

Guoxin Zhang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3412919/guoxin-zhang-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
85	Confined synthesis of MoS ₂ with rich co-doped edges for enhanced hydrogen evolution performance. <i>Journal of Energy Chemistry</i> , 2022 ,	12	2
84	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
83	Research Progresses and Challenges of Flexible Zinc Battery.. <i>Frontiers in Chemistry</i> , 2022 , 10, 827563	5	0
82	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
81	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
80	Low-Cost Gel Polymer Electrolyte for High-Performance Aluminum-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28164-28170	9.5	10
79	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
78	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
77	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	
76	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
75	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
74	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
73	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
72	Hierarchically porous carbon from foamed Mg chelate for supercapacitor and capacitive deionization. <i>Ionics</i> , 2020 , 26, 4713-4721	2.7	
71	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
70	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

69	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
68	Ultrasml 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
67	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
66	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
65	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
64	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
63	Hierarchically Porous N, P-Codoped Carbon Materials for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10080-10088	6.1	12
62	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
61	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
60	A general route via formamide condensation to prepare atomically dispersed metalNitrogenCarbon electrocatalysts for energy technologies. <i>Energy and Environmental Science</i> , 2019 , 12, 1317-1325	35.4	181
59	An advanced zinc air battery with nanostructured superwetting electrodes. <i>Energy Storage Materials</i> , 2019 , 17, 358-365	19.4	16
58	Ultrathin atomic Mn-decorated formamide-converted N-doped carbon for efficient oxygen reduction reaction. <i>Nanoscale</i> , 2019 , 11, 15900-15906	7.7	26
57	Interconnected polypyrrole nanostructure for high-performance all-solid-state flexible supercapacitor. <i>Electrochimica Acta</i> , 2019 , 298, 918-923	6.7	19
56	Molten alkaline synthesis of highly porous carbon from calcium carbide. <i>Microporous and Mesoporous Materials</i> , 2019 , 278, 397-402	5.3	3
55	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	
54	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
53	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
52	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

51	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
50	Dehalogenated carbon-hosted cobalt-nitrogen complexes for high-performance electrochemical reduction of oxygen. <i>Carbon</i> , 2018 , 139, 725-731	10.4	2
49	Fabricating Sulfur/Oxygen Co-Doped Crumpled Graphene for High-Performance Oxygen Reduction Reaction Electrocatalysis. <i>ChemElectroChem</i> , 2018 , 5, 242-246	4.3	4
48	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
47	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
46	Toward High-Voltage/Energy Symmetric Supercapacitors via Interface Engineering 2018 ,		1
45	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
44	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
43	Room-temperature rapid synthesis of metal-free doped carbon materials. <i>Carbon</i> , 2017 , 115, 28-33	10.4	13
42	A two-volt aqueous supercapacitor from porous dehalogenated carbon. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6734-6739	13	19
41	Thin sandwich graphene oxide@N-doped carbon composites for high-performance supercapacitors. <i>RSC Advances</i> , 2017 , 7, 22071-22078	3.7	4
40	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
39	Single Crystalline Ultrathin Nickel-Cobalt Alloy Nanosheets Array for Direct Hydrazine Fuel Cells. <i>Advanced Science</i> , 2017 , 4, 1600179	13.6	67
38	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
37	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
36	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
35	Cobalt-Embedded Nitrogen-Doped Carbon Nanotubes as High-Performance Bifunctional Oxygen Catalysts. <i>Energy Technology</i> , 2017 , 5, 1265-1271	3.5	23
34	Superaerophobic RuO ₂ -Based Nanostructured Electrode for High-Performance Chlorine Evolution Reaction. <i>Small</i> , 2017 , 13, 1602240	11	55

33	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
32	Size Control Methods and Size-Dependent Properties of Graphene 2016 , 27-40		
31	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
30	One-Step Scalable Production of Co ₁ S ₂ /Graphene Nanocomposite as High-Performance Bifunctional Electrocatalyst. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 569-575	3.1	16
29	An alternative pathway to water soluble functionalized graphene from the defluorination of graphite fluoride. <i>Carbon</i> , 2016 , 96, 1022-1027	10.4	18
28	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
27	ZnO-promoted dechlorination for hierarchically nanoporous carbon as superior oxygen reduction electrocatalyst. <i>Nano Energy</i> , 2016 , 26, 241-247	17.1	60
26	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
25	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
24	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
23	Enhancement of capacitive deionization capacity of hierarchical porous carbon. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12730-12737	13	62
22	Residual metals present in "metal-free" N-doped carbons. <i>Chemical Communications</i> , 2015 , 51, 15585-7	5.8	11
21	Nucleic acid from beans extracted by ethanediamine magnetic particles. <i>Journal of Food Science and Technology</i> , 2015 , 52, 1784-9	3.3	2
20	Highly Crystallized Cubic Catterite 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
19	Green sacrificial template fabrication of hierarchical MoO ₃ nanostructures. <i>CrystEngComm</i> , 2014 , 16, 3935	3.3	12
18	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
17	A 3D Nanoporous NiMo Electrocatalyst with Negligible Overpotential for Alkaline Hydrogen Evolution. <i>ChemElectroChem</i> , 2014 , 1, 1089-1089	4.3	1
16	High-performance aqueous battery with double hierarchical nanoarrays. <i>Nano Energy</i> , 2014 , 10, 229-234	17.1	24

15	A 3D Nanoporous NiMo Electrocatalyst with Negligible Overpotential for Alkaline Hydrogen Evolution. <i>ChemElectroChem</i> , 2014 , 1, 1138-1144	4.3	94
14	Promoted Oxygen Reduction Activity of Ag/Reduced Graphene Oxide by Incorporated CoOx. <i>Electrochimica Acta</i> , 2014 , 132, 136-141	6.7	12
13	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
12	Improving Energy Conversion Efficiency of Dye-Sensitized Solar Cells by Modifying TiO2 Photoanodes with Nitrogen-Reduced Graphene Oxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1234-1240	8.3	50
11	V2O5 nanostructure arrays: controllable synthesis and performance as cathodes for lithium ion batteries. <i>RSC Advances</i> , 2013 , 3, 19937	3.7	14
10	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
9	Hierarchical Ni0.25Co0.75(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
8	Understanding the "tailoring synthesis" of CdS nanorods by O2. <i>Inorganic Chemistry</i> , 2012 , 51, 1302-8	5.1	15
7	Detection and isolation of dendritic cells using Lewis X-functionalized magnetic nanoparticles. <i>Biomacromolecules</i> , 2012 , 13, 3039-45	6.9	8
6	Extracting genomic DNA of foodstuff by polyamidoamine (PAMAM)-magnetite nanoparticles. <i>Talanta</i> , 2012 , 93, 166-71	6.2	16
5	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
4	One-pot solvothermal method to prepare functionalized Fe3O4 nanoparticles for bioseparation. <i>Journal of Materials Research</i> , 2012 , 27, 1006-1013	2.5	12
3	Evaluation Criteria for Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 11327-11335	3.8	409
2	Graphene in mice: ultrahigh in vivo tumor uptake and efficient photothermal therapy. <i>Nano Letters</i> , 2010 , 10, 3318-23	11.5	1977
1	Single-atom Zn for boosting supercapacitor performance. <i>Nano Research</i> , 1	10	2