

# Yong Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/73124/publications.pdf>

Version: 2024-02-01

44  
papers

2,670  
citations

394286

19  
h-index

243529

44  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress of electrochemical capacitor electrode materials: A review. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4889-4899.	3.8	1,280
2	Recent advances and challenges of electrode materials for flexible supercapacitors. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213910.	9.5	204
3	Electrochemical investigation of MnO <sub>2</sub> electrode material for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11760-11766.	3.8	149
4	Advances in new cathode material LiFePO <sub>4</sub> for lithium-ion batteries. <i>Synthetic Metals</i> , 2012, 162, 1315-1326.	2.1	134
5	Morphology-dependent NiMoO <sub>4</sub> /carbon composites for high performance supercapacitors. <i>Inorganic Chemistry Communication</i> , 2020, 111, 107631.	1.8	84
6	Preparation of nanostructures NiO and their electrochemical capacitive behaviors. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2467-2470.	3.8	78
7	One-step microwave synthesis and characterization of carbon-modified nanocrystalline LiFePO <sub>4</sub> . <i>Electrochimica Acta</i> , 2009, 54, 3206-3210.	2.6	78
8	Synthesis and electrochemical performance of MnO <sub>2</sub> /BC composite as active materials for supercapacitors. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 111, 233-237.	2.6	64
9	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.	4.0	59
10	NiMoO <sub>4</sub> nanorods supported on nickel foam for high-performance supercapacitor electrode materials. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, .	0.8	52
11	Influence of metallic oxide on the morphology and enhanced supercapacitive performance of NiMoO <sub>4</sub> electrode material. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107697.	1.8	52
12	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.	2.8	36
13	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.	2.1	32
14	Electrosynthesis and capacitive performance of polyaniline@polypyrrole composite. <i>Polymer Composites</i> , 2011, 32, 1-5.	2.3	31
15	Tartaric acid assisted synthesis of Li <sub>2</sub> FeSiO <sub>4</sub> /C: Effect of carbon content on the electrochemical performance of Li <sub>2</sub> FeSiO <sub>4</sub> /C for lithium ion batteries. <i>Powder Technology</i> , 2014, 253, 638-643.	2.1	28
16	Synthesis and electrochemical properties of hollow-porous MnO <sub>2</sub> -graphene micro-nano spheres for supercapacitor applications. <i>Powder Technology</i> , 2014, 267, 268-272.	2.1	26
17	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.	1.8	25
18	Methanol tolerant core-shell RuFeSe@Pt/C catalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20658-20668.	3.8	24

#	ARTICLE	IF	CITATIONS
19	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.	3.8	22
20	New NiMoO <sub>4</sub> /CoMoO <sub>4</sub> composite electrodes for enhanced performance supercapacitors. <i>Ionics</i> , 2020, 26, 3579-3590.	1.2	20
21	High-performance supercapacitor electrodes based on NiMoO <sub>4</sub> nanorods. <i>Journal of Materials Research</i> , 2019, 34, 2435-2444.	1.2	19
22	Synthesis and electrochemical properties of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /MWCNTs composite cathodes. <i>Synthetic Metals</i> , 2011, 161, 2170-2173.	2.1	17
23	Sol-gel synthesis and electrochemical performance of NiCo <sub>2</sub> O <sub>4</sub> nanoparticles for supercapacitor applications. <i>Journal of Electrochemical Science and Engineering</i> , 2019, 9, 243-253.	1.6	16
24	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.	1.2	15
25	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.	0.4	12
26	Controllable synthesis and bi-functional electrocatalytic performance towards oxygen electrocatalytic reactions of Co <sub>3</sub> O <sub>4</sub> nanoflakes/nitrogen-doped modified CMK-3 nanocomposite. <i>Inorganic Chemistry Communication</i> , 2019, 108, 107524.	1.8	11
27	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.	1.8	11
28	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.	4.0	10
29	Fabrication and bifunctional electrocatalytic performance of FeNi <sub>3</sub> /MnFe <sub>2</sub> O <sub>4</sub> /nitrogen-doping reduced graphene oxide nanocomposite for oxygen electrocatalytic reactions. <i>Ionics</i> , 2020, 26, 991-1001.	1.2	9
30	Methanol-tolerant Se <sup>+</sup> Pt/C: effects of Se content on the structure and electrocatalytic performance for oxygen reduction reaction. <i>Ionics</i> , 2020, 26, 1315-1323.	1.2	9
31	Hierarchical urchin-like Fe <sub>2</sub> O <sub>3</sub> 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.	1.8	8
32	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.	1.2	8
33	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.	1.2	7
34	Metal oxide modified (NH <sub>4</sub> )(Ni,Co)PO <sub>4</sub> ·0.67H <sub>2</sub> O composite as high-performance electrode materials for supercapacitors. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107696.	1.8	7
35	Application of Na <sub>2</sub> CO <sub>3</sub> Additive in Graphite Anode for Commercial Lithium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, A120.	2.2	6
36	Co <sub>x</sub> /NiFeO <sub>x</sub> /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.	1.2	6

#	ARTICLE	IF	CITATIONS
37	Effect of SO <sub>2</sub> and CO <sub>2</sub> additives on the cycle performances of commercial lithium-ion batteries. <i>Ionics</i> , 2011, 17, 677-682.	1.2	4
38	Platanus Fruit-Like Nickel Cobalt Ammonium Phosphate/MWCNTs Composite Grown on Nickel Foam for High-Performance Supercapacitors. <i>Nano</i> , 2020, 15, 2050044.	0.5	4
39	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, 2309-2321.	1.2	4
40	Electrochemical capacitance characteristics of corn-like MnO <sub>2</sub> prepared by pulse electrodeposition. <i>Materials Letters</i> , 2014, 135, 19-23.	1.3	3
41	Facilely synthesized NiCo <sub>2</sub> O <sub>4</sub> /CuO-x composite with improved electrochemical behavior for high-rate supercapacitors. <i>Materials Research Express</i> , 2019, 6, 075518.	0.8	3
42	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.	1.2	1
43	Al(NO <sub>3</sub> ) <sub>3</sub> Induced Morphological Changes in Nickel and Cobalt Salts as Advanced Electrodes for Supercapacitors. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021, 18, .	1.1	1
44	Facile Synthesis of Novel Parallelogram-Like NH <sub>4</sub> CoPO <sub>4</sub> · H <sub>2</sub> O/Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> · 8H <sub>2</sub> O/MnO <sub>2</sub> Composites for High-Performance Supercapacitors. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021, 18, .	1.1	1