

Guo Ai

List of Publications by Year in descending order

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15
papers

519
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1040056

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times ranked

826
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing spacial skeleton for lithium metal anode with Li ⁺ concentration regulation and interfacial modification. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162802.	5.5	1
2	Addressing the Prominent Li ⁺ Intercalation Process of Metal Sulfide Catalyst in Li-S Batteries. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	14
3	Regulating Li-ion flux with a high-dielectric hybrid artificial SEI for stable Li metal anodes. <i>Nanoscale</i> , 2022, 14, 5033-5043.	5.6	28
4	Metal-organic framework derived gradient interfacial layer for stable lithium metal anode. <i>Electrochimica Acta</i> , 2022, 417, 140333.	5.2	6
5	Design of antimony nanocomposite for high areal capacity sodium battery anodes. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165336.	5.5	3
6	Insights into the Dynamic Catalytic Effect of Metal Sulfides with Prominent Lithiation Process in the Application of Li-S Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 11131-11141.	5.1	3
7	Novel Hoberman Sphere Design for Interlaced Mn ₃ O ₄ @CNT Architecture with Atomic Layer Deposition-Coated TiO ₂ Overlayer as Advanced Anodes in Li-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39282-39292.	8.0	24
8	Manganese-Based Lithium-Ion Battery: Mn ₃ O ₄ Anode Versus LiNi _{0.5} Mn _{1.5} O ₄ Cathode. <i>Automotive Innovation</i> , 2020, 3, 123-132.	5.1	3
9	Development of a Synergistic Activation Strategy for the Pilot-Scale Construction of Hierarchical Porous Graphitic Carbon for Energy Storage Applications. <i>ACS Nano</i> , 2020, 14, 4741-4754.	14.6	47
10	Investigation of the Nanocrystal CoS ₂ Embedded in 3D Honeycomb-like Graphitic Carbon with a Synergistic Effect for High-Performance Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33987-33999.	8.0	77
11	Nitrogen-doped carbon coated SnO ₂ nanoparticles embedded in a hierarchical porous carbon framework for high-performance lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2019, 428, 44-52.	7.8	73
12	All Graphene Lithium Ion Capacitor with High-Energy-Power Density Performance. <i>Acta Chimica Sinica</i> , 2018, 76, 644.	1.4	9
13	Biomimetic Ant-Nest Electrode Structures for High Sulfur Ratio Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016, 16, 5365-5372.	9.1	73
14	Rational Design and Facial Synthesis of Li ₃ V ₂ (PO ₄) ₃ @C Nanocomposites Using Carbon with Different Dimensions for Ultrahigh-Rate Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12057-12066.	8.0	46
15	Investigation of surface effects through the application of the functional binders in lithium sulfur batteries. <i>Nano Energy</i> , 2015, 16, 28-37.	16.0	112