

Jiafeng Ruan

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

621
citations

933447

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docs citations

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times ranked

868
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Inside or Outside: Origin of Lithium Dendrite Formation of All Solid-State Electrolytes. <i>Advanced Energy Materials</i> , 2019, 9, 1902123. | 19.5 | 76 |
| 4 | 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 |
| 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 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Improved Low-Temperature Performance of Rocking-Chair Sodium-Ion Hybrid Capacitor by Mitigating the Desolvation Energy and Interphase Resistance. <i>Advanced Functional Materials</i> , 2022, 32, . | 14.9 | 12 |
| 12 | Lithium Dendrites: Inside or Outside: Origin of Lithium Dendrite Formation of All Solid-State Electrolytes (<i>Adv. Energy Mater.</i> 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 |