

# Kai Sun

## List of Publications by Year in descending order

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12  
papers

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1040056

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1338  
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#	ARTICLE	IF	CITATIONS
1	Ion-Selective Covalent Organic Framework Membranes as a Catalytic Polysulfide Trap to Arrest the Redox Shuttle Effect in Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2022, 14, 4079-4090.	8.0	32
2	The Synergy of La <sub>2</sub> O <sub>3</sub> Nanoparticles and Graphene for Advanced Li-S Batteries. ChemistrySelect, 2022, 7, .	1.5	1
3	Sandwich-like SnS <sub>2</sub> /graphene multilayers for efficient lithium/sodium storage. Dalton Transactions, 2021, 50, 14884-14890.	3.3	6
4	Controlled Growth of Fine Multifilaments in Polymer-Based Memristive Devices Via the Conduction Control. ACS Applied Materials & Interfaces, 2020, 12, 34370-34377.	8.0	23
5	A Hierarchical Interconnected Nanosheet Structure of Porous MnO <sub>2</sub> on Graphite Paper as Cathode with a Broad Potential Window for NaNO <sub>3</sub> Aqueous Electrolyte Supercapacitors. ACS Applied Energy Materials, 2020, 3, 2614-2622.	5.1	32
6	Nb <sub>2</sub> O <sub>5</sub> /RGO Nanocomposite Modified Separators with Robust Polysulfide Traps and Catalytic Centers for Boosting Performance of Lithium-Sulfur Batteries. Small, 2019, 15, e1902363.	10.0	83
7	A Novel Strategy for the Selection of Polysulfide Adsorbents Toward High-Performance Lithium-Sulfur Batteries. Advanced Materials Interfaces, 2019, 6, 1900393.	3.7	7
8	Flexible all-solid-state ultrahigh-energy asymmetric supercapacitors based on tailored morphology of NiCo <sub>2</sub> (OH) <sub>2</sub> /Co(OH) <sub>2</sub> electrodes. CrystEngComm, 2018, 20, 6519-6528.	2.6	14
9	Facile synthesis of ultrathin NiCo <sub>2</sub> S <sub>4</sub> nano-petals inspired by blooming buds for high-performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 7144-7152.	10.3	251
10	Flexible and Wearable All-Solid-State Supercapacitors with Ultrahigh Energy Density Based on a Carbon Fiber Fabric Electrode. Advanced Energy Materials, 2017, 7, 1700409.	19.5	169
11	Fabrication of hybrid Co <sub>3</sub> O <sub>4</sub> /NiCo <sub>2</sub> O <sub>4</sub> nanosheets sandwiched by nanoneedles for high-performance supercapacitors using a novel electrochemical ion exchange. Science China Materials, 2017, 60, 1168-1178.	6.3	38
12	Freestanding flexible graphene foams@polypyrrole/MnO <sub>2</sub> electrodes for high-performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 9196-9203.	10.3	83