

Zhaoxin Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7888641/publications.pdf>

Version: 2024-02-01

30
papers

4,285
citations

257101

24
h-index

433756

31
g-index

31
all docs

31
docs citations

31
times ranked

6033
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong Lithium Polysulfide Chemisorption on Electroactive Sites of Nitrogen-Doped Carbon Composites For High-Performance Lithium-Sulfur Battery Cathodes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4325-4329.	7.2	686
2	Advanced Sulfur Cathode Enabled by Highly Crumpled Nitrogen-Doped Graphene Sheets for High-Energy-Density Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016, 16, 864-870.	4.5	531
3	Interpenetrated Gel Polymer Binder for High-Performance Silicon Anodes in Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2014, 24, 5904-5910.	7.8	459
4	Chemically Bonded Phosphorus/Graphene Hybrid as a High Performance Anode for Sodium-Ion Batteries. <i>Nano Letters</i> , 2014, 14, 6329-6335.	4.5	434
5	Advanced Sodium Ion Battery Anode Constructed <i>via</i> Chemical Bonding between Phosphorus, Carbon Nanotube, and Cross-Linked Polymer Binder. <i>ACS Nano</i> , 2015, 9, 11933-11941.	7.3	255
6	Mesoporous Carbon-Carbon Nanotube-Sulfur Composite Microspheres for High-Areal-Capacity Lithium-Sulfur Battery Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11355-11362.	4.0	230
7	Phosphorus-Graphene Nanosheet Hybrids as Lithium-Ion Anode with Exceptional High-Temperature Cycling Stability. <i>Advanced Science</i> , 2015, 2, 1400020.	5.6	214
8	Exceptionally High Ionic Conductivity in $\text{Na}_3\text{P}_2\text{O}_8$ with Improved Moisture Stability for Solid-State Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1605561.	11.1	164
9	Functional Organosulfide Electrolyte Promotes an Alternate Reaction Pathway to Achieve High Performance in Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4231-4235.	7.2	149
10	Salt-Based Organic-Inorganic Nanocomposites: Towards A Stable Lithium Metal/Li ₁₀ GeP ₂ S ₁₂ Solid Electrolyte Interface. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13608-13612.	7.2	138
11	Advanced anode for sodium-ion battery with promising long cycling stability achieved by tuning phosphorus-carbon nanostructures. <i>Nano Energy</i> , 2017, 40, 550-558.	8.2	99
12	Flexible freestanding sandwich-structured sulfur cathode with superior performance for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8623-8627.	5.2	87
13	High capacity of lithium-sulfur batteries at low electrolyte/sulfur ratio enabled by an organosulfide containing electrolyte. <i>Nano Energy</i> , 2017, 31, 418-423.	8.2	83
14	A Fluorinated Ether Electrolyte Enabled High Performance Prelithiated Graphite/Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6959-6966.	4.0	65
15	Amorphous phosphorus-carbon nanotube hybrid anode with ultralong cycle life and high-rate capability for lithium-ion batteries. <i>Carbon</i> , 2019, 148, 518-524.	5.4	65
16	A quaternary sodium superionic conductor - Na _{10.8} Sn _{1.9} P _{11.8} . <i>Nano Energy</i> , 2018, 47, 325-330.	8.2	55
17	Study on γ -butyrolactone for LiBOB-based electrolytes. <i>Journal of Power Sources</i> , 2009, 189, 458-461.	4.0	50
18	Effect of spark plasma sintering temperature on thermoelectric properties of Bi ₂ S ₃ polycrystal. <i>Journal of Materials Research</i> , 2011, 26, 2711-2718.	1.2	48

#	ARTICLE	IF	CITATIONS
19	Origin of Outstanding Phase and Moisture Stability in a $\text{Na}_3\text{P}_2\text{As}_4\text{S}_4$ Superionic Conductor. ACS Applied Materials & Interfaces, 2017, 9, 16261-16269.	4.0	46
20	Synthesis and understanding of $\text{Na}_{11}\text{Sn}_2\text{PSe}_{12}$ with enhanced ionic conductivity for all-solid-state Na-ion battery. Energy Storage Materials, 2019, 17, 70-77.	9.5	42
21	Controllable synthesis: Bi_2S_3 nanostructure powders and highly textured polycrystals. CrystEngComm, 2012, 14, 2283.	1.3	41
22	Ti-substituted $\text{Li}[\text{Li}_{0.26}\text{Mn}_{0.6}\text{Ti}_x\text{Ni}_{0.07}\text{Co}_{0.07}\text{O}_2]_2$ layered cathode material with improved structural stability and suppressed voltage fading. Journal of Materials Chemistry A, 2015, 3, 17376-17384.	5.2	40
23	Functional Organosulfide Electrolyte Promotes an Alternate Reaction Pathway to Achieve High Performance in Lithium-Sulfur Batteries. Angewandte Chemie, 2016, 128, 4303-4307.	1.6	35
24	Room-Temperature Synthesis of Mesoporous Sn/SnO_2 Composite as Anode for Sodium-Ion Batteries. European Journal of Inorganic Chemistry, 2016, 2016, 1950-1954.	1.0	23
25	A Raman spectroscopy investigation of the interactions of LiBOB with $\hat{\Gamma}^3\text{-BL}$ as electrolyte for advanced lithium batteries. Journal of Power Sources, 2010, 195, 4285-4289.	4.0	21
26	Early Failure of Lithium-Sulfur Batteries at Practical Conditions: Crosstalk between Sulfur Cathode and Lithium Anode. Advanced Science, 2022, 9, e2201640.	5.6	12
27	A Lithium Feedstock Pathway: Coupled Electrochemical Extraction and Direct Battery Materials Manufacturing. ACS Energy Letters, 2022, 7, 2420-2427.	8.8	9
28	Synthesis and Thermoelectric Properties of LAST System Bulk Materials: Substitution of Sulfur for Tellurium. Journal of Electronic Materials, 2012, 41, 1337-1342.	1.0	6
29	Salt-Based Organic-Inorganic Nanocomposites: Towards A Stable Lithium Metal/Li ₁₀ GeP ₂ S ₁₂ Solid Electrolyte Interface. Angewandte Chemie, 2018, 130, 13796-13800.	1.6	5
30	Enhancing Moisture Stability of Sulfide Solid-State Electrolytes by Reversible Amphipathic Molecular Coating. ACS Applied Materials & Interfaces, 2022, 14, 32035-32042.	4.0	5