

Wenxi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,895
citations

393982

19
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

3276
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Acid Etching Strategy for Dendrite Suppression in Aqueous Zinc-Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2102797.	10.2	79
2	Hydrated eutectic electrolytes for high-performance Mg-ion batteries. <i>Energy and Environmental Science</i> , 2022, 15, 1282-1292.	15.6	56
3	FeSe ₂ nanoparticle embedded in 3D honeycomb-like N-doped carbon architectures coupled with electrolytes engineering boost superior potassium ion storage. <i>Electrochimica Acta</i> , 2021, 366, 137381.	2.6	18
4	Molecular Engineering of Covalent Organic Framework Cathodes for Enhanced Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2103617.	11.1	151
5	A Site-Selective Doping Strategy of Carbon Anodes with Remarkable K ⁺ Ion Storage Capacity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4448-4455.	7.2	162
6	Electrochemical Zinc Ion Capacitors Enhanced by Redox Reactions of Porous Carbon Cathodes. <i>Advanced Energy Materials</i> , 2020, 10, 2001705.	10.2	189
7	Efficient Na ⁺ Ion Storage in 2D TiS ₂ Formed by a Vapor Phase Anion-Exchange Process. <i>Small Methods</i> , 2020, 4, 2000439.	4.6	12
8	Direct Pyrolysis of Supermolecules: An Ultrahigh Edge-Nitrogen Doping Strategy of Carbon Anodes for Potassium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e2000732.	11.1	164
9	Phenanthroline Covalent Organic Framework Electrodes for High-Performance Zinc-Ion Supercapattery. <i>ACS Energy Letters</i> , 2020, 5, 2256-2264.	8.8	175
10	Carbon Nanotubes Coupled with Metal Ion Diffusion Layers Stabilize Oxide Conversion Reactions in High-Voltage Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16276-16285.	4.0	14
11	An Empirical Model for the Design of Batteries with High Energy Density. <i>ACS Energy Letters</i> , 2020, 5, 807-816.	8.8	97
12	A Site-Selective Doping Strategy of Carbon Anodes with Remarkable K ⁺ Ion Storage Capacity. <i>Angewandte Chemie</i> , 2020, 132, 4478-4485.	1.6	48
13	A Hierarchical Three-Dimensional Porous Laser-Scribed Graphene Film for Suppressing Polysulfide Shuttling in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18833-18839.	4.0	37
14	New Insight on the Role of Electrolyte Additives in Rechargeable Lithium Ion Batteries. <i>ACS Energy Letters</i> , 2019, 4, 2613-2622.	8.8	160
15	Understanding Ostwald Ripening and Surface Charging Effects in Solvothermally-Prepared Metal Oxide-Carbon Anodes for High Performance Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1902194.	10.2	50
16	Molecular-Scale Interfacial Model for Predicting Electrode Performance in Rechargeable Batteries. <i>ACS Energy Letters</i> , 2019, 4, 1584-1593.	8.8	117
17	An Exploration of New Energy Storage System: High Energy Density, High Safety, and Fast Charging Lithium Ion Battery. <i>Advanced Functional Materials</i> , 2019, 29, 1805978.	7.8	109
18	Zinc-ion batteries: Materials, mechanisms, and applications. <i>Materials Science and Engineering Reports</i> , 2019, 135, 58-84.	14.8	604

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19	Recognizing the Mechanism of Sulfurized Polyacrylonitrile Cathode Materials for Li-S Batteries and beyond in Al-S Batteries. ACS Energy Letters, 2018, 3, 2899-2907.	8.8	224
20	Stabilization of Black Phosphorous Quantum Dots in PMMA Nanofiber Film and Broadband Nonlinear Optics and Ultrafast Photonics Application. Advanced Functional Materials, 2017, 27, 1702437.	7.8	136
21	Ultrafine N-doped carbon nanoparticles with controllable size to enhance electrocatalytic activity for oxygen reduction reaction. RSC Advances, 2016, 6, 110758-110764.	1.7	10
22	Highly durable organic electrode for sodium-ion batteries via a stabilized $\dot{\text{C}}$ -C radical intermediate. Nature Communications, 2016, 7, 13318.	5.8	226
23	Large-scale fabrication of porous carbon-decorated iron oxide microcuboids from Fe-MOF as high-performance anode materials for lithium-ion batteries. RSC Advances, 2015, 5, 7356-7362.	1.7	57