for high-performance all-solid-state flexible supercapacitor. <i>Electrochimica Acta</i> , 2019 , 298, 918-923	6.7	19

51	An alternative pathway to water soluble functionalized graphene from the defluorination of graphite fluoride. <i>Carbon</i> , 2016 , 96, 1022-1027	10.4	18
50	A ternary B, N, P-Doped carbon material with suppressed water splitting activity for high-energy aqueous supercapacitors. <i>Carbon</i> , 2020 , 170, 127-136	10.4	18
49	One-Step Scalable Production of Co1& S/Graphene Nanocomposite as High-Performance Bifunctional Electrocatalyst. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 569-575	3.1	16
48	An advanced zinc air battery with nanostructured superwetting electrodes. <i>Energy Storage Materials</i> , 2019 , 17, 358-365	19.4	16
47	Extracting genomic DNA of foodstuff by polyamidoamine (PAMAM)-magnetite nanoparticles. <i>Talanta</i> , 2012 , 93, 166-71	6.2	16
46	Fabricating hierarchically porous carbon with well-defined open pores via polymer dehalogenation for high-performance supercapacitor. <i>Applied Surface Science</i> , 2018 , 440, 606-613	6.7	15
45	Understanding the "tailoring synthesis" of CdS nanorods by O2. <i>Inorganic Chemistry</i> , 2012 , 51, 1302-8	5.1	15
44	V2O5 nanostructure arrays: controllable synthesis and performance as cathodes for lithium ion batteries. <i>RSC Advances</i> , 2013 , 3, 19937	3.7	14
43	Room-temperature rapid synthesis of metal-free doped carbon materials. <i>Carbon</i> , 2017 , 115, 28-33	10.4	13
42	Interfacial dehalogenation-enabled hollow N-doped carbon network as bifunctional catalysts for rechargeable Zn-air battery. <i>Electrochimica Acta</i> , 2017 , 247, 1044-1051	6.7	13
41	Green sacrificial template fabrication of hierarchical MoO3 nanostructures. <i>CrystEngComm</i> , 2014 , 16, 3935	3.3	12
40	Promoted Oxygen Reduction Activity of Ag/Reduced Graphene Oxide by Incorporated CoOx. <i>Electrochimica Acta</i> , 2014 , 132, 136-141	6.7	12
39	One-pot solvothermal method to prepare functionalized Fe3O4 nanoparticles for bioseparation. <i>Journal of Materials Research</i> , 2012 , 27, 1006-1013	2.5	12
38	Hierarchically Porous N, P-Codoped Carbon Materials for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10080-10088	6.1	12
37	Residual metals present in "metal-free" N-doped carbons. <i>Chemical Communications</i> , 2015 , 51, 15585-7	5.8	11
36	Preparation of Multi-Metal Oxide Hollow Sphere Using Layered Double Hydroxide Precursors. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 2183-2188	4.9	11
35	Low-Cost Gel Polymer Electrolyte for High-Performance Aluminum-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28164-28170	9.5	10
34	Binary FeCo-N-doped carbon/carbon nanotube composites for efficient oxygen reduction and high-performance aluminum-air battery. <i>Journal of Power Sources</i> , 2020 , 456, 227933	8.9	9

33	Sacrificial carbon nitride-templated hollow FeCo-NC material for highly efficient oxygen reduction reaction and Al-air battery. <i>Electrochimica Acta</i> , 2020 , 341, 136066	6.7	8
32	Scalable fabrication of hierarchically porous N-doped carbon electrode materials for high-performance aqueous symmetric supercapacitor. <i>Journal of Materials Science</i> , 2018 , 53, 5194-5203	4.3	8
31	Synthesis of Ultrastable Ag Nanoplates/Polyethylenimine-Reduced Graphene Oxide and Its Application as a Versatile Electrochemical Sensor. <i>Chemistry - A European Journal</i> , 2016 , 22, 10923-9	4.8	8
30	Detection and isolation of dendritic cells using Lewis X-functionalized magnetic nanoparticles. <i>Biomacromolecules</i> , 2012 , 13, 3039-45	6.9	8
29	A reliable gel polymer electrolyte enables stable cycling of rechargeable aluminum batteries in a wide-temperature range. <i>Journal of Power Sources</i> , 2021 , 497, 229839	8.9	8
28	Assisting Atomic Dispersion of Fe in N-Doped Carbon by Aerosil for High-Efficiency Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25832-25842	9.5	7
27	Topotactic conversion of calcium carbide to highly crystalline few-layer graphene in water. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23638-23643	13	7
26	Polyvinylchloride-derived N, S co-doped carbon as an efficient sulfur host for high-performance Li-S batteries.. <i>RSC Advances</i> , 2018 , 8, 37811-37816	3.7	6
25	Tetrafunctional template-assisted strategy to precisely construct co-doped Sb@C nanofiber with longitudinal tunnels for ultralong-life and high-rate sodium storage. <i>Energy Storage Materials</i> , 2022 , 48, 90-100	19.4	6
24	Electrochemical heavy metal removal from water using PVC waste-derived N, S co-doped carbon materials.. <i>RSC Advances</i> , 2020 , 10, 4064-4070	3.7	5
23	Thin sandwich graphene oxide@N-doped carbon composites for high-performance supercapacitors. <i>RSC Advances</i> , 2017 , 7, 22071-22078	3.7	4
22	Fabricating Sulfur/Oxygen Co-Doped Crumpled Graphene for High-Performance Oxygen Reduction Reaction Electrocatalysis. <i>ChemElectroChem</i> , 2018 , 5, 242-246	4.3	4
21	Enhancing Oxygen Reduction Activity by Exposing (111) Facets of CoFe ₂ O ₄ Octahedron on Graphene. <i>ChemistrySelect</i> , 2017 , 2, 9878-9881	1.8	3
20	Molten alkaline synthesis of highly porous carbon from calcium carbide. <i>Microporous and Mesoporous Materials</i> , 2019 , 278, 397-402	5.3	3
19	N-doped carbon nanoflower-supported Fe-N ₄ motifs for high-efficiency reduction of oxygen in both alkaline and acid. <i>Chemical Engineering Journal</i> , 2021 , 424, 130401	14.7	3
18	A catalyst-free preparation of conjugated poly iron-phthalocyanine and its superior oxygen reduction reaction activity. <i>Chemical Engineering Journal</i> , 2022 , 445, 136784	14.7	3
17	Nucleic acid from beans extracted by ethanediamine magnetic particles. <i>Journal of Food Science and Technology</i> , 2015 , 52, 1784-9	3.3	2
16	Dehalogenated carbon-hosted cobalt-nitrogen complexes for high-performance electrochemical reduction of oxygen. <i>Carbon</i> , 2018 , 139, 725-731	10.4	2

15	Oxygenated boron-doped carbon via polymer dehalogenation as an electrocatalyst for high-efficiency O ₂ reduction to H ₂ O ₂ . <i>Science China Materials</i> , 2022 , 65, 1276	7.1	2
14	Confined synthesis of MoS ₂ with rich co-doped edges for enhanced hydrogen evolution performance. <i>Journal of Energy Chemistry</i> , 2022 ,	12	2
13	Converting Polyvinyl Chloride Plastic Wastes to Carbonaceous Materials via Room-Temperature Dehalogenation for High-Performance Supercapacitor. <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	2
12	Single-atom Zn for boosting supercapacitor performance. <i>Nano Research</i> ,1	10	2
11	A 3D Nanoporous NiMo Electrocatalyst with Negligible Overpotential for Alkaline Hydrogen Evolution. <i>ChemElectroChem</i> , 2014 , 1, 1089-1089	4.3	1
10	Hierarchical porous N,S-codoped carbon material derived from halogenated polymer for battery applications. <i>Nano Select</i> , 2021 , 2, 581-590	3.1	1
9	Toward High-Voltage/Energy Symmetric Supercapacitors via Interface Engineering 2018 ,		1
8	Rational Construction of Fluffy CNT on Binary FeCo-NC as High-Efficiency S Host for LiS Battery. <i>ChemElectroChem</i> , 2021 , 8, 3239-3242	4.3	1
7	An integrated strategy based on Schiff base reactions to construct unique two-dimensional nanostructures for intrinsic pseudocapacitive sodium/lithium storage. <i>Chemical Engineering Journal</i> , 2022 , 429, 132339	14.7	1
6	A density functional theory study of the oxygen reduction reaction on the (111) and (100) surfaces of cobalt(II) oxide. <i>Progress in Reaction Kinetics and Mechanism</i> , 2019 , 44, 122-131	0.5	0
5	Research Progresses and Challenges of Flexible Zinc Battery.. <i>Frontiers in Chemistry</i> , 2022 , 10, 827563	5	0
4	Hierarchically porous carbon from foamed Mg chelate for supercapacitor and capacitive deionization. <i>Ionics</i> , 2020 , 26, 4713-4721	2.7	
3	A general approach to homogeneous sub-nanometer metallic particle/graphene composites by S-coordinator. <i>Solid State Communications</i> , 2018 , 273, 17-22	1.6	
2	Size Control Methods and Size-Dependent Properties of Graphene 2016 , 27-40		
1	Formamide-derived "glue" for the hundred-gram scale synthesis of atomically dispersed iron-nitrogen-carbon electrocatalysts. <i>Nanoscale</i> , 2021 , 13, 17890-17899	7.7	