

Guofeng Xu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Surface Heterostructure Induced by PrPO ₄ Modification in Li _{1.2} [Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ Cathode Material for High-Performance Lithium-Ion Batteries with Mitigating Voltage Decay. ACS Applied Materials & Interfaces, 2017, 9, 27936-27945.	8.0	81
2	In situ polyaniline modified cathode material Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ with high rate capacity for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 18613-18623.	10.3	79
3	Superionic Fluorinated Halide Solid Electrolytes for Highly Stable Li-Metal in All-Solid-State Li Batteries. Advanced Energy Materials, 2021, 11, 2101915.	19.5	61
4	High capacity 0.5Li ₂ MnO ₃ ·0.5LiNi _{0.33} Co _{0.33} Mn _{0.33} O ₂ cathode material via a fast co-precipitation method. Electrochimica Acta, 2013, 87, 686-692.	5.2	56
5	Enhanced oxygen reducibility of 0.5Li ₂ MnO ₃ ·0.5LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode material with mild acid treatment. Journal of Power Sources, 2014, 248, 894-899.	7.8	44
6	Progress and perspectives on typical inorganic solid-state electrolytes. Journal of Alloys and Compounds, 2021, 885, 161013.	5.5	42
7	Origin of high electrochemical stability of multi-metal chloride solid electrolytes for high energy all-solid-state lithium-ion batteries. Nano Energy, 2022, 92, 106674.	16.0	36
8	Improved cycle performance of Li[Li _{0.2} Mn _{0.54} Co _{0.13} Ni _{0.13}]O ₂ by Ga doping for lithium ion battery cathode material. Solid State Ionics, 2017, 301, 64-71.	2.7	30
9	Preparation of the cactus-like porous manganese oxide assisted with surfactant sodium dodecyl sulfate for supercapacitors. Journal of Alloys and Compounds, 2015, 621, 86-92.	5.5	26
10	Understanding the enhanced electrochemical performance of samarium substituted Li[Li _{0.2} Mn _{0.54} ·xSmxCo _{0.13} Ni _{0.13}]O ₂ cathode material for lithium ion batteries. Solid State Ionics, 2016, 293, 7-12.	2.7	25
11	Stabilizing the structure and suppressing the voltage decay of Li[Li _{0.2} Mn _{0.54} Co _{0.13} Ni _{0.13}]O ₂ cathode materials for Li-ion batteries via multifunctional Pr ₂ O ₃ surface modification. Ceramics International, 2016, 42, 18620-18630.	4.8	24
12	Elevated electrochemical performance of (NH ₄) ₃ AlF ₆ -coated 0.5Li ₂ MnO ₃ ·0.5LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode material via a novel wet coating method. Electrochimica Acta, 2014, 117, 41-47.	5.2	22
13	Fabrication and electrochemical characteristics of electrospun LiMn ₂ O ₄ nanofiber cathode for Li-ion batteries. Materials Letters, 2014, 117, 175-178.	2.6	21
14	Microwave-hydrothermal preparation of a graphene/hierarchy structure MnO ₂ composite for a supercapacitor. Particuology, 2014, 15, 27-33.	3.6	18
15	Understanding the electrochemical superiority of 0.6Li[Li _{1/3} Mn _{2/3}]O ₂ ·0.4Li[Ni _{1/3} Co _{1/3} Mn _{1/3}]O ₂ nanofibers as cathode material for lithium ion batteries. Electrochimica Acta, 2015, 173, 672-679.	5.2	18
16	Characterization of cathode from LiNi _x Mn _{2x} O ₄ nanofibers by electrospinning for Li-ion batteries. RSC Advances, 2015, 5, 108007-108014.	3.6	10
17	Effects of Potential Modes on Performances of Electrodeposited Poly[Ni(salen)]/MWCNTs Composite as Supercapacitor Electrode Material. Electrochemistry, 2016, 84, 427-431.	1.4	8
18	Stabilizing the Oxygen Ions and Alleviating the Surface Structure Evolution of Li-Excess Layered Cathode for Advanced Lithium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A2441-A2447.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Understanding the Charge Storage Mechanism and Electrochemical Performance on the Poly[Ni(salen)]-modified Electrode Electropolymerized with Different Sweep Rate. <i>Electrochemistry</i> , 2017, 85, 461-468.	1.4	4
20	Elevated stability of nickel-rich oxide cathode material with concentration gradient of transition metals via a novel size-controllable calcination method. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162252.	5.5	3
21	The formation and electrochemical property of lithium-excess cathode material $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Mn}_{0.54}\text{O}_2$ with petal-like nanoplate microstructure. <i>Ionics</i> , 2017, 23, 2285-2291.	2.4	2