Hong Tan

List of Publications by Year
in descending order

15 papers	1,266 citations	759233 12 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	1631 citing authors

#	Article	IF	Citations
1	Critical roles of microstructure and interphase on the stability of microsized germanium anode. Journal of Power Sources, 2021, 481, 228916.	7.8	9
2	Rational design of microstructure and interphase enables high-capacity and long-life carbon anodes for potassium ion batteries. Carbon, 2021, 176, 383-389.	10.3	30
3	Realizing high-power and high-capacity zinc/sodium metal anodes through interfacial chemistry regulation. Nature Communications, 2021, 12, 3083.	12.8	167
4	Synergistic PF6â^' and FSIâ^' intercalation enables stable graphite cathode for potassium-based dual ion battery. Carbon, 2021, 178, 363-370.	10.3	25
5	Understanding potassium ion storage mechanism in pitch-derived soft carbon and the consequence on cyclic stability. Journal of Power Sources, 2021, 506, 230179.	7.8	39
6	Advanced lignin-derived hard carbon for Na-ion batteries and a comparison with Li and K ion storage. Carbon, 2020, 157, 316-323.	10.3	121
7	Exploring the structure evolution of MoS₂ upon Li/Na/K ion insertion and the origin of the unusual stability in potassium ion batteries. Nanoscale Horizons, 2020, 5, 1618-1627.	8.0	13
8	Tailoring desolvation kinetics enables stable zinc metal anodes. Journal of Materials Chemistry A, 2020, 8, 19367-19374.	10.3	136
9	KVPO₄F as a novel insertion-type anode for potassium ion batteries. Chemical Communications, 2019, 55, 11311-11314.	4.1	28
10	Preserved Layered Structure Enables Stable Cyclic Performance of MoS₂ upon Potassium Insertion. Chemistry of Materials, 2019, 31, 8801-8809.	6.7	39
11	Exploring room- and low-temperature performance of hard carbon material in half and full Na-ion batteries. Electrochimica Acta, 2019, 316, 60-68.	5.2	32
12	The underestimated charge storage capability of carbon cathodes for advanced alkali metal-ion capacitors. Nanoscale, 2019, 11, 11445-11450.	5.6	9
13	Nanostructures of solid electrolyte interphases and their consequences for microsized Sn anodes in sodium ion batteries. Energy and Environmental Science, 2019, 12, 1550-1557.	30.8	167
14	K3V2(PO4)2F3 as a robust cathode for potassium-ion batteries. Energy Storage Materials, 2019, 16, 97-101.	18.0	145
15	Bismuth Microparticles as Advanced Anodes for Potassiumâ€ion Battery. Advanced Energy Materials, 2018, 8, 1703496.	19.5	306