

# Qizhen Xiao

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,122  
citations

623734

14  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2058  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel polyethylene terephthalate nonwoven separator based on electrospinning technique for lithium ion battery. <i>Journal of Membrane Science</i> , 2013, 428, 11-16.	8.2	197
2	Macroporous polymer electrolytes based on PVDF/PEO-b-PMMA block copolymer blends for rechargeable lithium ion battery. <i>Journal of Membrane Science</i> , 2009, 334, 117-122.	8.2	176
3	A multilayer Si/CNT coaxial nanofiber LIB anode with a high areal capacity. <i>Energy and Environmental Science</i> , 2014, 7, 655-661.	30.8	174
4	Si nanoparticles/graphene composite membrane for high performance silicon anode in lithium ion batteries. <i>Carbon</i> , 2016, 98, 373-380.	10.3	109
5	Soft silicon anodes for lithium ion batteries. <i>Energy and Environmental Science</i> , 2014, 7, 2261.	30.8	70
6	High performance carbon nanotubeâ€“Si coreâ€“shell wires with a rationally structured core for lithium ion battery anodes. <i>Nanoscale</i> , 2013, 5, 1503.	5.6	66
7	Synthesis, characterization, and electrochemical performances of core-shell Ni(SO <sub>4</sub> ) <sub>0.3</sub> (OH) <sub>1.4</sub> /C and NiO/C nanobelts. <i>Journal of Materials Chemistry</i> , 2012, 22, 7224.	6.7	39
8	A novel polyvinylidene fluoride/microfiber composite gel polymer electrolyte with an interpenetrating network structure for lithium ion battery. <i>Electrochimica Acta</i> , 2014, 125, 450-456.	5.2	37
9	Embedding of Mg-doped V <sub>2</sub> O <sub>5</sub> nanoparticles in a carbon matrix to improve their electrochemical properties for high-energy rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17432-17441.	10.3	36
10	Superior Sodium Storage of Carbon-Coated NaV <sub>6</sub> O <sub>15</sub> Nanotube Cathode: Pseudocapacitance Versus Intercalation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10631-10641.	8.0	35
11	Novel siliconâ€“nickel cone arrays for high performance LIB anodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 20870.	6.7	26
12	Freestanding silicon/carbon nanofibers composite membrane as a flexible anode for Li-Ion battery. <i>Journal of Power Sources</i> , 2018, 403, 103-108.	7.8	20
13	Flexible freestanding 3D Si/C composite nanofiber film fabricated using the electrospinning technique for lithium-ion batteries anode. <i>Solid State Ionics</i> , 2019, 337, 70-75.	2.7	20
14	The coaxial MnO <sub>2</sub> /CNTs nanocomposite freestanding membrane on SSM substrate as anode materials in high performance lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 834, 161-166.	3.8	18
15	A capsule-type gelled polymer electrolyte for rechargeable lithium batteries. <i>RSC Advances</i> , 2016, 6, 47833-47839.	3.6	14
16	K-Doped Li-Rich Molybdenum-Based Oxide with Improved Electrochemical Properties for Lithium-Ion Batteries. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 4291-4298.	3.0	13
17	Design and Synthesis of SnO <sub>2</sub> Nanosheets/Nickel/Polyvinylidene Fluoride Ternary Composite as Free-standing, Flexible Electrode for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2015, 178, 336-343.	5.2	12
18	Coaxial MnO <sub>2</sub> Nanoshell/CNFs Composite Film Anode for High-Performance Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A487-A492.	2.9	12

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19	Hybrid $\text{LiV}_3\text{O}_8$ /carbon encapsulated $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Co}_{0.13}\text{Ni}_{0.13}\text{O}_2$ with improved electrochemical properties for lithium ion batteries. RSC Advances, 2016, 6, 28729-28736.	3.6	11
20	Preparation and electrochemical performance of gel polymer electrolytes with a novel star network. Journal of Applied Electrochemistry, 2009, 39, 247-251.	2.9	8
21	Preparation of coaxial Sn-Co alloy/CNFs 3D freestanding membrane anode by electrochemical Co-deposition for lithium-ion batteries. Ionics, 2019, 25, 5735-5743.	2.4	7
22	The improved electrochemical performances of $\text{LiMn}_{1-x}\text{Fe}_x\text{PO}_4$ solid solutions as cathodes for Lithium-ion batteries. Materials Technology, 2017, 32, 272-278.	3.0	6
23	$\text{AlPO}_4$ -coated $\text{V}_2\text{O}_5$ nanoplatelet and its electrochemical properties in aqueous electrolyte. Pure and Applied Chemistry, 2014, 86, 651-659.	1.9	5
24	EXCELLENT CYCLING PERFORMANCE OF THREE-DIMENSIONAL-ORDERED MACROPOROUS $\text{NiFe}_2\text{O}_4$ AS ANODE MATERIAL FOR LITHIUM ION BATTERIES. Functional Materials Letters, 2011, 04, 327-331.	1.2	4
25	An investigation of a novel $\text{MnO}_2$ network-Ni/PVDF double shell/core membrane as an anode for lithium ion batteries. Physical Chemistry Chemical Physics, 2015, 17, 18699-18704.	2.8	4
26	Excellent cyclic performance of electrolytic $\text{MnO}_2$ in Li/ $\text{MnO}_2$ rechargeable batteries. SN Applied Sciences, 2019, 1, 1.	2.9	3