Shuoqing Zhao

List of Publications by Year
in descending order

43 papers	2,276 citations	218677 26 h-index	254184 43 g-index
43 all docs	43 docs citations	43 times ranked	2848 citing authors

#	Article	IF	Citations
1	Oxygen redox chemistry in lithium-rich cathode materials for Li-ion batteries: Understanding from atomic structure to nano-engineering. Nano Materials Science, 2022, 4, 322-338.	8.8	24
2	High-efficiency cathode potassium compensation and interfacial stability improvement enabled by dipotassium squarate for potassium-ion batteries. Energy and Environmental Science, 2022, 15, 3015-3023.	30.8	25
3	Stabilizing BiOCl/Ti₃C₂T_{<i>x</i>}hybrids for potassium-ion batteries<i>via</i>solid electrolyte interphase reconstruction. Inorganic Chemistry Frontiers, 2022, 9, 3165-3175.	6.0	5
4	Reaktionsmechanismen Lithiumâ€reicher Schichtâ€Kathodenmaterialien fÃ¼r Hochenergieâ€Lithiumâ€Ionenbatterien. Angewandte Chemie, 2021, 133, 2236-2248.	2.0	4
5	Reaction Mechanisms of Layered Lithiumâ€Rich Cathode Materials for Highâ€Energy Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 2208-2220.	13.8	170
6	Towards high-energy-density lithium-ion batteries: Strategies for developing high-capacity lithium-rich cathode materials. Energy Storage Materials, 2021, 34, 716-734.	18.0	149
7	The Rise of Prussian Blue Analogs: Challenges and Opportunities for Highâ€Performance Cathode Materials in Potassiumâ€Ion Batteries. Small Structures, 2021, 2, 2000054.	12.0	91
8	Nanoengineering of Advanced Carbon Materials for Sodiumâ€Ion Batteries. Small, 2021, 17, e2007431.	10.0	72
9	Phosphorus and Oxygen Dualâ€Doped Porous Carbon Spheres with Enhanced Reaction Kinetics as Anode Materials for Highâ€Performance Potassiumâ€Ion Hybrid Capacitors. Advanced Functional Materials, 2021, 31, 2102060.	14.9	96
10	Achieving Highâ€Performance 3D K⁺â€Preâ€intercalated Ti₃C₂T_{<i>x</i>} MXene for Potassiumâ€Ion Hybrid Capacitors via Regulating Electrolyte Solvation Structure. Angewandte Chemie, 2021, 133, 26450-26457.	2.0	3
11	Achieving Highâ€Performance 3D K⁺â€Preâ€intercalated Ti₃C₂T_{<i>x</i>} MXene for Potassiumâ€Ion Hybrid Capacitors via Regulating Electrolyte Solvation Structure. Angewandte Chemie - International Edition, 2021, 60, 26246-26253.	13.8	50
12	K₂Ti₂O₅@C Microspheres with Enhanced K⁺ Intercalation Pseudocapacitance Ensuring Fast Potassium Storage and Longâ€Term Cycling Stability. Small, 2020, 16, e1906131.	10.0	49
13	Dendrite-Free Sodium Metal Batteries Enabled by the Release of Contact Strain on Flexible and Sodiophilic Matrix. Nano Letters, 2020, 20, 6112-6119.	9.1	42
14	Recent Advances in Rechargeable Magnesiumâ€Based Batteries for Highâ€Efficiency Energy Storage. Advanced Energy Materials, 2020, 10, 1903591.	19.5	132
15	Construction of Hierarchical K_{1.39}Mn₃O₆ Spheres via AlF₃ Coating for Highâ€Performance Potassiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1803757.	19.5	83
16	Temperatureâ€Dependent Nucleation and Growth of Dendriteâ€Free Lithium Metal Anodes. Angewandte Chemie - International Edition, 2019, 58, 11364-11368.	13.8	182
17	Temperatureâ€Dependent Nucleation and Growth of Dendriteâ€Free Lithium Metal Anodes. Angewandte Chemie, 2019, 131, 11486-11490.	2.0	72
18	CoMoO4 nanosheets assembled 3D-frameworks for high-performance energy storage. Ceramics International, 2018, 44, 2446-2452.	4.8	19

#	Article	IF	Citations
19	Facile synthesis of self-supporting MnCo 2 O 4 hollow structures. Materials Letters, 2018, 214, 127-129.	2.6	2
20	Aegis of Lithium-Rich Cathode Materials via Heterostructured LiAlF₄ Coating for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 33260-33268.	8.0	74
21	Tunable porous carbon spheres for high-performance rechargeable batteries. Journal of Materials Chemistry A, 2018, 6, 12816-12841.	10.3	82
22	Hierarchical 3D NiCo2O4@ZnWO4 core-shell structures as binder-free electrodes for all-solid-state supercapacitors. Applied Surface Science, 2018, 452, 113-122.	6.1	52
23	Facile ordered ZnCo2O4@MnO2 nanosheet arrays for superior-performance supercapacitor electrode. Solid State Sciences, 2018, 84, 51-56.	3.2	13
24	Hierarchical three-dimensional FeCo2O4@MnO2 core-shell nanosheet arrays on nickel foam for high-performance supercapacitor. Electrochimica Acta, 2017, 228, 175-182.	5.2	81
25	Low-cost and high-performance electrode materials based on BiCoO3 microspheres. Ceramics International, 2017, 43, 2956-2961.	4.8	4
26	Electrochemical properties of hollow MnO2 nanostructure: synthesis and application. Journal of Materials Science: Materials in Electronics, 2017, 28, 418-425.	2.2	7
27	{10â€“12} Twins across twin boundaries traced by in situ EBSD. Journal of Alloys and Compounds, 2017, 690, 699-706.	5.5	50
28	Truncated NiCo2S4 cubohexa-octahedral nanostructures for high-performance supercapacitor. Materials Letters, 2017, 189, 21-24.	2.6	13
29	Facile synthesis of three-dimensional NiCo₂O₄ with different morphology for supercapacitors. RSC Advances, 2016, 6, 70077-70084.	3.6	75
30	Facile synthesis of nickel doped walnut-like MnO2 nanoflowers and their application in supercapacitor. Journal of Materials Science: Materials in Electronics, 2016, 27, 6202-6207.	2.2	12
31	Facile hydrothermal synthesis of one-dimensional nanostructured Î±-MnO 2 for supercapacitors. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 41-46.	2.7	14
32	Amaryllis-like NiCo2S4 nanoflowers for high-performance flexible carbon-fiber-based solid-state supercapacitor. Ceramics International, 2016, 42, 11851-11857.	4.8	63
33	NiCo 2 O 4 arrays nanostructures on nickel foam: Morphology control and application for pseudocapacitors. Ceramics International, 2016, 42, 14976-14983.	4.8	40
34	Rational synthesis of Cu-doped porous Î´-MnO2 microsphere for high performance supercapacitor applications. Electrochimica Acta, 2016, 191, 716-723.	5.2	52
35	Cr-doped MnO2 nanostructure: morphology evolution and electrochemical properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 3265-3270.	2.2	20
36	Assembly of bulbous ZnO nanorods to bulbous nanoflowers and their high selectivity towards formaldehyde. Journal of Materials Science: Materials in Electronics, 2016, 27, 4966-4971.	2.2	5

#	Article	IF	Citations
37	One-pot synthesis of novel one-dimensional bismuth oxychloride nanotube. Materials Letters, 2016, 168, 13-16.	2.6	6
38	Hydrothermal synthesis of hierarchical mesoporous NiO nanourchins and their supercapacitor application. Materials Letters, 2016, 162, 67-70.	2.6	44
39	Hydrothermal synthesis of ZnO microcakes assembled by octahedrons and their gas-sensing property. Journal of Materials Science: Materials in Electronics, 2015, 26, 9529-9534.	2.2	2
40	Urchinlike hex-WO3 microspheres: Hydrothermal synthesis and gas-sensing properties. Materials Letters, 2015, 144, 106-109.	2.6	31
41	Hydrothermal synthesis and electrochemical properties of V2O5 nanomaterials with different dimensions. Ceramics International, 2015, 41, 12626-12632.	4.8	83
42	Hydrothermal synthesis of urchin-like MnO2 nanostructures and its electrochemical character for supercapacitor. Applied Surface Science, 2015, 351, 862-868.	6.1	69
43	Controlled synthesis of hierarchical birnessite-type MnO 2 nanoflowers for supercapacitor applications. Applied Surface Science, 2015, 356, 259-265.	6.1	114