

Jiafeng Ruan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Respective Roles of Inner and Outer Carbon in Boosting the K ⁺ Storage Performance of Dual-Carbon-Confined ZnSe. <i>Advanced Science</i> , 2022, 9, e2104822.	11.2	35
2	Improved Low-Temperature Performance of Rocking-Chair Sodium-Ion Hybrid Capacitor by Mitigating the De-solvation Energy and Interphase Resistance. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	12
3	Two-Dimensional CuGaSe ₂ @ZnSe-NC Heterostructures for Enhanced Sodium Ion Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 2761-2768.	5.1	13
4	Flower-Like Interlayer-Expanded MoS ₂ Nanosheets Confined in Hollow Carbon Spheres with High-Efficiency Electrocatalysis Sites for Advanced Sodium-Sulfur Battery. <i>Small</i> , 2021, 17, e2101879.	10.0	53
5	Enhanced Ionic/Electronic Transport in Nano-TiO ₂ /Sheared CNT Composite Electrode for Na ⁺ Insertion-based Hybrid Ion-Capacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1908309.	14.9	54
6	Revealing the Role of Liquid Metals at the Anode-Electrolyte Interface for All Solid-State Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38232-38240.	8.0	13
7	Tailor-Made Gives the Best Fits: Superior Na/K-Ion Storage Performance in Exclusively Confined Red Phosphorus System. <i>ACS Nano</i> , 2020, 14, 12222-12233.	14.6	55
8	Rational Construction of Nitrogen-Doped Hierarchical Dual-Carbon for Advanced Potassium-Ion Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2020, 10, 1904045.	19.5	197
9	Boosting lithium ion storage of lithium nickel manganese oxide via conformally interfacial nanocoating. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 153-162.	9.4	23
10	Nitrogen-doped hollow carbon nanospheres towards the application of potassium ion storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19305-19315.	10.3	83
11	Inside or Outside: Origin of Lithium Dendrite Formation of All Solid-State Electrolytes. <i>Advanced Energy Materials</i> , 2019, 9, 1902123.	19.5	76
12	Lithium Dendrites: Inside or Outside: Origin of Lithium Dendrite Formation of All Solid-State Electrolytes (Adv. Energy Mater. 40/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970155.	19.5	4
13	Cu _{0.33} Co _{0.67} S ₂ Hexagonal Sheets with 2D Hierarchical Structures for High-Rate and Long-Term Lithium Storage. <i>ChemNanoMat</i> , 2019, 5, 531-538.	2.8	3