Huangxu Li

List of Publications by Year
in descending order

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33 papers	1,956 citations	430442 18 h-index	414034 32 g-index
33 all docs	33 docs citations	33 times ranked	1460 citing authors

#	Article	IF	Citations
1	Boosting potassium-storage performance via confining highly dispersed molybdenum dioxide nanoparticles within N-doped porous carbon nano-octahedrons. Journal of Colloid and Interface Science, 2022, 607, 1109-1119.	5.0	4
2	The biomimetic engineering of metalâ€“organic frameworks with single-chiral-site precision for asymmetric hydrogenation. Journal of Materials Chemistry A, 2022, 10, 6463-6469.	5.2	14
3	All-climate and air-stable NASICON-Na2TiV(PO4)3 cathode with three-electron reaction toward high-performance sodium-ion batteries. Chemical Engineering Journal, 2022, 433, 133542.	6.6	27
4	Organic/inorganic anions coupling enabled reversible high-valent redox in vanadium-based polyanionic compound. Energy Storage Materials, 2022, 47, 526-533.	9.5	15
5	Heteroatom-Substituted P2â€“Na_{2/3}Ni_{1/4}Mg_{1/12}Mn_{2/3}O₂ Cathode with {010} Exposing Facets Boost Anionic Activity and High-Rate Performance for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 18313-18323.	4.0	23
6	Engineering Stress-Release Structures Based on Biological Swelling in Carbon Fibers for Stable Sodium Ion Storage. ACS Applied Energy Materials, 2022, 5, 6091-6099.	2.5	0
7	Rationally Designed Sodium Chromium Vanadium Phosphate Cathodes with Multiâ€Electron Reaction for Fastâ€Charging Sodiumâ€Ion Batteries. Advanced Energy Materials, 2022, 12, .	10.2	71
8	Robust Artificial Interphases Constructed by a Versatile Proteinâ€Based Binder for Highâ€Voltage Naâ€Ion Battery Cathodes. Advanced Materials, 2022, 34, e2202624.	11.1	17
9	Ironâ€Phosphateâ€Based Cathode Materials for Costâ€Effective Sodiumâ€Ion Batteries: Development, Challenges, and Prospects. Advanced Materials Interfaces, 2022, 9, .	1.9	16
10	Stabilization of Multicationic Redox Chemistry in Polyanionic Cathode by Increasing Entropy. Advanced Science, 2022, 9, .	5.6	23
11	Stabilizing Na metal anode with NaF interface on spent cathode carbon from aluminum electrolysis. Chemical Communications, 2021, 57, 7561-7564.	2.2	11
12	Manganeseâ€Based Materials for Rechargeable Batteries beyond Lithiumâ€Ion. Advanced Energy Materials, 2021, 11, 2100867.	10.2	95
13	Controllable lithium deposition behavior hollow of N, O co-doped carbon nanospheres for practical lithium metal batteries. Chemical Engineering Journal, 2021, 412, 128721.	6.6	34
14	Enhanced Activity and Reversibility of Anionic Redox by Tuning Lithium Vacancies in Li-Rich Cathode Materials. ACS Applied Materials & Interfaces, 2021, 13, 39480-39490.	4.0	22
15	Scalable Synthesis of the Na₂FePO₄F Cathode Through an Economical and Reliable Approach for Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 11798-11806.	3.2	17
16	Ultra-High-Rate Na3V(PO3)3N Cathode with Superior Stability for Fast-Charging Sodium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 10136-10144.	2.5	14
17	Highly efficient, fast and reversible multi-electron reaction of Na3MnTi(PO4)3 cathode for sodium-ion batteries. Energy Storage Materials, 2020, 26, 325-333.	9.5	128
18	Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis. Accounts of Chemical Research, 2020, 53, 2106-2118.	7.6	75

#	Article	IF	Citations
19	Phase Engineering of Nanomaterials for Clean Energy and Catalytic Applications. Advanced Energy Materials, 2020, 10, 2002019.	10.2	85
20	Thermodynamically Metal Atom Trapping in Van der Waals Layers Enabling Multifunctional 3D Carbon Network. Advanced Functional Materials, 2020, 30, 2002626.	7.8	15
21	Polyanion-type cathode materials for sodium-ion batteries. Chemical Society Reviews, 2020, 49, 2342-2377.	18.7	422
22	Engineering of Polyanion Type Cathode Materials for Sodiumâ€Ion Batteries: Toward Higher Energy/Power Density. Advanced Functional Materials, 2020, 30, 2000473.	7.8	117
23	N-Doped Carbon Nanotubes Decorated Na₃V₂(PO₄)₂F₃ as a Durable Ultrahigh-rate Cathode for Sodium Ion Batteries. ACS Applied Energy Materials, 2020, 3, 3845-3853.	2.5	39
24	Dual carbon decorated Na3TiMn(PO4)3 as an advanced cathode for sodium-ion batteries. Ionics, 2020, 26, 3919-3927.	1.2	8
25	Full Activation of Mn⁴⁺/Mn³⁺ Redox in Na₄MnCr(PO₄)₃ as a Highâ€Voltage and Highâ€Rate Cathode Material for Sodiumâ€Ion Batteries. Small, 2020, 16, e2001524.	5.2	98
26	Robust graphene layer modified Na2MnP2O7 as a durable high-rate and high energy cathode for Na-ion batteries. Energy Storage Materials, 2019, 16, 383-390.	9.5	79
27	Engineering 3D Well-Interconnected Na₄MnV(PO₄)₃ Facilitates Ultrafast and Ultrastable Sodium Storage. ACS Applied Materials & Interfaces, 2019, 11, 35746-35754.	4.0	65
28	Enhancing structural stability unto 4.5â€¯V of Ni-rich cathodes by tungsten-doping for lithium storage. Journal of Power Sources, 2019, 423, 246-254.	4.0	100
29	Fabrication of Sb2S3 thin films by sputtering and post-annealing for solar cells. Ceramics International, 2019, 45, 3044-3051.	2.3	64
30	Antimonyâ€Doped Lithium Phosphate Artificial Solid Electrolyte Interphase for Dendriteâ€Free Lithiumâ€Metal Batteries. ChemElectroChem, 2019, 6, 1134-1138.	1.7	23
31	Rational Architecture Design Enables Superior Na Storage in Greener NASICONâ€Na₄MnV(PO₄)₃ Cathode. Advanced Energy Materials, 2018, 8, 1801418.	10.2	142
32	Triclinic Off-Stoichiometric Na_{3.12}Mn_{2.44}(P₂O₇)₂/C Cathode Materials for High-Energy/Power Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 24564-24572.	4.0	41
33	In-situ carbon-coated Na 2 FeP 2 O 7 anchored in three-dimensional reduced graphene oxide framework as a durable and high-rate sodium-ion battery cathode. Journal of Power Sources, 2017, 357, 164-172.	4.0	52