

Xia Wei

List of Publications by Year in descending order

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20
papers

1,057
citations

623734

14
h-index

794594

19
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docs citations

21
times ranked

1212
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroxyl Conducting Hydrogels Enable Low-Maintenance Commercially Sized Rechargeable Zn ²⁺ /MnO ₂ Batteries for Use in Solar Microgrids. <i>Polymers</i> , 2022, 14, 417.	4.5	6
2	The advent of membrane-less zinc-anode aqueous batteries with lithium battery-like voltage. <i>Materials Horizons</i> , 2022, 9, 2160-2171.	12.2	4
3	High Performance Printed AgO-Zn Rechargeable Battery for Flexible Electronics. <i>Joule</i> , 2021, 5, 228-248.	24.0	78
4	Primary zinc-air batteries. , 2021, , 23-45.		2
5	Investigating Degradation Modes in Zn ²⁺ /AgO Aqueous Batteries with In Situ X-ray Micro Computed Tomography. <i>Advanced Energy Materials</i> , 2021, 11, 2101327.	19.5	20
6	Breaking the 2 V Barrier in Aqueous Zinc Chemistry: Creating 2.45 and 2.8 V MnO ₂ /Zn Aqueous Batteries. <i>ACS Energy Letters</i> , 2019, 4, 2144-2146.	17.4	142
7	Going beyond Intercalation Capacity of Aqueous Batteries by Exploiting Conversion Reactions of Mn and Zn electrodes for Energy-Dense Applications. <i>Advanced Energy Materials</i> , 2019, 9, 1902270.	19.5	59
8	(Invited) Improvements in High Energy Density Silver-Zinc Button Cells for Wearable Devices. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
9	Accessing the second electron capacity of MnO ₂ by exploring complexation and intercalation reactions in energy dense alkaline batteries. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8480-8487.	7.1	36
10	An Operando Study of the Initial Discharge of Bi and Bi/Cu Modified MnO ₂ . <i>Journal of the Electrochemical Society</i> , 2018, 165, A2935-A2947.	2.9	20
11	Regenerable Cu-intercalated MnO ₂ layered cathode for highly cyclable energy dense batteries. <i>Nature Communications</i> , 2017, 8, 14424.	12.8	216
12	Rechargeable Zinc Alkaline Anodes for Long-Cycle Energy Storage. <i>Chemistry of Materials</i> , 2017, 29, 4819-4832.	6.7	120
13	Rapid electrochemical synthesis of δ -MnO ₂ from β -MnO ₂ and unleashing its performance as an energy dense electrode. <i>Materials Today Energy</i> , 2017, 6, 198-210.	4.7	30
14	A calcium hydroxide interlayer as a selective separator for rechargeable alkaline Zn/MnO ₂ batteries. <i>Electrochemistry Communications</i> , 2017, 81, 136-140.	4.7	49
15	A conversion-based highly energy dense Cu ²⁺ intercalated Bi-birnessite/Zn alkaline battery. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15845-15854.	10.3	63
16	Impact of anode substrates on electrodeposited zinc over cycling in zinc-anode rechargeable alkaline batteries. <i>Electrochimica Acta</i> , 2016, 212, 603-613.	5.2	80
17	Electrodeposition of preferentially oriented zinc for flow-assisted alkaline batteries. <i>Journal of Power Sources</i> , 2014, 256, 145-152.	7.8	63
18	An indicator of zinc morphology transition in flowing alkaline electrolyte. <i>Journal of Power Sources</i> , 2012, 211, 119-128.	7.8	63

#	ARTICLE	IF	CITATIONS
19	6-Methyl-1,2,3,4-tetrahydrospirocyclohexane-2-quinazolin-4-one. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1097-o1097.	0.2	1
20	2-[(E)-(Dimethylamino)methyleneamino]benzotrile. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1306-o1306.	0.2	1