

Huanyan Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6934347/publications.pdf>

Version: 2024-02-01

24
papers

1,833
citations

394421

19
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	An in-depth mechanistic insight into the redox reaction and degradation of aqueous Zn-MnO ₂ batteries. Chinese Chemical Letters, 2023, 34, 107525.	9.0	8
2	Assembling metal-polyphenol coordination interfaces for longstanding zinc metal anodes. EcoMat, 2022, 4, .	11.9	10
3	A Highly Flexible and Lightweight MnO ₂ /Graphene Membrane for Superior Zinc-ion Batteries. Advanced Functional Materials, 2021, 31, 2007397.	14.9	153
4	Boosting zinc-ion intercalation in hydrated MoS ₂ nanosheets toward substantially improved performance. Energy Storage Materials, 2021, 35, 731-738.	18.0	106
5	Nanocaging Silicon Nanoparticles into a Porous Carbon Framework toward Enhanced Lithium-ion Storage. Particle and Particle Systems Characterization, 2021, 38, 2100107.	2.3	4
6	Building Ohmic Contact Interfaces toward Ultrastable Zn Metal Anodes. Advanced Science, 2021, 8, e2102612.	11.2	87
7	Mechanistic investigation of silver vanadate as superior cathode for high rate and durable zinc-ion batteries. Journal of Colloid and Interface Science, 2020, 560, 659-666.	9.4	30
8	Superfine MnO ₂ Nanowires with Rich Defects Toward Boosted Zinc Ion Storage Performance. ACS Applied Materials & Interfaces, 2020, 12, 34949-34958.	8.0	156
9	Activation of MnO hexagonal nanoplates via in situ electrochemical charging toward high-capacity and durable Zn-ion batteries. Applied Surface Science, 2020, 514, 145949.	6.1	40
10	Electrochemical activation of commercial MnO micro-sized particles for high-performance aqueous zinc-ion batteries. Journal of Power Sources, 2019, 438, 226951.	7.8	133
11	Heterostructured Sn/SnO ₂ nanotube peapods with a strong plasmonic effect for photoelectrochemical water oxidation. Journal of Materials Chemistry A, 2019, 7, 16883-16891.	10.3	26
12	Zinc ion stabilized MnO ₂ nanospheres for high capacity and long lifespan aqueous zinc-ion batteries. Journal of Materials Chemistry A, 2019, 7, 13727-13735.	10.3	333
13	Integrated, Flexible Lithium Metal Battery with Improved Mechanical and Electrochemical Cycling Stability. ACS Applied Energy Materials, 2019, 2, 3642-3650.	5.1	15
14	Onion-like nanospheres organized by carbon encapsulated few-layer MoS ₂ nanosheets with enhanced lithium storage performance. Journal of Power Sources, 2019, 413, 327-333.	7.8	104
15	Triaxial Nanocables of Conducting Polypyrrole@SnS ₂ @Carbon Nanofiber Enabling Significantly Enhanced Li-Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 13581-13587.	8.0	49
16	Structurally Engineered Hyperbranched NiCoP Arrays with Superior Electrocatalytic Activities toward Highly Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 41237-41245.	8.0	110
17	Interfacial Constructing Flexible V ₂ O ₅ @Polypyrrole Core-Shell Nanowire Membrane with Superior Supercapacitive Performance. ACS Applied Materials & Interfaces, 2018, 10, 18816-18823.	8.0	117
18	Scale-up production of high-tap-density carbon/MnOx/carbon nanotube microcomposites for Li-ion batteries with ultrahigh volumetric capacity. Chemical Engineering Journal, 2018, 354, 220-227.	12.7	40

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	Self-Supported Ni(P, O) _x ·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	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