

# Xiao-Hui Ning

## List of Publications by Year in descending order

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27  
papers

788  
citations

623734

14  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-healing Li-Bi liquid metal battery for grid-scale energy storage. <i>Journal of Power Sources</i> , 2015, 275, 370-376.	7.8	149
2	Enhanced conversion reaction kinetics in low crystallinity SnO <sub>2</sub> /CNT anodes for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10964-10973.	10.3	111
3	Chestnut-like SnO <sub>2</sub> /C nanocomposites with enhanced lithium ion storage properties. <i>Nano Energy</i> , 2016, 30, 885-891.	16.0	64
4	Calcium-Antimony Alloys as Electrodes for Liquid Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1898-A1904.	2.9	54
5	Preparation of Titanium Deposit in Chloride Melts. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2011, 42, 1181-1187.	2.1	45
6	Synthesis of polyaniline-silver nanocomposite film by unsymmetrical square wave current method. <i>Thin Solid Films</i> , 2006, 510, 164-168.	1.8	43
7	Capacity extended bismuth-antimony cathode for high-performance liquid metal battery. <i>Journal of Power Sources</i> , 2018, 381, 38-45.	7.8	43
8	Electrosynthesis of polyaniline films on titanium by pulse potentiostatic method. <i>Synthetic Metals</i> , 2007, 157, 98-103.	3.9	32
9	Electrochemical dissolution behavior of conductive TiC <sub>x</sub> O <sub>1-x</sub> solid solutions. <i>Pure and Applied Chemistry</i> , 2010, 82, 1691-1699.	1.9	29
10	Thermal treatment-induced ductile-to-brittle transition of submicron-sized Si pillars fabricated by focused ion beam. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	24
11	Superior full-cell cycling and rate performance achieved by carbon coated hollow Fe <sub>3</sub> O <sub>4</sub> nanoellipsoids for lithium ion battery. <i>Electrochimica Acta</i> , 2018, 288, 71-81.	5.2	24
12	Controllable synthesis of carbon-coated Fe <sub>3</sub> O <sub>4</sub> nanorings with high Li/Na storage performance. <i>Journal of Alloys and Compounds</i> , 2021, 878, 160359.	5.5	21
13	In situ TEM observing structural transitions of MoS <sub>2</sub> upon sodium insertion and extraction. <i>RSC Advances</i> , 2016, 6, 96035-96038.	3.6	20
14	In situ transmission electron microscopy study of the electrochemical sodiation process for a single CuO nanowire electrode. <i>RSC Advances</i> , 2016, 6, 11441-11445.	3.6	17
15	Improving electrochemical performance of LiMn <sub>0.5</sub> Fe <sub>0.5</sub> PO <sub>4</sub> cathode by hybrid coating of Li <sub>3</sub> VO <sub>4</sub> and carbon. <i>Electrochimica Acta</i> , 2021, 368, 137597.	5.2	16
16	Anodic Dissolution of Titanium Oxycarbide TiC <sub>x</sub> O <sub>1-x</sub> with Different O/C Ratio. <i>Journal of the Electrochemical Society</i> , 2019, 166, E22-E28.	2.9	15
17	Comparison of the growth process and electrochemical properties of polyaniline films prepared by pulse potentiostatic and potentiostatic method on titanium electrode. <i>Journal of Applied Polymer Science</i> , 2007, 104, 458-463.	2.6	14
18	Anodic Dissolution Behavior of TiC <sub>x</sub> O <sub>y</sub> in NaCl-KCl Melt. <i>Electrochemistry</i> , 2010, 78, 513-516.	1.4	13

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19	Ascorbic acid-assisted solvothermal synthesis of $\text{LiMn}_{1-x}\text{Fe}_x\text{PO}_4/\text{C}$ nanoparticles for high-performance Li-ion cathode materials. <i>Materials Technology</i> , 2020, 35, 565-571.	3.0	11
20	A low-cost intermediate temperature Fe/Graphite battery for grid-scale energy storage. <i>Energy Storage Materials</i> , 2020, 25, 801-810.	18.0	10
21	Electrochemical properties of Ca-Pb electrode for calcium-based liquid metal batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 1723-1729.	4.9	10
22	Reduced expansion and improved full-cell cycling of a $\text{SnO}_x/\text{C}$ embedded structure for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15738-15746.	10.3	9
23	Electrocatalytic oxidation behavior of L-cysteine at Pt microparticles modified nanofibrous polyaniline film electrode. <i>Central South University</i> , 2008, 15, 170-175.	0.5	5
24	An advanced Ni-Graphite molten salt battery with 95°C operating temperature for energy storage application. <i>Chemical Engineering Journal</i> , 2022, 435, 135110.	12.7	5
25	Refined Tin Nanoparticles by Oxidation-Reduction Treatment for Use in Potassium-Ion Batteries. <i>ACS Applied Nano Materials</i> , 2021, 4, 4432-4440.	5.0	1
26	Intermediate-temperature liquid-solid metal battery by adopting $\text{Li}_4\text{Ti}_5\text{O}_{12}$ -based material as cathode. <i>Electrochimica Acta</i> , 2022, 409, 139990.	5.2	1
27	Breaking dendrites of lithium metal electrode by resonance: A theoretical calculation of lattice dynamics. <i>Chemical Physics Letters</i> , 2021, 780, 138921.	2.6	0