Xiao-Hui Ning

List of Publications by Year
in descending order

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27	788	623734	552781
papers	citations	14 h-index	26 g-index

28	28	28	1089
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intermediate-temperature liquid-solid metal battery by adopting Li4Ti5O12-based material as cathode. Electrochimica Acta, 2022, 409, 139990.	5.2	1
2	An advanced Niâ€“Graphite molten salt battery with 95ÂÂ°C operating temperature for energy storage application. Chemical Engineering Journal, 2022, 435, 135110.	12.7	5
3	Improving electrochemical performance of LiMn0.5Fe0.5PO4 cathode by hybrid coating of Li3VO4 and carbon. Electrochimica Acta, 2021, 368, 137597.	5.2	16
4	Refined Tin Nanoparticles by Oxidationâ€“Reduction Treatment for Use in Potassium-Ion Batteries. ACS Applied Nano Materials, 2021, 4, 4432-4440.	5.0	1
5	Controllable synthesis of carbon-coated Fe3O4 nanorings with high Li/Na storage performance. Journal of Alloys and Compounds, 2021, 878, 160359.	5.5	21
6	Breaking dendrites of lithium metal electrode by resonance: A theoretical calculation of lattice dynamics. Chemical Physics Letters, 2021, 780, 138921.	2.6	0
7	A low-cost intermediate temperature Fe/Graphite battery for grid-scale energy storage. Energy Storage Materials, 2020, 25, 801-810.	18.0	10
8	Ascorbic acid-assisted solvothermal synthesis of LiMn_{1-x}Fe_xPO₄/C nanoparticles for high-performance Li-ion cathode materials. Materials Technology, 2020, 35, 565-571.	3.0	11
9	Electrochemical properties of Caâ€“Pb electrode for calcium-based liquid metal batteries. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 1723-1729.	4.9	10
10	Anodic Dissolution of Titanium Oxycarbide TiCxO1-x with Different O/C Ratio. Journal of the Electrochemical Society, 2019, 166, E22-E28.	2.9	15
11	Capacity extended bismuth-antimony cathode for high-performance liquid metal battery. Journal of Power Sources, 2018, 381, 38-45.	7.8	43
12	Superior full-cell cycling and rate performance achieved by carbon coated hollow Fe3O4 nanoellipsoids for lithium ion battery. Electrochimica Acta, 2018, 288, 71-81.	5.2	24
13	Reduced expansion and improved full-cell cycling of a SnO_x#C embedded structure for lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 15738-15746.	10.3	9
14	Chestnut-like SnO2/C nanocomposites with enhanced lithium ion storage properties. Nano Energy, 2016, 30, 885-891.	16.0	64
15	In situ TEM observing structural transitions of MoS₂upon sodium insertion and extraction. RSC Advances, 2016, 6, 96035-96038.	3.6	20
16	Enhanced conversion reaction kinetics in low crystallinity SnO₂/CNT anodes for Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 10964-10973.	10.3	111
17	In situ transmission electron microscopy study of the electrochemical sodiation process for a single CuO nanowire electrode. RSC Advances, 2016, 6, 11441-11445.	3.6	17
18	Thermal treatment-induced ductile-to-brittle transition of submicron-sized Si pillars fabricated by focused ion beam. Applied Physics Letters, 2015, 106, .	3.3	24

#	Article	IF	Citations
19	Self-healing Liâ€“Bi liquid metal battery for grid-scale energy storage. Journal of Power Sources, 2015, 275, 370-376.	7.8	149
20	Calcium-Antimony Alloys as Electrodes for Liquid Metal Batteries. Journal of the Electrochemical Society, 2014, 161, A1898-A1904.	2.9	54
21	Preparation of Titanium Deposit in Chloride Melts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2011, 42, 1181-1187.	2.1	45
22	Anodic Dissolution Behavior of TiCxOy in NaCl-KCl Melt. Electrochemistry, 2010, 78, 513-516.	1.4	13
23	Electrochemical dissolution behavior of conductive TiCxO1â€“x solid solutions. Pure and Applied Chemistry, 2010, 82, 1691-1699.	1.9	29
24	Electrocatalytic oxidation behavior of L-cysteine at Pt microparticles modified nanofibrous polyaniline film electrode. Central South University, 2008, 15, 170-175.	0.5	5
25	Electrosynthesis of polyaniline films on titanium by pulse potentiostatic method. Synthetic Metals, 2007, 157, 98-103.	3.9	32
26	Comparison of the growth process and electrochemical properties of polyaniline films prepared by pulse potentiostatic and potentiostatic method on titanium electrode. Journal of Applied Polymer Science, 2007, 104, 458-463.	2.6	14
27	Synthesis of polyaniline-silver nanocomposite film by unsymmetrical square wave current method. Thin Solid Films, 2006, 510, 164-168.	1.8	43