

Shuoqing Zhao

List of Publications by Year in descending order

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43
papers

2,276
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218677

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2848
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Dependent Nucleation and Growth of Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11364-11368.	13.8	182
2	Reaction Mechanisms of Layered Lithium-Rich Cathode Materials for High-Energy Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2208-2220.	13.8	170
3	Towards high-energy-density lithium-ion batteries: Strategies for developing high-capacity lithium-rich cathode materials. <i>Energy Storage Materials</i> , 2021, 34, 716-734.	18.0	149
4	Recent Advances in Rechargeable Magnesium-Based Batteries for High-Efficiency Energy Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1903591.	19.5	132
5	Controlled synthesis of hierarchical birnessite-type MnO ₂ nanoflowers for supercapacitor applications. <i>Applied Surface Science</i> , 2015, 356, 259-265.	6.1	114
6	Phosphorus and Oxygen Dual-Doped Porous Carbon Spheres with Enhanced Reaction Kinetics as Anode Materials for High-Performance Potassium-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2102060.	14.9	96
7	The Rise of Prussian Blue Analogs: Challenges and Opportunities for High-Performance Cathode Materials in Potassium-Ion Batteries. <i>Small Structures</i> , 2021, 2, 2000054.	12.0	91
8	Hydrothermal synthesis and electrochemical properties of V ₂ O ₅ nanomaterials with different dimensions. <i>Ceramics International</i> , 2015, 41, 12626-12632.	4.8	83
9	Construction of Hierarchical K _{1.39} Mn ₃ O ₆ Spheres via AlF ₃ Coating for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803757.	19.5	83
10	Tunable porous carbon spheres for high-performance rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12816-12841.	10.3	82
11	Hierarchical three-dimensional FeCo ₂ O ₄ @MnO ₂ core-shell nanosheet arrays on nickel foam for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2017, 228, 175-182.	5.2	81
12	Facile synthesis of three-dimensional NiCo ₂ O ₄ with different morphology for supercapacitors. <i>RSC Advances</i> , 2016, 6, 70077-70084.	3.6	75
13	Aegis of Lithium-Rich Cathode Materials via Heterostructured LiAlF ₄ Coating for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33260-33268.	8.0	74
14	Temperature-Dependent Nucleation and Growth of Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2019, 131, 11486-11490.	2.0	72
15	Nanoengineering of Advanced Carbon Materials for Sodium-Ion Batteries. <i>Small</i> , 2021, 17, e2007431.	10.0	72
16	Hydrothermal synthesis of urchin-like MnO ₂ nanostructures and its electrochemical character for supercapacitor. <i>Applied Surface Science</i> , 2015, 351, 862-868.	6.1	69
17	Amaryllis-like NiCo ₂ S ₄ nanoflowers for high-performance flexible carbon-fiber-based solid-state supercapacitor. <i>Ceramics International</i> , 2016, 42, 11851-11857.	4.8	63
18	Rational synthesis of Cu-doped porous γ-MnO ₂ microsphere for high performance supercapacitor applications. <i>Electrochimica Acta</i> , 2016, 191, 716-723.	5.2	52

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19	Hierarchical 3D NiCo ₂ O ₄ @ZnWO ₄ core-shell structures as binder-free electrodes for all-solid-state supercapacitors. <i>Applied Surface Science</i> , 2018, 452, 113-122.	6.1	52
20	{10 \hat{a} €“12} Twins across twin boundaries traced by in situ EBSD. <i>Journal of Alloys and Compounds</i> , 2017, 690, 699-706.	5.5	50
21	Achieving High \hat{a} €Performance 3D K ⁺ /Ti ₃ C ₂ T _x MXene for Potassium-Ion Hybrid Capacitors via Regulating Electrolyte Solvation Structure. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26246-26253.	13.8	50
22	K ₂ Ti ₂ O ₅ @C Microspheres with Enhanced K ⁺ Intercalation Pseudocapacitance Ensuring Fast Potassium Storage and Long \hat{a} €Term Cycling Stability. <i>Small</i> , 2020, 16, e1906131.	10.0	49
23	Hydrothermal synthesis of hierarchical mesoporous NiO nanourchins and their supercapacitor application. <i>Materials Letters</i> , 2016, 162, 67-70.	2.6	44
24	Dendrite-Free Sodium Metal Batteries Enabled by the Release of Contact Strain on Flexible and Sodiophilic Matrix. <i>Nano Letters</i> , 2020, 20, 6112-6119.	9.1	42
25	NiCo ₂ O ₄ arrays nanostructures on nickel foam: Morphology control and application for pseudocapacitors. <i>Ceramics International</i> , 2016, 42, 14976-14983.	4.8	40
26	Urchinlike hex-WO ₃ microspheres: Hydrothermal synthesis and gas-sensing properties. <i>Materials Letters</i> , 2015, 144, 106-109.	2.6	31
27	High-efficiency cathode potassium compensation and interfacial stability improvement enabled by dipotassium squarate for potassium-ion batteries. <i>Energy and Environmental Science</i> , 2022, 15, 3015-3023.	30.8	25
28	Oxygen redox chemistry in lithium-rich cathode materials for Li-ion batteries: Understanding from atomic structure to nano-engineering. <i>Nano Materials Science</i> , 2022, 4, 322-338.	8.8	24
29	Cr-doped MnO ₂ nanostructure: morphology evolution and electrochemical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3265-3270.	2.2	20
30	CoMoO ₄ nanosheets assembled 3D-frameworks for high-performance energy storage. <i>Ceramics International</i> , 2018, 44, 2446-2452.	4.8	19
31	Facile hydrothermal synthesis of one-dimensional nanostructured \hat{I} -MnO ₂ for supercapacitors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 83, 41-46.	2.7	14
32	Truncated NiCo ₂ S ₄ cubohexa-octahedral nanostructures for high-performance supercapacitor. <i>Materials Letters</i> , 2017, 189, 21-24.	2.6	13
33	Facile ordered ZnCo ₂ O ₄ @MnO ₂ nanosheet arrays for superior-performance supercapacitor electrode. <i>Solid State Sciences</i> , 2018, 84, 51-56.	3.2	13
34	Facile synthesis of nickel doped walnut-like MnO ₂ nanoflowers and their application in supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6202-6207.	2.2	12
35	Electrochemical properties of hollow MnO ₂ nanostructure: synthesis and application. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 418-425.	2.2	7
36	One-pot synthesis of novel one-dimensional bismuth oxychloride nanotube. <i>Materials Letters</i> , 2016, 168, 13-16.	2.6	6

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37	Assembly of bulbous ZnO nanorods to bulbous nanoflowers and their high selectivity towards formaldehyde. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4966-4971.	2.2	5
38	Stabilizing BiOCl/Ti ₃ C ₂ T _x hybrids for potassium-ion batteries via solid electrolyte interphase reconstruction. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3165-3175.	6.0	5
39	Low-cost and high-performance electrode materials based on BiCoO ₃ microspheres. <i>Ceramics International</i> , 2017, 43, 2956-2961.	4.8	4
40	Reaktionsmechanismen Lithium-reicher Schicht-Kathodenmaterialien für Hochenergie-Lithium-Ionenbatterien. <i>Angewandte Chemie</i> , 2021, 133, 2236-2248.	2.0	4
41	Achieving High-Performance 3D K ⁺ -Pre-intercalated Ti ₃ C ₂ T _x MXene for Potassium-Ion Hybrid Capacitors via Regulating Electrolyte Solvation Structure. <i>Angewandte Chemie</i> , 2021, 133, 26450-26457.	2.0	3
42	Hydrothermal synthesis of ZnO microcakes assembled by octahedrons and their gas-sensing property. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 9529-9534.	2.2	2
43	Facile synthesis of self-supporting MnCo ₂ O ₄ hollow structures. <i>Materials Letters</i> , 2018, 214, 127-129.	2.6	2