

# Sai Wang

## List of Publications by Year in descending order

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18  
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docs citations

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2596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transformation of Rusty Stainless Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7881-7885.	13.8	241
2	Surfactant-Free Aqueous Synthesis of Pure Single-Crystalline SnSe Nanosheet Clusters as Anode for High Energy and Power-Density Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1602469.	21.0	231
3	High-Energy-Density Flexible Potassium-Ion Battery Based on Patterned Electrodes. <i>Joule</i> , 2018, 2, 736-746.	24.0	199
4	Reconstructed Orthorhombic V <sub>2</sub> O <sub>5</sub> Polyhedra for Fast Ion Diffusion in K-Ion Batteries. <i>CheM</i> , 2019, 5, 168-179.	11.7	174
5	Pure Single-Crystalline Na <sub>1.1</sub> V <sub>3</sub> O <sub>7.9</sub> Nanobelts as Superior Cathode Materials for Rechargeable Sodium-Ion Batteries. <i>Advanced Science</i> , 2015, 2, 1400018.	11.2	110
6	Dendritic Ni-P-Coated Melamine Foam for a Lightweight, Low-Cost, and Amphipathic Three-Dimensional Current Collector for Binder-Free Electrodes. <i>Advanced Materials</i> , 2014, 26, 7264-7270.	21.0	103
7	N-Doped C@Zn <sub>3</sub> B <sub>2</sub> O <sub>6</sub> as a Low Cost and Environmentally Friendly Anode Material for Na-Ion Batteries: High Performance and New Reaction Mechanism. <i>Advanced Materials</i> , 2019, 31, e1805432.	21.0	72
8	Green and Facile Fabrication of MWNTs@Sb <sub>2</sub> S <sub>3</sub> @PPy Coaxial Nanocables for High-Performance Na-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 493-499.	2.3	66
9	Integrating 3D Flower-Like Hierarchical Cu <sub>2</sub> NiSnS <sub>4</sub> with Reduced Graphene Oxide as Advanced Anode Materials for Na-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9178-9184.	8.0	64
10	Relaxor behavior of (Ba,Bi)(Ti,Al)O <sub>3</sub> ferroelectric ceramic. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	56
11	Recent Progresses and Prospects of Cathode Materials for Non-aqueous Potassium-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2018, 1, 548-566.	25.5	48
12	Transformation of Rusty Stainless Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. <i>Angewandte Chemie</i> , 2017, 129, 7989-7993.	2.0	46
13	P3-type K <sub>0.33</sub> Co <sub>0.53</sub> Mn <sub>0.47</sub> O <sub>2</sub> ·0.39H <sub>2</sub> O: a novel bifunctional electrode for Na-ion batteries. <i>Materials Horizons</i> , 2017, 4, 1122-1127.	12.2	41
14	Imine-Rich Poly( <i>o</i> -phenylenediamine) as High-Capacity Trifunctional Organic Electrode for Alkali-Ion Batteries. <i>CCS Chemistry</i> , 2019, 1, 365-372.	7.8	40
15	Flexible Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/ink human wearable strain sensors with high sensitivity and a wide sensing range. <i>Sensors and Actuators A: Physical</i> , 2020, 315, 112304.	4.1	27
16	P3-type K <sub>0.32</sub> Fe <sub>0.35</sub> Mn <sub>0.65</sub> O <sub>2</sub> ·0.39H <sub>2</sub> O: a promising cathode for Na-ion full batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13075-13081.	10.3	22
17	Hierarchical porous SnO <sub>2</sub> /Mn <sub>2</sub> O <sub>3</sub> core/shell microspheres as advanced anode materials for lithium-ion batteries. <i>Materials Letters</i> , 2015, 145, 104-107.	2.6	20
18	Effect of carbon dimensions on the electrochemical performance of SnSe <sub>2</sub> anode for Na-ion batteries. <i>Materials Letters</i> , 2021, 284, 128989.	2.6	6