

Jingwen Zhao

List of Publications by Year in descending order

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38
papers

5,965
citations

218677

26
h-index

315739

38
g-index

38
all docs

38
docs citations

38
times ranked

5042
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-life and deeply rechargeable aqueous Zn anodes enabled by a multifunctional brightener-inspired interphase. <i>Energy and Environmental Science</i> , 2019, 12, 1938-1949.	30.8	1,309
2	All solid-state polymer electrolytes for high-performance lithium ion batteries. <i>Energy Storage Materials</i> , 2016, 5, 139-164.	18.0	768
3	Zinc anode-compatible in-situ solid electrolyte interphase via cation solvation modulation. <i>Nature Communications</i> , 2019, 10, 5374.	12.8	573
4	Water-in-deep eutectic solvent electrolytes enable zinc metal anodes for rechargeable aqueous batteries. <i>Nano Energy</i> , 2019, 57, 625-634.	16.0	467
5	Hydrated Eutectic Electrolytes with Ligand-Oriented Solvation Shells for Long-Cycling Zinc-Organic Batteries. <i>Joule</i> , 2020, 4, 1557-1574.	24.0	429
6	High-voltage and free-standing poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 552 Td (carbonate)/Li_{6.75}La₃ composite solid electrolyte for wide temperature range and flexible solid lithium ion battery. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4940-4948.	10.3	373
7	Lithium Ion Capacitors in Organic Electrolyte System: Scientific Problems, Material Development, and Key Technologies. <i>Advanced Energy Materials</i> , 2018, 8, 1801243.	19.5	207
8	Hierarchical CoNiSulfide Nanosheet Arrays Derived from Layered Double Hydroxides toward Efficient Hydrazine Electrooxidation. <i>Advanced Materials</i> , 2017, 29, 1604080.	21.0	196
9	Ultrafast Alkaline Ni/Zn Battery Based on Ni-Foam-Supported Ni₃S₂ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26396-26399.	8.0	173
10	A Smart Flexible Zinc Battery with Cooling Recovery Ability. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7871-7875.	13.8	141
11	High-voltage Zn/LiMn _{0.8} Fe _{0.2} PO ₄ aqueous rechargeable battery by virtue of water-in-salt electrolyte. <i>Electrochemistry Communications</i> , 2016, 69, 6-10.	4.7	137
12	Pursuit of reversible Zn electrochemistry: a time-honored challenge towards low-cost and green energy storage. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	129
13	Achieving high capacity and long life of aqueous rechargeable zinc battery by using nanoporous-carbon-supported poly(1,5-naphthalenediamine) nanorods as cathode. <i>Energy Storage Materials</i> , 2020, 28, 64-72.	18.0	105
14	Layer-by-layer assembly of exfoliated layered double hydroxide nanosheets for enhanced electrochemical oxidation of water. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11516-11523.	10.3	104
15	Uncovering the Potential of Mn-Site-Activated NASICON Cathodes for Zn-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1907526.	21.0	103
16	A Crosslinked Polytetrahydrofuran-Borate-Based Polymer Electrolyte Enabling Wide-Working-Temperature-Range Rechargeable Magnesium Batteries. <i>Advanced Materials</i> , 2019, 31, e1805930.	21.0	95
17	Self-Assembled Solid-State Gel Catholyte Combating Iodide Diffusion and Self-Discharge for a Stable Flexible Aqueous Zn-Ion Battery. <i>Advanced Energy Materials</i> , 2020, 10, 2001997.	19.5	86
18	Single-Ion-Functionalized Nanocellulose Membranes Enable Lean-Electrolyte and Deeply Cycled Aqueous Zinc-Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	63

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19	A Smart Flexible Zinc Battery with Cooling Recovery Ability. <i>Angewandte Chemie</i> , 2017, 129, 7979-7983.	2.0	59
20	Anion Solvation Reconfiguration Enables High-Voltage Carbonate Electrolytes for Stable Zn/Graphite Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21769-21777.	13.8	58
21	Ionic-Association-Assisted Viscoelastic Nylon Electrolytes Enable Synchronously Coupled Interface for Solid Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2000347.	14.9	44
22	Fast anion intercalation into graphite cathode enabling high-rate rechargeable zinc batteries. <i>Journal of Power Sources</i> , 2020, 457, 227994.	7.8	42
23	Eutectic Crystallization Activates Solid-State Zinc-Ion Conduction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	41
24	Amide-based molten electrolyte with hybrid active ions for rechargeable Zn batteries. <i>Electrochimica Acta</i> , 2018, 280, 108-113.	5.2	36
25	A PF ₆ ⁻ -Permeable Selective Polymer Electrolyte with Anion Solvation Regulation Enabling Long-Cycle Dual-Ion Battery. <i>Advanced Materials</i> , 2022, 34, e2108665.	21.0	35
26	In-situ formed all-amorphous poly (ethylene oxide)-based electrolytes enabling solid-state Zn electrochemistry. <i>Chemical Engineering Journal</i> , 2021, 417, 128096.	12.7	28
27	Charge-Compensation in a Displacement Mg ²⁺ Storage Cathode through Polyselenide-Mediated Anion Redox. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
28	Graphene boosted Cu ₂ GeS ₃ for advanced lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 541-546.	6.0	22
29	Water-Locked Eutectic Electrolyte Enables Long-Cycling Aqueous Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33041-33051.	8.0	21
30	Delicately Tailored Ternary Phosphate Electrolyte Promotes Ultrastable Cycling of Na ₃ V ₂ (PO ₄) ₂ F ₃ -Based Sodium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17444-17453.	8.0	20
31	Unraveling H ⁺ /Zn ²⁺ Sequential Conversion Reactions in Tellurium Cathodes for Rechargeable Aqueous Zinc Batteries. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10163-10168.	4.6	19
32	Room-temperature fast zinc-ion conduction in molecule-flexible solids. <i>Materials Today Energy</i> , 2021, 20, 100630.	4.7	16
33	Anion Solvation Reconfiguration Enables High-Voltage Carbonate Electrolytes for Stable Zn/Graphite Cells. <i>Angewandte Chemie</i> , 2020, 132, 21953-21961.	2.0	11
34	A High-Energy 5 V-Class Flexible Lithium-Ion Battery Endowed by Laser-Drilled Flexible Integrated Graphite Film. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9468-9477.	8.0	10
35	Stimulus-responsive polymers for safe batteries and smart electronics. <i>Science China Materials</i> , 2022, 65, 2060-2071.	6.3	10
36	Anti-corrosive Hybrid Electrolytes for Rechargeable Aqueous Zinc Batteries. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 328-334.	2.6	5

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37	Eutectic Crystallization Activates Solid-State Zinc-Ion Conduction. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
38	Charge-Compensation in a Displacement Mg ²⁺ Storage Cathode through Polyselenide-Mediated Anion Redox. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1