Zhaolin Liu

List of Publications by Year
in descending order

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26	3,244	430442	552369
papers	citations	18 h-index	26 g-index

26	26	26	5100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxygen Reduction in Alkaline Media: From Mechanisms to Recent Advances of Catalysts. ACS Catalysis, 2015, 5, 4643-4667.	5.5	1,022
2	Facile synthesis of low crystalline MoS2 nanosheet-coated CNTs for enhanced hydrogen evolution reaction. Nanoscale, 2013, 5, 7768.	2.8	426
3	Co3O4 nanoparticle-modified MnO2 nanotube bifunctional oxygen cathode catalysts for rechargeable zincâ€“air batteries. Nanoscale, 2013, 5, 4657.	2.8	247
4	Decorating Co/CoNx nanoparticles in nitrogen-doped carbon nanoarrays for flexible and rechargeable zinc-air batteries. Energy Storage Materials, 2019, 16, 243-250.	9.5	244
5	Co₃O₄ nanoparticles decorated carbon nanofiber mat as binder-free air-cathode for high performance rechargeable zinc-air batteries. Nanoscale, 2015, 7, 1830-1838.	2.8	226
6	Ag nanoparticle-modified MnO2 nanorods catalyst for use as an air electrode in zincâ€“air battery. Electrochimica Acta, 2013, 114, 598-604.	2.6	134
7	NiMn layered double hydroxides as efficient electrocatalysts for the oxygen evolution reaction and their application in rechargeable Znâ€“air batteries. Nanoscale, 2017, 9, 774-780.	2.8	130
8	Durable rechargeable zinc-air batteries with neutral electrolyte and manganese oxide catalyst. Journal of Power Sources, 2016, 332, 330-336.	4.0	129
9	Aqueous Rechargeable Multivalent Metalâ€Ion Batteries: Advances and Challenges. Advanced Energy Materials, 2021, 11, 2100608.	10.2	122
10	Mussel-inspired one-pot synthesis of transition metal and nitrogen co-doped carbon (M/Nâ€“C) as efficient oxygen catalysts for Zn-air batteries. Nanoscale, 2016, 8, 5067-5075.	2.8	109
11	Webâ€Like Interconnected Carbon Networks from NaClâ€Assisted Pyrolysis of ZIFâ€8 for Highly Efficient Oxygen Reduction Catalysis. Small, 2018, 14, e1704169.	5.2	95
12	Efficient and durable oxygen reduction and evolution of a hydrothermally synthesized La(Co_{0.55}Mn_{0.45})_{0.99}O_{3â^Î´} nanorod/graphene hybrid in alkaline media. Nanoscale, 2015, 7, 9046-9054.	2.8	86
13	Janus Electrocatalysts Containing MOF-Derived Carbon Networks and NiFe-LDH Nanoplates for Rechargeable Zincâ€“Air Batteries. ACS Applied Energy Materials, 2019, 2, 1784-1792.	2.5	54
14	Intrinsically Conductive Perovskite Oxides with Enhanced Stability and Electrocatalytic Activity for Oxygen Reduction Reactions. ACS Catalysis, 2016, 6, 7865-7871.	5.5	51
15	A Grapheneâ€Coated Thermal Conductive Separator to Eliminate the Dendriteâ€Induced Local Hotspots for Stable Lithium Cycling. Advanced Energy Materials, 2022, 12, .	10.2	42
16	Co3O4 nanoparticles anchored in MnO2 nanorods as efficient oxygen reduction reaction catalyst for metal-air batteries. Journal of Alloys and Compounds, 2020, 814, 152239.	2.8	28
17	Improving the Electrochemical Oxygen Reduction Activity of Manganese Oxide Nanosheets with Sulfurizationâ€Induced Nanopores. ChemCatChem, 2018, 10, 422-429.	1.8	23
18	Dopamine-modified carboxymethyl cellulose as an improved aqueous binder for silicon anodes in lithium-ion batteries. Electrochimica Acta, 2021, 389, 138806.	2.6	23

#	Article	IF	Citations
19	Porous calciumâ€“manganese oxide/carbon nanotube microspheres as efficient oxygen reduction catalysts for rechargeable zincâ€“air batteries. Inorganic Chemistry Frontiers, 2021, 8, 2052-2060.	3.0	10
20	Graphite@silicon embedded in a carbon conformally coated tiny SiO₂nanoparticle matrix for high-performance lithium-ion batteries. Inorganic Chemistry Frontiers, 2021, 8, 4395-4406.	3.0	10
21	â€œPorous and Yet Denseâ€•Electrodes for Highâ€Volumetricâ€Performance Electrochemical Capacitors: Principles, Advances, and Challenges. Advanced Science, 2022, 9, e2103953.	5.6	9
22	Zeolitic imidazole framework derived N-doped porous carbon/metal cobalt nanoparticles hybrid for oxygen electrocatalysis and rechargeable Znâ€“air batteries. RSC Advances, 2021, 11, 15722-15728.	1.7	8
23	Zn-Air Batteries: Web-Like Interconnected Carbon Networks from NaCl-Assisted Pyrolysis of ZIF-8 for Highly Efficient Oxygen Reduction Catalysis (Small 16/2018). Small, 2018, 14, 1870070.	5.2	4
24	A nanostructured nickel/carbon matrix as an efficient oxygen evolution reaction electrocatalyst for rechargeable zincâ€“air batteries. Inorganic Chemistry Frontiers, 2019, 6, 1873-1880.	3.0	4
25	Developing Nâ€Rich Carbon from C₃N₄â€Polydopamine Composites for Efficient Oxygen Reduction Reaction. ChemElectroChem, 2021, 8, 3954-3961.	1.7	4
26	Selfâ€Assembly of Surfaceâ€Functionalized Ag_{1.8}Mn₈O₁₆ Nanorods with Reduced Graphene Oxide Nanosheets as an Efficient Bifunctional Electrocatalyst for Rechargeable Zincâ€Air Batteries. Chemistry - an Asian Journal, 2021, 16, 3677-3682.	1.7	4