

Kai Sun

List of Publications by Year in descending order

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12
papers

739
citations

1040056

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1199594

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times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of ultrathin NiCo ₂ S ₄ nano-petals inspired by blooming buds for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7144-7152.	10.3	251
2	Flexible and Wearable All-Solid-State Supercapacitors with Ultrahigh Energy Density Based on a Carbon Fiber Fabric Electrode. <i>Advanced Energy Materials</i> , 2017, 7, 1700409.	19.5	169
3	Freestanding flexible graphene foams@polypyrrole@MnO ₂ electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9196-9203.	10.3	83
4	Nb ₂ O ₅ /RGO Nanocomposite Modified Separators with Robust Polysulfide Traps and Catalytic Centers for Boosting Performance of Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1902363.	10.0	83
5	Fabrication of hybrid Co ₃ O ₄ /NiCo ₂ O ₄ nanosheets sandwiched by nanoneedles for high-performance supercapacitors using a novel electrochemical ion exchange. <i>Science China Materials</i> , 2017, 60, 1168-1178.	6.3	38
6	A Hierarchical Interconnected Nanosheet Structure of Porous γ-MnO ₂ on Graphite Paper as Cathode with a Broad Potential Window for NaNO ₃ Aqueous Electrolyte Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 2614-2622.	5.1	32
7	Ion-Selective Covalent Organic Framework Membranes as a Catalytic Polysulfide Trap to Arrest the Redox Shuttle Effect in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4079-4090.	8.0	32
8	Controlled Growth of Fine Multifilaments in Polymer-Based Memristive Devices Via the Conduction Control. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34370-34377.	8.0	23
9	Flexible all-solid-state ultrahigh-energy asymmetric supercapacitors based on tailored morphology of NiCoO ₂ /Ni(OH) ₂ /Co(OH) ₂ electrodes. <i>CrystEngComm</i> , 2018, 20, 6519-6528.	2.6	14
10	A Novel Strategy for the Selection of Polysulfide Adsorbents Toward High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900393.	3.7	7
11	Sandwich-like SnS ₂ /graphene multilayers for efficient lithium/sodium storage. <i>Dalton Transactions</i> , 2021, 50, 14884-14890.	3.3	6
12	The Synergy of La ₂ O ₃ Nanoparticles and Graphene for Advanced Li-S Batteries. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1