

Huanyan Liu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,833
citations

394421

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610901

24
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docs citations

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times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc ion stabilized MnO ₂ nanospheres for high capacity and long lifespan aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13727-13735.	10.3	333
2	Superfine MnO ₂ Nanowires with Rich Defects Toward Boosted Zinc Ion Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34949-34958.	8.0	156
3	A Highly Flexible and Lightweight MnO ₂ /Graphene Membrane for Superior Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2007397.	14.9	153
4	Electrochemical activation of commercial MnO micro-sized particles for high-performance aqueous zinc-ion batteries. <i>Journal of Power Sources</i> , 2019, 438, 226951.	7.8	133
5	Interfacial Constructing Flexible V ₂ O ₅ @Polypyrrole Core-Shell Nanowire Membrane with Superior Supercapacitive Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18816-18823.	8.0	117
6	Structurally Engineered Hyperbranched NiCoP Arrays with Superior Electrocatalytic Activities toward Highly Efficient Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41237-41245.	8.0	110
7	Boosting zinc-ion intercalation in hydrated MoS ₂ nanosheets toward substantially improved performance. <i>Energy Storage Materials</i> , 2021, 35, 731-738.	18.0	106
8	Onion-like nanospheres organized by carbon encapsulated few-layer MoS ₂ nanosheets with enhanced lithium storage performance. <i>Journal of Power Sources</i> , 2019, 413, 327-333.	7.8	104
9	Building Ohmic Contact Interfaces toward Ultrastable Zn Metal Anodes. <i>Advanced Science</i> , 2021, 8, e2102612.	11.2	87
10	Ultrafast lithium energy storage enabled by interfacial construction of interlayer-expanded MoS ₂ /N-doped carbon nanowires. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13419-13427.	10.3	86
11	All-manganese-based Li-ion batteries with high rate capability and ultralong cycle life. <i>Nano Energy</i> , 2016, 22, 524-532.	16.0	84
12	Edge-oriented SnS ₂ nanosheet arrays on carbon paper as advanced binder-free anodes for Li-ion and Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23115-23122.	10.3	76
13	Triaxial Nanocables of Conducting Polypyrrole@SnS ₂ @Carbon Nanofiber Enabling Significantly Enhanced Li-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13581-13587.	8.0	49
14	Scale-up production of high-tap-density carbon/MnOx/carbon nanotube microcomposites for Li-ion batteries with ultrahigh volumetric capacity. <i>Chemical Engineering Journal</i> , 2018, 354, 220-227.	12.7	40
15	Activation of MnO hexagonal nanoplates via in situ electrochemical charging toward high-capacity and durable Zn-ion batteries. <i>Applied Surface Science</i> , 2020, 514, 145949.	6.1	40
16	Coaxial MoS ₂ @Carbon Hybrid Fibers: A Low-Cost Anode Material for High-Performance Li-Ion Batteries. <i>Materials</i> , 2017, 10, 174.	2.9	33
17	Mechanistic investigation of silver vanadate as superior cathode for high rate and durable zinc-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 659-666.	9.4	30
18	Facile Synthesis of V ₂ O ₅ Hollow Spheres as Advanced Cathodes for High-Performance Lithium-Ion Batteries. <i>Materials</i> , 2017, 10, 77.	2.9	28

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19	Heterostructured Sn/SnO ₂ nanotube peapods with a strong plasmonic effect for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16883-16891.	10.3	26
20	Integrated, Flexible Lithium Metal Battery with Improved Mechanical and Electrochemical Cycling Stability. <i>ACS Applied Energy Materials</i> , 2019, 2, 3642-3650.	5.1	15
21	Assembling metal-polyphenol coordination interfaces for longstanding zinc metal anodes. <i>EcoMat</i> , 2022, 4, .	11.9	10
22	An in-depth mechanistic insight into the redox reaction and degradation of aqueous Zn-MnO ₂ batteries. <i>Chinese Chemical Letters</i> , 2023, 34, 107525.	9.0	8
23	Self-Supported Ni(P, O)-MoO _x Nanowire Array on Nickel Foam as an Efficient and Durable Electrocatalyst for Alkaline Hydrogen Evolution. <i>Nanomaterials</i> , 2017, 7, 433.	4.1	5
24	Nanocaging Silicon Nanoparticles into a Porous Carbon Framework toward Enhanced Lithium Ion Storage. <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2100107.	2.3	4