Zn/MnO Battery Chemistry With H and Zn Coinsertion

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#	Paper	IF	Citations
1137	Rechargeable Aqueous ZincManganese Dioxide/Graphene Batteries with High Rate Capability and Large Capacity.		
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1135	Bi-Cation Electrolyte for a 1.7 V Aqueous Zn Ion Battery.		
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109	Simultaneous manipulation of electron/Zn2+ ion flux and desolvation effect enabled by in-situ built ultra-thin oxide-based artificial interphase for controlled deposition of zinc metal anodes. **2023**, 456, 141015	1
108	Reversible metal ionic catalysts for high-voltage aqueous hybrid zinc-manganese redox flow batteries. **2023**, 55, 698-707	0
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106	Manganese-based cathode materials for aqueous rechargeable zinc-ion batteries: recent advance and future prospects. **2023**, 27, 101294	0
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103	Amorphous carbon and carbon nanotubes synergistically reinforced with MnO2 as a cathode material for zinc-ion batteries. **2023**, 132, 109615	0
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100	Improved performance of supercapacitor and zinc-ion battery based on 3D architectured porous manganese oxide-based nanosheets as binder-free electrodes.	0
99	Enhanced proton pseudocapacitive of Ti3C2Tx in neutral electrolyte activated by acid regulation dynamic pillars. **2022**, 140650	0
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96	High-Energy and Long-Lived Zn□MnO2 Battery Enabled by a Hydrophobic-Ion-Conducting Membrane.	0
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94	Engineering p-Band Center of Oxygen Boosting H+ Intercalation in□MnO2 for Aqueous Zinc Ion Batteries.	0
93	Rational Design of ZnO-Based Aqueous Batteries for Safe, Fast, and Reliable Energy Storage: Accomplishment of Stable K+ Storage/Release. **2022**, 141098	0
92	Engineering p-Band Center of Oxygen Boosting H+ Intercalation in□MnO2 for Aqueous Zinc Ion Batteries.	1
91	Simultaneous Elucidation of Solid and Solution Manganese Environments via Multiphase Operando Extended X-ray Absorption Fine Structure Spectroscopy in Aqueous Zn/MnO2 Batteries.	1
90	Effects of Position and Quantity of the Cyano Group in Organic Electrode Materials on Electrochemical Performance.	0
89	Selectivity of Electrochemical Ion Insertion into Manganese Dioxide Polymorphs.	0
88	Recent advances on challenges and strategies of manganese dioxide cathodes for aqueous zinc-ion batteries.	0
87	Developing High-Performance In-Plane Flexible Aqueous Zinc-Ion Batteries with Laser-Scribed Carbon-Supported All Electrodeposited Electrodes. **2022**, 38, 16203-16213	1
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85	Dual Strategies of Metal Preintercalation and In Situ Electrochemical Oxidization Operating on MXene for Enhancement of Ion/Electron Transfer and Zinc-Ion Storage Capacity in Aqueous Zinc-Ion Batteries. 2206860	0
84	Pre-Protonated Vanadium Hexacyanoferrate for High Energy-Power and Anti-Freezing Proton Batteries. 2210473	0
83	Coupling Engineering of NH 4 + Pre-Intercalation and Rich Oxygen Vacancies in Tunnel WO 3 Toward Fast and Stable Rocking Chair Zinc-Ion Battery. 2206701	0
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77	Long-Life Aqueous Zinc□Organic Batteries with a Trimethyl Phosphate Electrolyte and Organic Cathode.	0

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73	Unraveling the deposition/dissolution chemistry of MnO2 for high-energy aqueous batteries.	0
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66	Artificial phosphate solid electrolyte interphase enables stable MnO2 cathode for zinc ion batteries. **2023**, 101524	0
65	Ultrafast 3D Hybrid-Ion Transport in Porous V 2 O 5 Cathodes for Superior-Rate Rechargeable Aqueous Zinc Batteries. 2204358	0
64	MnO2 electrodeposition at the positive electrode of zinc-ion aqueous battery containing Zn2+ and Mn2+ cations.	0
63	Protocol in Evaluating Capacity of Zn□Mn Aqueous Batteries: A Clue of pH.	0
62	A self-repairing polymer-inorganic composite coating to enable high-performance Zn anodes for zinc-ion batteries. **2023**, 108424	0
61	A hydrogel electrolyte with ultrahigh ionic conductivity and transference number benefit from Zn2+ □ighways□for dendrite-free Zn-MnO2 battery. **2023**, 463, 142535	0
60	Tailoring porous three-dimensional (Co,Mn)(Co,Mn)2O4/PPy architecture towards high-performance cathode for aqueous zinc-ion batteries. **2023**, 465, 142897	0
59	Electron-ion conjugation sites co-constructed by defects and heteroatoms assisted carbon electrodes for high-performance aqueous energy storage. **2023**, 640, 600-609	0

58	Cu2+ intercalation boosts zinc energy reactivity of MnO2 with enhanced capacity and longevity. **2023**, 623, 157060	0
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49	Vanadium Oxides with Amorphous-Crystalline Heterointerface Network for Aqueous Zinc-Ion Batteries. **2023**, 135,	0
48	Interlayer Ag+ and In Situ Ag Metal Particles Synergistically Strengthening MnO2 Cathode Performance for Aqueous Zinc-Ion Batteries. **2023**, 6, 1467-1474	0
47	High-Performance Aqueous Zinc-Ion Batteries Enabled by Superlattice Intercalation Zn3V2O7-C Cathodes. **2023**, 6, 2462-2470	0
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45	Enabling On-Demand Conformal Zn-Ion Batteries on Non-Developable Surfaces. 2211597	0
44	Oxygen-Related Defect Engineering of Amorphous Vanadium Pentoxide Cathode for Achieving High-Performance Thin-Film Aqueous Zinc-Ion Batteries. **2023**, 6, 2719-2727	0
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41	Exploring the effect of different additives on the preparation of □Mn2O3/Mn3O4 composites and their zinc ion storage performances. **2023**, 29, 1469-1478	0

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33	Application of Biomass Materials in Zinc-Ion Batteries. **2023**, 28, 2436	0
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24	Efficient electrochemical performance of MnO2 nanowires interknitted vanadium oxide intercalated nanoporous carbon network as cathode for aqueous zinc ion battery. **2023**,	0
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21	Metal-Organic Framework-Based Materials in Aqueous Zinc-Ion Batteries. **2023**, 24, 6041	0
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19	MnO2@Co3O4 heterostructure composite as high-performance cathode material for rechargeable aqueous zinc-ion battery. **2023**, 29, 1913-1921	0
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17	Reconciling Mass Loading and Gravimetric Performance of MnO 2 Cathodes by 3D-Printed Carbon Structures for Zinc-Ion Batteries.	0
16	Zincophobic Electrolyte Achieves Highly Reversible Zinc-Ion Batteries.	0
15	Nanocellulose-Carboxymethylcellulose Electrolyte for Stable, High-Rate Zinc-Ion Batteries.	0
14	Functionalized Separator Strategies toward Advanced Aqueous Zinc-Ion Batteries.	0
13	3D-Printed Graded Electrode with Ultrahigh MnO 2 Loading for Non-Aqueous Electrochemical Energy Storage.	0
12	Structural Transformation by Crystal Engineering Endows Aqueous Zinc-Ion Batteries with Ultra-long Cyclability.	0
11	In Situ Construction of High-Density Solid Electrolyte Interphase from MOFs for Advanced Zn Metal Anodes.	0
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