Yong Zhang

List of Publications by Citations

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	Progress of electrochemical capacitor electrode materials: A review. *International Journal of Hydrogen Energy*, **2009**, 34, 4889-4899	6.7	1107
42	Electrochemical investigation of MnO2 electrode material for supercapacitors. *International Journal of Hydrogen Energy*, **2011**, 36, 11760-11766	6.7	126
41	Advances in new cathode material LiFePO4 for lithium-ion batteries. *Synthetic Metals*, **2012**, 162, 1315-1326	3.6	94
40	Preparation of nanostructures NiO and their electrochemical capacitive behaviors. *International Journal of Hydrogen Energy*, **2009**, 34, 2467-2470	6.7	72
39	One-step microwave synthesis and characterization of carbon-modified nanocrystalline LiFePO4. *Electrochimica Acta*, **2009**, 54, 3206-3210	6.7	69
38	Recent advances and challenges of electrode materials for flexible supercapacitors. *Coordination Chemistry Reviews*, **2021**, 438, 213910	23.2	60
37	Morphology-dependent NiMoO4/carbon composites for high performance supercapacitors. *Inorganic Chemistry Communication*, **2020**, 111, 107631	3.1	40
36	Synthesis and electrochemical performance of MnO2/BC composite as active materials for supercapacitors. *Journal of Analytical and Applied Pyrolysis*, **2015**, 111, 233-237	6	39
35	Effects of nickel-doped lithium vanadium phosphate on the performance of lithium-ion batteries. *Journal of Alloys and Compounds*, **2012**, 542, 187-191	5.7	32
34	NiMoO4 nanorods supported on nickel foam for high-performance supercapacitor electrode materials. *Journal of Renewable and Sustainable Energy*, **2018**, 10, 054101	2.5	26
33	Electrosynthesis and capacitive performance of polyaniline/polypyrrole composite. *Polymer Composites*, **2011**, 32, 1-5	3	25
32	Facile synthesis and electrochemical performance of manganese dioxide doped by activated carbon, carbon nanofiber and carbon nanotube. *Powder Technology*, **2014**, 262, 150-155	5.2	24
31	Synthesis and electrochemical properties of hollow-porous MnO 2 -graphene micro-nano spheres for supercapacitor applications. *Powder Technology*, **2014**, 267, 268-272	5.2	23
30	Tartaric acid assisted synthesis of Li2FeSiO4/C: Effect of carbon content on the electrochemical performance of Li2FeSiO4/C for lithium ion batteries. *Powder Technology*, **2014**, 253, 638-643	5.2	23
29	Methanol tolerant core-shell RuFeSe@Pt/C catalyst for oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2017**, 42, 20658-20668	6.7	22
28	Influence of metallic oxide on the morphology and enhanced supercapacitive performance of NiMoO4 electrode material. *Inorganic Chemistry Communication*, **2020**, 112, 107697	3.1	20
27	Co/NC-Gr composite derived from ZIF-67: Effects of preparation method on the structure and electrocatalytic performance for oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2020**, 45, 4403-4416	6.7	16

26	Template-like N, S and O tri-doping activated carbon derived from helianthus pallet as high-performance material for supercapacitors. *Diamond and Related Materials*, **2020**, 102, 107693	3.5	16
25	Synthesis and electrochemical properties of Li3V2(PO4)3/MWCNTs composite cathodes. *Synthetic Metals*, **2011**, 161, 2170-2173	3.6	14
24	Novel nanosized adsorbing composite cathode materials for the next generational lithium battery. *Journal Wuhan University of Technology, Materials Science Edition*, **2007**, 22, 234-239	1	9
23	Sol-gel synthesis and electrochemical performance of NiCo2O4 nanoparticles for supercapacitor applications. *Journal of Electrochemical Science and Engineering*, **2019**, 9, 243-253	1.9	9
22	Controllable synthesis and bi-functional electrocatalytic performance towards oxygen electrocatalytic reactions of Co3O4 nanoflakes/nitrogen-doped modified CMK-3 nanocomposite. *Inorganic Chemistry Communication*, **2019**, 108, 107524	3.1	8
21	New NiMoO4/CoMoO4 composite electrodes for enhanced performance supercapacitors. *Ionics*, **2020**, 26, 3579-3590	2.7	7
20	Impact of electrolyte additives (alkali metal salts) on the capacitive behavior of NiO-based capacitors. *Korean Journal of Chemical Engineering*, **2011**, 28, 608-612	2.8	7
19	Application of biphenyl additive in electrolyte for liquid state Al-plastic film lithium-ion batteries. *Journal of Power Sources*, **2008**, 185, 492-500	8.9	7
18	Advances and challenges in improvement of the electrochemical performance for lead-acid batteries: A comprehensive review. *Journal of Power Sources*, **2022**, 520, 230800	8.9	7
17	High-performance supercapacitor electrodes based on NiMoO4 nanorods. *Journal of Materials Research*, **2019**, 34, 2435-2444	2.5	6
16	Metal oxide modified (NH4)(Ni,Co)PO4□0.67H2O composite as high-performance electrode materials for supercapacitors. *Inorganic Chemistry Communication*, **2020**, 112, 107696	3.1	6
15	Hierarchical urchin-like Fe2O3 structures grown directly on Ti foils for binder-free lithium-ion batteries with fast charging/discharging properties. *Inorganic Chemistry Communication*, **2020**, 113, 107769	3.1	5
14	CoNx/NiFeOx/nitrogen-doping reduced graphene oxide nanocomposite derived from layered double hydroxide precursor as an efficient bifunctional electrocatalyst for oxygen electrocatalytic reactions. *Ionics*, **2020**, 26, 1885-1894	2.7	4
13	Effect of SO2 and CO2 additives on the cycle performances of commercial lithium-ion batteries. *Ionics*, **2011**, 17, 677-682	2.7	4
12	Application of Na[sub 2]CO[sub 3] Additive in Graphite Anode for Commercial Lithium-Ion Batteries. *Electrochemical and Solid-State Letters*, **2009**, 12, A120		4
11	Methanol-tolerant Se^Pt/C: effects of Se content on the structure and electrocatalytic performance for oxygen reduction reaction. *Ionics*, **2020**, 26, 1315-1323	2.7	4
10	Electrodeposition, formation mechanism, and electrocatalytic performance of Co-Ni-P ternary catalysts coated on carbon fiber paper. *Journal of Solid State Electrochemistry*, **2021**, 25, 1503-1512	2.6	4
9	Fabrication and bifunctional electrocatalytic performance of FeNi3/MnFe2O4/nitrogen-doping reduced graphene oxide nanocomposite for oxygen electrocatalytic reactions. *Ionics*, **2020**, 26, 991-1001	2.7	4

8	MOF-derived N-doped carbon coated Co/RGO composites with enhanced electrocatalytic activity for oxygen reduction reaction. *Inorganic Chemistry Communication*, **2021**, 123, 108330	3.1	4
7	Facilely synthesized NiCo2O4/CuO-x composite with improved electrochemical behavior for high-rate supercapacitors. *Materials Research Express*, **2019**, 6, 075518	1.7	3
6	Electrochemical capacitance characteristics of corn-like MnO2 prepared by pulse electrodeposition. *Materials Letters*, **2014**, 135, 19-23	3.3	3
5	Synthesis of N-doped Co@C/CNT materials based on ZIF-67 and their electrocatalytic performance for oxygen reduction. *Ionics*, **2021**, 27, 2561-2569	2.7	3
4	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. *Ionics*, **2011**, 17, 421-427	2.7	1
3	Facile Synthesis of Novel Parallelogram-Like NH4CoPO4 □H2O/Ni3(PO4)2 □8H2O/MnO2 Composites for High-Performance Supercapacitors. *Journal of Electrochemical Energy Conversion and Storage*, **2021**, 18,	2	1
2	Platanus Fruit-Like Nickel Cobalt Ammonium Phosphate/MWCNTs Composite Grown on Nickel Foam for High-Performance Supercapacitors. *Nano*, **2020**, 15, 2050044	1.1	1
1	Dual zeolitic imidazolate frameworks derived cobalt- and nitrogen-doped carbon nanotube-grafted flower- and leaf-like hierarchical porous carbon electrocatalysts for oxygen reduction. *Ionics*, **2022**, 28, 2309	2.7	0