Xia Wei

List of Publications by Year
in descending order

20 papers	1,057 citations	623734 14 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	1212 citing authors

#	Article	IF	Citations
1	Regenerable Cu-intercalated MnO2 layered cathode for highly cyclable energy dense batteries. Nature Communications, 2017, 8, 14424.	12.8	216
2	Breaking the 2 V Barrier in Aqueous Zinc Chemistry: Creating 2.45 and 2.8 V MnO₂â€"Zn Aqueous Batteries. ACS Energy Letters, 2019, 4, 2144-2146.	17.4	142
3	Rechargeable Zinc Alkaline Anodes for Long-Cycle Energy Storage. Chemistry of Materials, 2017, 29, 4819-4832.	6.7	120
4	Impact of anode substrates on electrodeposited zinc over cycling in zinc-anode rechargeable alkaline batteries. Electrochimica Acta, 2016, 212, 603-613.	5.2	80
5	High Performance Printed AgO-Zn Rechargeable Battery for Flexible Electronics. Joule, 2021, 5, 228-248.	24.0	78
6	An indicator of zinc morphology transition in flowing alkaline electrolyte. Journal of Power Sources, 2012, 211, 119-128.	7.8	63
7	Electrodeposition of preferentially oriented zinc for flow-assisted alkaline batteries. Journal of Power Sources, 2014, 256, 145-152.	7.8	63
8	A conversion-based highly energy dense Cu²⁺ intercalated Bi-birnessite/Zn alkaline battery. Journal of Materials Chemistry A, 2017, 5, 15845-15854.	10.3	63
9	Going beyond Intercalation Capacity of Aqueous Batteries by Exploiting Conversion Reactions of Mn and Zn electrodes for Energyâ€Dense Applications. Advanced Energy Materials, 2019, 9, 1902270.	19.5	59
10	A calcium hydroxide interlayer as a selective separator for rechargeable alkaline Zn/MnO2 batteries. Electrochemistry Communications, 2017, 81, 136-140.	4.7	49
11	Accessing the second electron capacity of MnO2 by exploring complexation and intercalation reactions in energy dense alkaline batteries. International Journal of Hydrogen Energy, 2018, 43, 8480-8487.	7.1	36
12	Rapid electrochemical synthesis of Î´-MnO2 from Î³-MnO2 and unleashing its performance as an energy dense electrode. Materials Today Energy, 2017, 6, 198-210.	4.7	30
13	An Operando Study of the Initial Discharge of Bi and Bi/Cu Modified MnO₂. Journal of the Electrochemical Society, 2018, 165, A2935-A2947.	2.9	20
14	Investigating Degradation Modes in Znâ€AgO Aqueous Batteries with In Situ Xâ€Ray Micro Computed Tomography. Advanced Energy Materials, 2021, 11, 2101327.	19.5	20
15	Hydroxyl Conducting Hydrogels Enable Low-Maintenance Commercially Sized Rechargeable Znâ€"MnO2 Batteries for Use in Solar Microgrids. Polymers, 2022, 14, 417.	4.5	6
16	The advent of membrane-less zinc-anode aqueous batteries with lithium battery-like voltage. Materials Horizons, 2022, 9, 2160-2171.	12.2	4
17	Primary zinc-air batteries. , 2021, , 23-45.		2
18	6â€²-Methyl-1â€²,2â€²,3â€²,4â€²-tetrahydrospirocyclohexane-2â€²-quinazolin-4â€²-one. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1097-o1097.	0.2	1

#	Article	IF	Citations
19	2-[(E)-(Dimethylamino)methyleneamino]benzonitrile. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1306-o1306.	0.2	1
20	(Invited) Improvements in High Energy Density Silver-Zinc Button Cells for Wearable Devices. ECS Meeting Abstracts, 2019, , .	0.0	0