Shengwen

List of Publications by Year
in descending order

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16 papers	367 citations	1163117 8 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	405 citing authors

#	Article	IF	Citations
1	Synergistically Enhanced Electrochemical Performance of Ni-rich Cathode Materials for Lithium-ion Batteries by K and Ti Co-modification. Journal of Physical Chemistry C, 2020, 124, 2346-2356.	3.1	96
2	Li2TiO3 and Li2ZrO3 co-modification LiNi0.8Co0.1Mn0.1O2 cathode material with improved high-voltage cycling performance for lithium-ion batteries. Solid State Ionics, 2020, 349, 115292.	2.7	55
3	Synthesis and electrochemical properties of LiNi0.8CoxMn0.2-xO2 positive-electrode material for lithium-ion batteries. Electrochimica Acta, 2016, 212, 343-351.	5.2	46
4	Ni-Rich Oxide LiNi_{0.85}Co_{0.05}Mn_{0.1}O₂ for Lithium Ion Battery: Effect of Microwave Radiation on Its Morphology and Electrochemical Property. Journal of the Electrochemical Society, 2019, 166, A1300-A1309.	2.9	37
5	The use of a single-crystal nickel-rich layered NCM cathode for excellent cycle performance of lithium-ion batteries. New Journal of Chemistry, 2021, 45, 3652-3659.	2.8	33
6	Microwaveâ€Assisted Synthesis of Co₃O₄ Sheets for Reversible Li Storage: Regulation of Structure and Performance. ChemElectroChem, 2017, 4, 1236-1242.	3.4	19
7	Synergistic and Durable Pt-WC Catalyst for Methanol Electro-Oxidation in Ionic Liquid Aqueous Solution. ACS Applied Energy Materials, 2019, 2, 8459-8463.	5.1	19
8	Facile synthesis of Li2ZrO3-modified LiNi0.5Mn0.5O2 cathode material from a mechanical milling route for lithium-ion batteries. Journal of Electroceramics, 2019, 43, 84-91.	2.0	12
9	A two-dimensional MXene/BN van der Waals heterostructure as an anode material for lithium-ion batteries. Physical Chemistry Chemical Physics, 2022, 24, 13713-13719.	2.8	9
10	Induction and Maintenance of Local Structural Durability for Highâ€Energy Nickelâ€Rich Layered Oxides. Small Methods, 2022, 6, e2200255.	8.6	9
11	Xylitol-assisted ball milling of graphite to prepare long-cycle and high-capacity graphene nanosheet as lithium-ion anode materials. Journal of Materials Science, 2021, 56, 18200-18209.	3.7	8
12	An aqueous ZnCl2/Fe(bpy)3Cl2 flow battery with mild electrolyte. Frontiers of Materials Science, 2020, 14, 442-449.	2.2	7
13	Three Methods to Reduce Gas Evolution from a Lithium-Rich Manganese/Graphite Pouch Cell. Energy & Fuels, 2021, 35, 15143-15152.	5.1	5
14	Compressibility and crystalline structures of PVDF membranes under elevated gravity acceleration by two-axis spin coating technology. Physical Chemistry Chemical Physics, 0, , .	2.8	5
15	First-principles insights into ammonia decomposition on the MoN(0001) surface. New Journal of Chemistry, 2021, 45, 15234-15239.	2.8	4
16	Co-modification of conductive graphite and Zr doping to enhance the Li-storage properties of Ni-rich binary cathode material. Ionics, 2022, 28, 1055-1064.	2.4	3