

# Chunming Zheng

## List of Publications by Year in descending order

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39  
papers

1,636  
citations

361413  
20  
h-index

302126  
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docs citations

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times ranked

2206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on comprehending and enhancing the initial Coulombic efficiency of anode materials in lithium-ion/sodium-ion batteries. <i>Nano Energy</i> , 2020, 77, 105143.	16.0	282
2	Nitrogen-rich hierarchically porous carbon as a high-rate anode material with ultra-stable cyclability and high capacity for capacitive sodium-ion batteries. <i>Nano Energy</i> , 2019, 56, 828-839.	16.0	237
3	High-rate FeS <sub>2</sub> /CNT neural network nanostructure composite anodes for stable, high-capacity sodium-ion batteries. <i>Nano Energy</i> , 2018, 46, 117-127.	16.0	200
4	Dense ceramics with complex shape fabricated by 3D printing: A review. <i>Journal of Advanced Ceramics</i> , 2021, 10, 195-218.	17.4	113
5	Covalent Coupling-Stabilized Transition-Metal Sulfide/Carbon Nanotube Composites for Lithium/Sodium-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 6735-6746.	14.6	95
6	A Simple One-Pot Strategy for Synthesizing Ultrafine SnS <sub>2</sub> Nanoparticle/Graphene Composites as Anodes for Lithium/Sodium-Ion Batteries. <i>ChemSusChem</i> , 2018, 11, 1549-1557.	6.8	63
7	Enhanced electrochemical performance of SnS nanoparticles/CNTs composite as anode material for sodium-ion battery. <i>Chinese Chemical Letters</i> , 2018, 29, 187-190.	9.0	52
8	Recent progress in rate and cycling performance modifications of vanadium oxides cathode for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 59, 343-363.	12.9	52
9	MnS hollow microspheres combined with carbon nanotubes for enhanced performance sodium-ion battery anode. <i>Chinese Chemical Letters</i> , 2020, 31, 1221-1225.	9.0	49
10	Controllable synthesis of tunable few-layered MoS <sub>2</sub> chemically bonding with in situ conversion nitrogen-doped carbon for ultrafast reversible sodium and potassium storage. <i>Chemical Engineering Journal</i> , 2020, 393, 124703.	12.7	42
11	Highly reversible and fast sodium storage boosted by improved interfacial and surface charge transfer derived from the synergistic effect of heterostructures and pseudocapacitance in SnO <sub>2</sub> -based anodes. <i>Nanoscale</i> , 2018, 10, 2301-2309.	5.6	40
12	Mesoporous Graphitic Carbon-Encapsulated Fe <sub>2</sub> O <sub>3</sub> Nanocomposite as High-Rate Anode Material for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 14786-14793.	3.3	29
13	Perchlorate ion doped polypyrrole coated ZnS sphere composites as a sodium-ion battery anode with superior rate capability enhanced by pseudocapacitance. <i>RSC Advances</i> , 2017, 7, 43636-43641.	3.6	27
14	SnS <sub>2</sub> quantum dots uniformly anchored on dispersed S-doped graphene as high-rate anodes for sodium-ion batteries. <i>Ceramics International</i> , 2020, 46, 14416-14424.	4.8	27
15	Large-scale synthesis of nitrogen-rich hierarchically porous carbon as anode for lithium-ion batteries with high capacity and rate capability. <i>Electrochimica Acta</i> , 2019, 306, 339-349.	5.2	26
16	Ordered mesoporous hematite promoted by magnesium selective leaching as a highly efficient heterogeneous Fenton-like catalyst. <i>RSC Advances</i> , 2015, 5, 40872-40883.	3.6	24
17	Fabrication of porous carbon sphere@SnO <sub>2</sub> @carbon layer coating composite as high performance anode for sodium-ion batteries. <i>Applied Surface Science</i> , 2018, 433, 713-722.	6.1	24
18	Large-scale and template-free synthesis of hierarchically porous MnCo <sub>2</sub> O <sub>4.5</sub> as anode material for lithium-ion batteries with enhanced electrochemical performance. <i>Journal of Materials Science</i> , 2017, 52, 5268-5282.	3.7	23

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19	One-Pot Hydrothermal Synthesis of ZnS Nanospheres Anchored on 3D Conductive MWCNTs Networks as High-Rate and Cold-Resistant Anode Materials for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 1904-1913.	3.4	23
20	ZnSe nanoparticles combined with uniform 3D interconnected MWCNTs conductive network as high-rate and freeze-resistant anode materials for sodium-ion batteries. <i>Applied Surface Science</i> , 2021, 538, 148194.	6.1	23
21	A review of the research progress on the interface between oxide fiber and oxide ceramic matrix. <i>Ceramics International</i> , 2021, 47, 5896-5908.	4.8	20
22	Scaling up of ethanol production from sugar molasses using yeast immobilized with alginate-based MCM-41 mesoporous zeolite composite carrier. <i>Bioresource Technology</i> , 2012, 115, 208-214.	9.6	18
23	Calcination system-induced nanocasting synthesis of uniform $\text{Co}_3\text{O}_4$ nanoparticles with high surface area and enhanced catalytic performance. <i>RSC Advances</i> , 2015, 5, 35524-35534.	3.6	18
24	Nitrogen-Doped graphene coated $\text{FeS}_2$ microsphere composite as high-performance anode materials for sodium-ion batteries enhanced by the chemical and structural synergistic effect. <i>Applied Surface Science</i> , 2020, 505, 144633.	6.1	18
25	Hydrophilic modification of ordered mesoporous carbon supported Fe nanoparticles with enhanced adsorption and heterogeneous Fenton-like oxidation performance. <i>RSC Advances</i> , 2015, 5, 98842-98852.	3.6	16
26	Few-layered $\text{MoS}_2$ with expanded interplanar spacing strongly encapsulated inside compact carbon spheres by S interaction as ultra-stable sodium-ion batteries anode. <i>Journal of Alloys and Compounds</i> , 2021, 858, 157675.	5.5	16
27	A facile synthesis of nitrogen-doped hierarchical porous carbon with hollow sphere structure for high-performance supercapacitors. <i>Journal of Materials Science</i> , 2019, 54, 12747-12757.	3.7	12
28	Sandwich nanostructured $\text{LiMnPO}_4/\text{C}$ as enhanced cathode materials for lithium-ion batteries. <i>Journal of Materials Science</i> , 2017, 52, 3597-3612.	3.7	11
29	Treatment of dye wastewater nanofiltration concentrates containing high anion levels by a pH-sensitive nano-sized $\text{Fe}_3\text{O}_4/\text{silica}$ microgel. <i>New Journal of Chemistry</i> , 2017, 41, 15357-15367.	2.8	8
30	Novel $\text{MoS}_2/\text{C}$ nanosheets as excellent piezocatalyst for degradation of imidacloprid with ultralow dosage. <i>Materials Letters</i> , 2020, 272, 127800.	2.6	8
31	Graphene-supported cobalt nanoparticles used to activate $\text{SiO}_2$ -based anode for lithium-ion batteries. <i>Chinese Chemical Letters</i> , 2023, 34, 107305.	9.0	7
32	Highly Porous $\text{Fe}_2\text{O}_3/\text{KIT-6}$ with Mg Substitution for Heterogeneous Fenton Oxidation of Imidacloprid with Enhanced Catalytic Activity. <i>Chemistry Letters</i> , 2015, 44, 601-603.	1.3	6
33	Efficient, continuous $\text{N-Boc}$ deprotection of amines using solid acid catalysts. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 279-288.	3.7	6
34	Strength degradation of alumina fiber: Irreversible phase transition after high-temperature treatment. <i>Ceramics International</i> , 2021, 47, 24582-24588.	4.8	6
35	Direct ink writing of dense alumina ceramics prepared by rapid sintering. <i>Ceramics International</i> , 2022, 48, 30767-30778.	4.8	5
36	Redox Enhanced Sodium Metal Batteries by Using Graphene Oxide Encapsulated Mesoporous Carbon Sphere Cathode. <i>Advanced Functional Materials</i> , 2021, 31, 2101637.	14.9	4

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37	Carbon-doped surface unsaturated sulfur enriched CoS <sub>2</sub> @rGO aerogel pseudocapacitive anode and biomass-derived porous carbon cathode for advanced lithium-ion capacitors. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 1500-1513.	4.4	3
38	LaPO <sub>4</sub> coating on alumina-based fiber: Strength retention of fiber and improvement of interfacial performances. <i>Ceramics International</i> , 2022, 48, 7836-7849.	4.8	2
39	Enhanced Selective Production of Arenes and Regenerating Rate in Aryl Ether Hydrogenolysis over Mesoporous Nickel in Plug-Flow Reactors. <i>Catalysts</i> , 2019, 9, 904.	3.5	1