

Yao, Shanshan

List of Publications by Year in descending order

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papers

2,128
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236925
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31
docs citations

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times ranked

3205
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Exploration of Conversion-Alloying Reaction Based Anodes for High-Performance K-Ion Batteries. , 2021, 3, 406-413.		21
2	Recent advances in emerging nonaqueous K-ion batteries: from mechanistic insights to practical applications. Energy Storage Materials, 2021, 39, 305-346.	18.0	27
3	Dual-phase MoS ₂ as a high-performance sodium-ion battery anode. Journal of Materials Chemistry A, 2020, 8, 2114-2122.	10.3	160
4	Dendrite-free lithium metal and sodium metal batteries. Energy Storage Materials, 2020, 27, 522-554.	18.0	151
5	MoSe ₂ nanosheets embedded in nitrogen/phosphorus co-doped carbon/graphene composite anodes for ultrafast sodium storage. Journal of Power Sources, 2020, 476, 228660.	7.8	28
6	The effect of chemically preintercalated alkali ions on the structure of layered titanates and their electrochemistry in aqueous energy storage systems. Journal of Materials Chemistry A, 2020, 8, 18220-18231.	10.3	8
7	Thin solid electrolyte interface on chemically bonded Sb ₂ Te ₃ /CNT composite anodes for high performance sodium ion full cells. Nano Energy, 2020, 71, 104613.	16.0	38
8	Metal-organic framework-induced mesoporous carbon nanofibers as an ultrastable Na metal anode host. Journal of Materials Chemistry A, 2020, 8, 10269-10282.	10.3	47
9	Nano-fibrous composite sound absorbers inspired by owl feather surfaces. Applied Acoustics, 2019, 156, 151-157.	3.3	17
10	Ultrafast Li ⁺ Diffusion Kinetics of 2D Oxidized Phosphorus for Quasi-Solid-State Bendable Batteries with Exceptional Energy Densities. Chemistry of Materials, 2019, 31, 4113-4123.	6.7	17
11	Nitrogen-doped graphene fiber webs for multi-battery energy storage. Nanoscale, 2019, 11, 6334-6342.	5.6	38
12	Graphene/RuO ₂ nanocrystal composites as sulfur host for lithium-sulfur batteries. Journal of Energy Chemistry, 2019, 35, 204-211.	12.9	32
13	Correlation between Li Plating Behavior and Surface Characteristics of Carbon Matrix toward Stable Li Metal Anodes. Advanced Energy Materials, 2019, 9, 1802777.	19.5	109
14	Ultrathin Sb ₂ S ₃ nanosheet anodes for exceptional pseudocapacitive contribution to multi-battery charge storage. Energy Storage Materials, 2019, 20, 36-45.	18.0	51
15	Understanding the roles of activated porous carbon nanotubes as sulfur support and separator coating for lithium-sulfur batteries. Electrochimica Acta, 2018, 268, 1-9.	5.2	61
16	Hierarchical MoS ₂ /Carbon microspheres as long-life and high-rate anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 5668-5677.	10.3	128
17	Revealing Pseudocapacitive Mechanisms of Metal Dichalcogenide SnS ₂ /Graphene@CNT Aerogels for High-Energy Na Hybrid Capacitors. Advanced Energy Materials, 2018, 8, 1702488.	19.5	135
18	Rational Assembly of Hollow Microporous Carbon Spheres as P Hosts for Long-Life Sodium-Ion Batteries. Advanced Energy Materials, 2018, 8, 1702267.	19.5	85

#	ARTICLE	IF	CITATIONS
19	Highly conductive porous graphene/sulfur composite ribbon electrodes for flexible lithium-sulfur batteries. <i>Nanoscale</i> , 2018, 10, 21132-21141.	5.6	27
20	Chemical interactions between red P and functional groups in NiP3/CNT composite anodes for enhanced sodium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20184-20194.	10.3	44
21	Novel 2D Sb ₂ S ₃ Nanosheet/CNT Coupling Layer for Exceptional Polysulfide Recycling Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1800710.	19.5	93
22	Sodiation Behaviors of 1D Van Der Waals Sb ₂ S ₃ Nanorods By in-Situ TEM and DFT Calculations. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
23	Porous RuO ₂ nanosheet/CNT electrodes for DMSO-based Li-O ₂ and Li ion O ₂ batteries. <i>Energy Storage Materials</i> , 2017, 8, 110-118.	18.0	36
24	Dense graphene monolith oxygen cathodes for ultrahigh volumetric energy densities. <i>Energy Storage Materials</i> , 2017, 9, 134-139.	18.0	19
25	Sb-doped SnO ₂ /graphene-CNT aerogels for high performance Li-ion and Na-ion battery anodes. <i>Energy Storage Materials</i> , 2017, 9, 85-95.	18.0	85
26	Atomic scale, amorphous FeOx/carbon nanofiber anodes for Li-ion and Na-ion batteries. <i>Energy Storage Materials</i> , 2017, 8, 10-19.	18.0	78
27	Recent progress in rational design of anode materials for high-performance Na-ion batteries. <i>Energy Storage Materials</i> , 2017, 7, 64-114.	18.0	211
28	Unveiling the Unique Phase Transformation Behavior and Sodiation Kinetics of 1D van der Waals Sb ₂ S ₃ Anodes for Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602149.	19.5	152
29	Positive role of oxygen vacancy in electrochemical performance of CoMn ₂ O ₄ cathodes for Li-O ₂ batteries. <i>Journal of Power Sources</i> , 2017, 365, 134-147.	7.8	84
30	A high-performance lithium ion oxygen battery consisting of Li ₂ O ₂ cathode and lithiated aluminum anode with nafion membrane for reduced O ₂ crossover. <i>Nano Energy</i> , 2017, 40, 258-263.	16.0	35
31	Enhanced conversion reaction kinetics in low crystallinity SnO ₂ /CNT anodes for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10964-10973.	10.3	111