

Yong Zhang

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.

43 papers	1,959 citations	16 h-index	44 g-index
44 ext. papers	2,313 ext. citations	4.3 avg, IF	4.43 L-index

#	Paper	IF	Citations
43	Dual zeolitic imidazolate frameworks derived cobalt- and nitrogen-doped carbon nanotube-grafted flower- and leaf-like hierarchical porous carbon electrocatalysts for oxygen reduction. <i>Ionics</i> , 2022 , 28, 2309	2.7	0
42	Advances and challenges in improvement of the electrochemical performance for lead-acid batteries: A comprehensive review. <i>Journal of Power Sources</i> , 2022 , 520, 230800	8.9	7
41	Facile Synthesis of Novel Parallelogram-Like $\text{NH}_4\text{CoPO}_4 \cdot \text{H}_2\text{O}/\text{Ni}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}/\text{MnO}_2$ Composites for High-Performance Supercapacitors. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021 , 18,	2	1
40	Electrodeposition, formation mechanism, and electrocatalytic performance of Co-Ni-P ternary catalysts coated on carbon fiber paper. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 1503-1512	2.6	4
39	Synthesis of N-doped Co@C/CNT materials based on ZIF-67 and their electrocatalytic performance for oxygen reduction. <i>Ionics</i> , 2021 , 27, 2561-2569	2.7	3
38	MOF-derived N-doped carbon coated Co/RGO composites with enhanced electrocatalytic activity for oxygen reduction reaction. <i>Inorganic Chemistry Communication</i> , 2021 , 123, 108330	3.1	4
37	Recent advances and challenges of electrode materials for flexible supercapacitors. <i>Coordination Chemistry Reviews</i> , 2021 , 438, 213910	23.2	60
36	$\text{CoN}_x/\text{NiFeO}_x$ /nitrogen-doping reduced graphene oxide nanocomposite derived from layered double hydroxide precursor as an efficient bifunctional electrocatalyst for oxygen electrocatalytic reactions. <i>Ionics</i> , 2020 , 26, 1885-1894	2.7	4
35	Hierarchical urchin-like Fe_2O_3 structures grown directly on Ti foils for binder-free lithium-ion batteries with fast charging/discharging properties. <i>Inorganic Chemistry Communication</i> , 2020 , 113, 107769	2.7	5
34	New $\text{NiMoO}_4/\text{CoMoO}_4$ composite electrodes for enhanced performance supercapacitors. <i>Ionics</i> , 2020 , 26, 3579-3590	2.7	7
33	Morphology-dependent NiMoO_4 /carbon composites for high performance supercapacitors. <i>Inorganic Chemistry Communication</i> , 2020 , 111, 107631	3.1	40
32	Co/NC-Gr composite derived from ZIF-67: Effects of preparation method on the structure and electrocatalytic performance for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 4403-4416	6.7	16
31	Template-like N, S and O tri-doping activated carbon derived from helianthus pallet as high-performance material for supercapacitors. <i>Diamond and Related Materials</i> , 2020 , 102, 107693	3.5	16
30	Influence of metallic oxide on the morphology and enhanced supercapacitive performance of NiMoO_4 electrode material. <i>Inorganic Chemistry Communication</i> , 2020 , 112, 107697	3.1	20
29	Methanol-tolerant $\text{Se}^{\text{Pt}}/\text{C}$: effects of Se content on the structure and electrocatalytic performance for oxygen reduction reaction. <i>Ionics</i> , 2020 , 26, 1315-1323	2.7	4
28	Metal oxide modified $(\text{NH}_4)(\text{Ni},\text{Co})\text{PO}_4 \cdot 0.67\text{H}_2\text{O}$ composite as high-performance electrode materials for supercapacitors. <i>Inorganic Chemistry Communication</i> , 2020 , 112, 107696	3.1	6
27	Fabrication and bifunctional electrocatalytic performance of $\text{FeNi}_3/\text{MnFe}_2\text{O}_4$ /nitrogen-doping reduced graphene oxide nanocomposite for oxygen electrocatalytic reactions. <i>Ionics</i> , 2020 , 26, 991-1001	2.7	4

26	Platanus Fruit-Like Nickel Cobalt Ammonium Phosphate/MWCNTs Composite Grown on Nickel Foam for High-Performance Supercapacitors. <i>Nano</i> , 2020 , 15, 2050044	1.1	1
25	High-performance supercapacitor electrodes based on NiMoO ₄ nanorods. <i>Journal of Materials Research</i> , 2019 , 34, 2435-2444	2.5	6
24	Facilely synthesized NiCo ₂ O ₄ /CuO-x composite with improved electrochemical behavior for high-rate supercapacitors. <i>Materials Research Express</i> , 2019 , 6, 075518	1.7	3
23	Controllable synthesis and bi-functional electrocatalytic performance towards oxygen electrocatalytic reactions of Co ₃ O ₄ nanoflakes/nitrogen-doped modified CMK-3 nanocomposite. <i>Inorganic Chemistry Communication</i> , 2019 , 108, 107524	3.1	8
22	Sol-gel synthesis and electrochemical performance of NiCo ₂ O ₄ nanoparticles for supercapacitor applications. <i>Journal of Electrochemical Science and Engineering</i> , 2019 , 9, 243-253	1.9	9
21	NiMoO ₄ nanorods supported on nickel foam for high-performance supercapacitor electrode materials. <i>Journal of Renewable and Sustainable Energy</i> , 2018 , 10, 054101	2.5	26
20	Methanol tolerant core-shell RuFeSe@Pt/C catalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 20658-20668	6.7	22
19	Synthesis and electrochemical performance of MnO ₂ /BC composite as active materials for supercapacitors. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 111, 233-237	6	39
18	Synthesis and electrochemical properties of hollow-porous MnO ₂ -graphene micro-nano spheres for supercapacitor applications. <i>Powder Technology</i> , 2014 , 267, 268-272	5.2	23
17	Electrochemical capacitance characteristics of corn-like MnO ₂ prepared by pulse electrodeposition. <i>Materials Letters</i> , 2014 , 135, 19-23	3.3	3
16	Tartaric acid assisted synthesis of Li ₂ FeSiO ₄ /C: Effect of carbon content on the electrochemical performance of Li ₂ FeSiO ₄ /C for lithium ion batteries. <i>Powder Technology</i> , 2014 , 253, 638-643	5.2	23
15	Facile synthesis and electrochemical performance of manganese dioxide doped by activated carbon, carbon nanofiber and carbon nanotube. <i>Powder Technology</i> , 2014 , 262, 150-155	5.2	24
14	Effects of nickel-doped lithium vanadium phosphate on the performance of lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2012 , 542, 187-191	5.7	32
13	Advances in new cathode material LiFePO ₄ for lithium-ion batteries. <i>Synthetic Metals</i> , 2012 , 162, 1315-1326	3.26	94
12	Synthesis and electrochemical properties of Li ₃ V ₂ (PO ₄) ₃ /MWCNTs composite cathodes. <i>Synthetic Metals</i> , 2011 , 161, 2170-2173	3.6	14
11	Electrochemical investigation of MnO ₂ electrode material for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11760-11766	6.7	126
10	Application of 2-chloro-1,4-dimethoxybenzene and 4-fluoro-1,2-dimethoxybenzene additives in electrolyte for liquid state Al-plastic film lithium-ion batteries. <i>Ionics</i> , 2011 , 17, 421-427	2.7	1
9	Effect of SO ₂ and CO ₂ additives on the cycle performances of commercial lithium-ion batteries. <i>Ionics</i> , 2011 , 17, 677-682	2.7	4

8	Impact of electrolyte additives (alkali metal salts) on the capacitive behavior of NiO-based capacitors. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 608-612	2.8	7
7	Electrosynthesis and capacitive performance of polyaniline/polypyrrole composite. <i>Polymer Composites</i> , 2011 , 32, 1-5	3	25
6	Application of Na ₂ CO ₃ Additive in Graphite Anode for Commercial Lithium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, A120		4
5	Preparation of nanostructures NiO and their electrochemical capacitive behaviors. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 2467-2470	6.7	72
4	Progress of electrochemical capacitor electrode materials: A review. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 4889-4899	6.7	1107
3	One-step microwave synthesis and characterization of carbon-modified nanocrystalline LiFePO ₄ . <i>Electrochimica Acta</i> , 2009 , 54, 3206-3210	6.7	69
2	Application of biphenyl additive in electrolyte for liquid state Al-plastic film lithium-ion batteries. <i>Journal of Power Sources</i> , 2008 , 185, 492-500	8.9	7
1	Novel nanosized adsorbing composite cathode materials for the next generational lithium battery. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007 , 22, 234-239	1	9