Haoxiang Yu

List of Publications by Year
in descending order

58 papers	2,321 citations	201385 27 h-index	214527 47 g-index
59 all docs	59 docs citations	59 times ranked	1631 citing authors

#	Article	IF	Citations
1	Heteroatom-doped carbon-based materials for lithium and sodium ion batteries. Energy Storage Materials, 2020, 32, 65-90.	9.5	225
2	TiNb 2 O 7 hollow nanofiber anode with superior electrochemical performance in rechargeable lithium ion batteries. Nano Energy, 2017, 38, 109-117.	8.2	160
3	An overview and future perspectives of aqueous rechargeable polyvalent ion batteries. Energy Storage Materials, 2019, 18, 68-91.	9.5	113
4	A TiSe₂â€Graphite Dual Ion Battery: Fast Naâ€Ion Insertion and Excellent Stability. Angewandte Chemie - International Edition, 2021, 60, 18430-18437.	7.2	102
5	Deep insights into kinetics and structural evolution of nitrogen-doped carbon coated TiNb24O62 nanowires as high-performance lithium container. Nano Energy, 2018, 54, 227-237.	8.2	96
6	Insight into the electrolyte strategies for aqueous zinc ion batteries. Coordination Chemistry Reviews, 2022, 452, 214297.	9.5	92
7	FeNb11O29 nanotubes: Superior electrochemical energy storage performance and operating mechanism. Nano Energy, 2019, 58, 399-409.	8.2	83
8	Functional cation defects engineering in TiS2 for high-stability anode. Nano Energy, 2020, 67, 104295.	8.2	83
9	Insight into the Synergistic Effect of N, S Coâ€Doping for Carbon Coating Layer on Niobium Oxide Anodes with Ultraâ€Long Life. Advanced Functional Materials, 2021, 31, 2100311.	7.8	82
10	Hydrogen Bond-Assisted Ultra-Stable and Fast Aqueous NH4+ Storage. Nano-Micro Letters, 2021, 13, 139.	14.4	77
11	Electrospun WNb₁₂O₃₃ nanowires: superior lithium storage capability and their working mechanism. Journal of Materials Chemistry A, 2017, 5, 8972-8980.	5.2	74
12	Prussian Blue Analogues in Aqueous Batteries and Desalination Batteries. Nano-Micro Letters, 2021, 13, 166.	14.4	73
13	Pretreated commercial TiSe2 as an insertion-type potassium container for constructing â€œRocking-Chairâ€•type potassium ion batteries. Energy Storage Materials, 2019, 22, 154-159.	9.5	71
14	Copper hexacyanoferrate as ultra-high rate host for aqueous ammonium ion storage. Chemical Engineering Journal, 2021, 421, 127767.	6.6	64
15	K6Nb10.8O30 groove nanobelts as high performance lithium-ion battery anode towards long-life energy storage. Nano Energy, 2018, 52, 192-202.	8.2	57
16	High-Rate Long-Life Pored Nanoribbon VNb₉O₂₅ Built by Interconnected Ultrafine Nanoparticles as Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 30608-30616.	4.0	54
17	K₂Nb₈O₂₁ nanotubes with superior electrochemical performance for ultrastable lithium storage. Journal of Materials Chemistry A, 2018, 6, 8620-8632.	5.2	51
18	Interlayer gap widened TiS2 for highly efficient sodium-ion storage. Journal of Materials Science and Technology, 2022, 107, 64-69.	5.6	50

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19	Review on niobium-based chalcogenides for electrochemical energy storage devices: Application and progress. Nano Energy, 2019, 65, 104049.	8.2	46
20	BaNb3.6O10 nanowires with superior electrochemical performance towards ultrafast and highly stable lithium storage. Energy Storage Materials, 2019, 16, 400-410.	9.5	43
21	Labâ€Scale In Situ Xâ€Ray Diffraction Technique for Different Battery Systems: Designs, Applications, and Perspectives. Small Methods, 2019, 3, 1900119.	4.6	39
22	Preparation of TiNb6O17 nanospheres as high-performance anode candidates for lithium-ion storage. Chemical Engineering Journal, 2019, 374, 937-946.	6.6	37
23	Polymorphism-Controlled Electrochemical Energy Storage Performance of LiNbWO₆. Chemistry of Materials, 2020, 32, 3376-3384.	3.2	31
24	Cu₂Nb₃₄O₈₇ nanowires as a superior lithium storage host in advanced rechargeable batteries. Inorganic Chemistry Frontiers, 2021, 8, 444-451.	3.0	31
25	Thermodynamic analysis and perspective of aqueous metal-sulfur batteries. Materials Today, 2021, 49, 184-200.	8.3	31
26	Pre-intercalation chemistry of electrode materials in aqueous energy storage systems. Coordination Chemistry Reviews, 2022, 460, 214477.	9.5	31
27	Synergistic dual conversion reactions assisting Pb-S electrochemistry for energy storage. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118675119.	3.3	28
28	LiY(MoO4)2 nanotubes: Novel zero-strain anode for electrochemical energy storage. Energy Storage Materials, 2019, 21, 297-307.	9.5	27
29	Cu3(PO4)2: Novel Anion Convertor for Aqueous Dual-Ion Battery. Nano-Micro Letters, 2021, 13, 41.	14.4	26
30	Carbon-Enhanced Electrochemical Performance for Spinel Li₅Cr₇Ti₆O₂₅ as a Lithium Host Material. ACS Sustainable Chemistry and Engineering, 2017, 5, 957-964.	3.2	24
31	Rapid and durable electrochemical storage behavior enabled by V₄Nb₁₈O₅₅ beaded nanofibers: a joint theoretical and experimental study. Journal of Materials Chemistry A, 2018, 6, 17389-17400.	5.2	24
32	Common ion effect enhanced Prussian blue analogues for aqueous ammonium ion storage. Dalton Transactions, 2021, 50, 6520-6527.	1.6	24
33	Effect of Sodium-Site Doping on Enhancing the Lithium Storage Performance of Sodium Lithium Titanate. ACS Applied Materials & Interfaces, 2016, 8, 10302-10314.	4.0	23
34	Observation of ZrNb₁₄O₃₇ Nanowires as a Lithium Container via In Situ and Ex Situ Techniques for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 22429-22438.	4.0	23
35	The Nature of the Ultrahigh Initial Coulombic Efficiency of Ni₂Fe(CN)₆ in Aqueous Ammonium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 9594-9599.	2.5	22
36	Nano-structured GeNb18O47 as novel anode host with superior lithium storage performance. Electrochimica Acta, 2018, 282, 634-641.	2.6	19

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37	Advanced BaLi₂Ti₆O₁₄ Anode Fabricated via Lithium Site Substitution by Magnesium. ACS Sustainable Chemistry and Engineering, 2016, 4, 4859-4867.	3.2	18
38	Lithium, sodium and potassium storage behaviors of Pb3Nb4O13 nanowires for rechargeable batteries. Ceramics International, 2018, 44, 17094-17101.	2.3	16
39	The journey of lithium ions in the lattice of PNb₉O₂₅. Materials Chemistry Frontiers, 2020, 4, 631-637.	3.2	15
40	Nickel ferrocyanides for aqueous ammonium ion batteries. Inorganic Chemistry Frontiers, 2022, 9, 2001-2010.	3.0	15
41	Commercially available InSb as a high-performance anode for secondary batteries towards superior lithium storage. Sustainable Energy and Fuels, 2019, 3, 2668-2674.	2.5	13
42	H0.92K0.08TiNbO5 Nanowires Enabling High-Performance Lithium-Ion Uptake. ACS Applied Materials & Interfaces, 2019, 11, 9136-9143.	4.0	13
43	Constructing Hollow Nanofibers To Boost Electrochemical Performance: Insight into Kinetics and the Li Storage Mechanism for CrNb₄₉O₁₂₄. ACS Applied Energy Materials, 2019, 2, 2672-2679.	2.5	12
44	Copper niobate nanowires boosted by a N, S co-doped carbon coating for superior lithium storage. Dalton Transactions, 2021, 50, 11030-11038.	1.6	11
45	A TiSe₂â€Graphite Dual Ion Battery: Fast Naâ€Ion Insertion and Excellent Stability. Angewandte Chemie, 2021, 133, 18578-18585.	1.6	10
46	Surface chemistry of LiFePO4 cathode material as unraveled by HRTEM and XPS. Ionics, 2021, 27, 31-37.	1.2	9
47	An anode-free aqueous dual-ion battery. Sustainable Energy and Fuels, 2021, 5, 3298-3302.	2.5	9
48	Solâ€“Gel Synthesis and in Situ X-ray Diffraction Study of Li₃Nd₃W₂O₁₂ as a Lithium Container. ACS Applied Materials & Interfaces, 2018, 10, 12716-12721.	4.0	7
49	Ti2Nb10O29@C hollow submicron ribbons for superior lithium storage. Ceramics International, 2022, 48, 23334-23340.	2.3	7
50	Hydrothermal synthesis of Î²-MnO2 nanorods for highly efficient zinc-ion storage. Ionics, 2021, 27, 3943-3950.	1.2	6
51	Lithiation/Delithiation Behavior of Silver Nitrate as Lithium Storage Material for Lithium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2017, 5, 5686-5693.	3.2	5
52	Electrochemical uptake/release of lithium in GaNb11O29 nanowires as anode material for rechargeable lithium ion battery. Ceramics International, 2020, 46, 20537-20544.	2.3	5
53	Optimizing NH₄⁺ Storage Capability of Nickel Ferrocyanide by Regulating Coordination Anion in Aqueous Electrolytes. ChemElectroChem, 2022, 9, .	1.7	5
54	Compositing SrLi2Ti6O14 with chemical deposited silver for enhancing lithium ion storage. Ceramics International, 2019, 45, 6885-6890.	2.3	3

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55	Lithium storage behaviors of PbNb2O6 in rechargeable batteries. Ceramics International, 2021, 47, 26732-26737.	2.3	2
56	The finding of nickel extraction material: How nickel ferrocyanide offer excess capacity. Nano Today, 2021, 41, 101327.	6.2	1
57	Frontispiece: A TiSe₂â€Graphite Dual Ion Battery: Fast Naâ€Ion Insertion and Excellent Stability. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
58	Frontispiz: A TiSe₂â€Graphite Dual Ion Battery: Fast Naâ€Ion Insertion and Excellent Stability. Angewandte Chemie, 2021, 133, .	1.6	0