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## Initiating a Reversible Aqueous Zn/Sulfur Battery through a "Liquid Film"

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#	Paper	IF	Citations
63	Energy Storage Chemistry in Aqueous Zinc Metal Batteries. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3569-3590	20.1	62
62	Interlayer Doping in Layered Vanadium Oxides for Low-cost Energy Storage: Sodium-ion Batteries and Aqueous Zinc-ion Batteries. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1553-1566	3.5	25
61	Recent Developments of Preintercalated Cathodes for Rechargeable Aqueous Zn-Ion Batteries. <i>Energy Technology</i> , <b>2021</b> , 9, 2000829	3.5	4
60	A Zn-S aqueous primary battery with high energy and flat discharge plateau. <i>Chemical Communications</i> , <b>2021</b> , 57, 9918-9921	5.8	1
59	Maximizing Energy Storage of Flexible Aqueous Batteries through Decoupling Charge Carriers. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2003982	21.8	19
58	Intrinsically conducting polymers and their combinations with redox-active molecules for rechargeable battery electrodes: an update. <i>Chemical Papers</i> , <b>2021</b> , 75, 4981-5007	1.9	4
57	Synergistic Effect between S and Se Enhancing the Electrochemical Behavior of SexSy in Aqueous Zn Metal Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101237	15.6	18
56	A highly stable aqueous Zn/VS <sub>2</sub> battery based on an intercalation reaction. <i>Applied Surface Science</i> , <b>2021</b> , 544, 148882	6.7	10
55	Advances and Perspectives of Cathode Storage Chemistry in Aqueous Zinc-Ion Batteries. <i>ACS Nano</i> , <b>2021</b> , 15, 9244-9272	16.7	58
54	Scalable and Controllable Synthesis of Interface-Engineered Nanoporous Host for Dendrite-Free and High Rate Zinc Metal Batteries. <i>ACS Nano</i> , <b>2021</b> ,	16.7	39
53	Wearable and Fully Biocompatible All-in-One Structured ?Paper-Like? Zinc Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 34349-34356	9.5	3
52	A COF-Like N-Rich Conjugated Microporous Polytriphenylamine Cathode with Pseudocapacitive Anion Storage Behavior for High-Energy Aqueous Zinc Dual-Ion Batteries. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101857	24	28
51	Chitosan-Assisted Fabrication of a Network C@VO Cathode for High-Performance Zn-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 37194-37200	9.5	12
50	Laser-Induced Graphene Assisting Self-Conversion Reaction for Sulfur-Free Aqueous Cu-S Battery. <i>Advanced Functional Materials</i> , 2103893	15.6	3
49	Self-Healing Solid Polymer Electrolyte with High Ion Conductivity and Super Stretchability for All-Solid Zinc-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 36320-36329	9.5	8
48	Bifunctional Hydrated Gel Electrolyte for Long-Cycling Zn-Ion Battery with NASICON-Type Cathode. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2105717	15.6	11
47	Designing Advanced Aqueous Zinc-Ion Batteries: Principles, Strategies and Perspectives. <i>Energy and Environmental Materials</i> ,	13	7

46	Tuning Electronic Structure of Ultrathin V6O13 Nanobelts via Nickel Doping for Aqueous Zinc-Ion Battery Cathodes. <i>Chemical Engineering Journal</i> , <b>2021</b> , 132538	14.7	10
45	Phosphorus-doped carbon sheets decorated with SeS2 as a cathode for aqueous Zn-SeS2 battery. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 129920	14.7	5
44	Sulfur-Based Aqueous Batteries: Electrochemistry and Strategies. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15475-15489	16.4	23
43	Reversible electrochemical oxidation of sulfur in ionic liquid for high-voltage Al-S batteries. <i>Nature Communications</i> , <b>2021</b> , 12, 5714	17.4	13
42	Flexible solid-state Zn-polymer batteries with practical functions. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 131454	14.7	3
41	Multivalent metal-sulfur batteries for green and cost-effective energy storage: Current status and challenges. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 64, 144-165	12	13
40	Enhanced Redox Kinetics and Duration of Aqueous I <sup>-</sup> /I <sup>0</sup> Conversion Chemistry by MXene Confinement. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006897	24	39
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38	Vacancy Modulating Co3Sn2S2 Topological Semimetal for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie</i> ,	3.6	2
37	Vacancy Modulating Co Sn S Topological Semimetal for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 61, e202111826	16.4	5
36	Deficiency and surface engineering boosting electronic and ionic kinetics in NH4V4O10 for high-performance aqueous zinc-ion battery. <i>Energy Storage Materials</i> , <b>2022</b> , 44, 197-205	19.4	13
35	Rechargeable aqueous Zn-based energy storage devices. <i>Joule</i> , <b>2021</b> ,	27.8	37
34	Cathode Engineering for High Energy Density Aqueous Zn Batteries. <i>Accounts of Materials Research</i> ,	7.5	5
33	Exploration of the Unique Structural Chemistry of Sulfur Cathode for High-Energy Rechargeable Beyond-Li Batteries. <i>Advanced Energy and Sustainability Research</i> , 2100157	1.6	2
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31	High Efficient Activation of Peroxymonosulfate by Co 9S 8 Anchored in N, S, O Co-Doped Carbon Composite for Degradation of Sulfamethoxazole: Role of Sulfur Precursor and Sulfur Doping Content. <i>SSRN Electronic Journal</i> ,	1	
30	Hierarchical Cu0.92Co2.08O4@NiCo-layered double hydroxide nanoarchitecture for asymmetric flexible storage device. <i>Materials Today Sustainability</i> , <b>2022</b> , 17, 100097	5	2
29	Rechargeable hybrid organic Zn battery (ReHOZnB) with non-flammable electrolyte. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 904, 115949	4.1	5

28	High efficient activation of peroxymonosulfate by Co <sub>9</sub> S <sub>8</sub> anchored in N, S, O co-doped carbon composite for degradation of sulfamethoxazole: Effect of sulfur precursor and sulfur doping content. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134824	14.7	1
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26	Historical development and novel concepts upon electrolytes for aqueous rechargeable batteries. <i>Energy and Environmental Science</i> ,	35.4	9
25	The promises and challenges of aqueous Zinc-Sulfur batteries. 1, 1-4		
24	Non-electrode Components for Rechargeable Aqueous Zinc Batteries: Electrolytes, Solid-Electrolyte-Interphase, Current Collectors, Binders, and Separators.. <i>Advanced Materials</i> , <b>2021</b> , e2108206	24	9
23	Synergistic dual conversion reactions assisting Pb-S electrochemistry for energy storage.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2118675119	11.5	1
22	Redox Catalysis Promoted Activation of Sulfur Redox Chemistry for Energy-Dense Flexible Solid-State Zn-S Battery. <i>ACS Nano</i> , <b>2021</b> ,	16.7	5
21	A Simple Route to Fabricate an Artificial Interface Protective Layer on a Zn Anode for Aqueous Zn-Ion Batteries. <i>ChemistrySelect</i> , <b>2022</b> , 7,	1.8	
20	Conjugated cobalt polyphthalocyanine with defective extended structure for enhanced rechargeable li-oxygen batteries. <i>Chemical Engineering Journal</i> , <b>2022</b> , 444, 136544	14.7	0
19	Heteroatoms-doped biochar derived from deciduous resource as persulfate catalysts for efficient degradation of phenol. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 48, 102866	6.7	0
18	Sodium ion stabilized ammonium vanadate as a high-performance aqueous zinc-ion battery cathode. <i>Chemical Engineering Journal</i> , <b>2022</b> , 446, 137090	14.7	3
17	Energy storage technologies for sustainable development. <b>2022</b> , 583-606		1
16	The key role of concentrated Zn(OTF) <sub>2</sub> electrolyte in the performance of aqueous ZnS batteries. <i>Chemical Communications</i> ,	5.8	1
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13	Aqueous zinc-ion batteries based on a 2D layered Bi <sub>2</sub> Te <sub>3</sub> cathode. <i>Chemical Engineering Journal</i> , <b>2022</b> , 450, 138132	14.7	0
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11	Interspace and Vacancy Modulation: Promoting the Zinc Storage of Alcohol-Based OrganicInorganic Cathode in WaterOrganic Electrolyte. 2203920		0

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- 9 Multifunctional Quasi-Solid-State ZincSulfur Battery.
- 8 Initiating Reversible Aqueous Copper-Tellurium Conversion Reaction with High Volumetric Capacity through Electrolyte Engineering. 2209322
- 7 Aqueous ZincChalcogen Batteries: Emerging Conversion-Type Energy Storage Systems. **2023**, 9, 62
- 6 Recent advances in material chemistry for zinc enabled redox flow batteries.
- 5 ZIF-67/melamine derived hollow N-doped carbon/Co9S8 polyhedron to activate peroxymonosulfate for degradation of tetracycline. **2023**, 11, 109355
- 4 2D Mesoporous Zincophilic Sieve for High-Rate Sulfur-Based Aqueous Zinc Batteries. **2023**, 145, 5384-5392
- 3 Hybrid Electrolyte Design for High-Performance ZincSulfur Battery.
- 2 Fully integrated design of a stretchable kirigami-inspired micro-sized zincSulfur battery.
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