Zhenlu Yu

List of Publications by Year
in descending order

9 papers	806 citations	1039406 9 h-index	1473754 9 g-index
9 all docs	9 docs citations	9 times ranked	666 citing authors

#	Article	IF	Citations
1	Recent progress of surface coating on cathode materials for high-performance lithium-ion batteries. Journal of Energy Chemistry, 2020, 43, 220-235.	7.1	272
2	An integrated surface coating strategy to enhance the electrochemical performance of nickel-rich layered cathodes. Nano Energy, 2022, 91, 106665.	8.2	143
3	Enhanced Electrochemical Performance of Ni-Rich Cathode Materials with Li_{1.3}Al_{0.3}Ti_{1.7}(PO₄)₃ Coating. ACS Sustainable Chemistry and Engineering, 2020, 8, 5819-5830.	3.2	118
4	Synthesis and Mechanism of High Structural Stability of Nickel-Rich Cathode Materials by Adjusting Li-Excess. ACS Applied Materials & Interfaces, 2020, 12, 40393-40403.	4.0	93
5	Improving the Structure Stability of LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ by Double Modification of Tantalum Surface Coating and Doping. ACS Applied Energy Materials, 2021, 4, 8641-8652.	2.5	52
6	Carbon-coated cation-disordered rocksalt-type transition metal oxide composites for high energy Li-ion batteries. Ceramics International, 2021, 47, 1758-1765.	2.3	50
7	Synthesis and Redox Mechanism of Cation-Disordered, Rock-Salt Cathode-Material Liâ€“Niâ€“Tiâ€“Nbâ€“O Compounds for a Li-Ion Battery. ACS Applied Materials & Interfaces, 2019, 11, 35777-35787.	4.0	31
8	Design and tailoring of carbon-Al2O3 double coated nickel-based cation-disordered cathodes towards high-performance Li-ion batteries. Nano Energy, 2022, 96, 107071.	8.2	26
9	High-rate capability of carbon-coated micron-sized hexagonal TT-Nb2O5 composites for lithium-ion battery. Ceramics International, 2021, 47, 15400-15407.	2.3	21