

Zhi Chen

List of Publications by Year in descending order

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39
papers

2,086
citations

279798

23
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

2509
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel BP/BiOBr S-scheme nano-heterojunction for enhanced visible-light photocatalytic tetracycline removal and oxygen evolution activity. <i>Journal of Hazardous Materials</i> , 2020, 387, 121690.	12.4	354
2	CN/rGO@BPQDs high-low junctions with stretching spatial charge separation ability for photocatalytic degradation and H ₂ O ₂ production. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118602.	20.2	324
3	Recent Advances in Noncontact External-Field-Assisted Photocatalysis: From Fundamentals to Applications. <i>ACS Catalysis</i> , 2021, 11, 4739-4769.	11.2	173
4	Sandwich-like MoS ₂ @SnO ₂ @C with High Capacity and Stability for Sodium/Potassium Ion Batteries. <i>Small</i> , 2018, 14, e1703818.	10.0	158
5	Preparation, structure and mechanical properties of Sialon ceramics by transition metal-catalyzed nitriding reaction. <i>Rare Metals</i> , 2020, 39, 589-596.	7.1	120
6	Self-supported nickel-doped molybdenum carbide nanoflower clusters on carbon fiber paper for an efficient hydrogen evolution reaction. <i>Nanoscale</i> , 2021, 13, 8264-8274.	5.6	96
7	Single Nozzle Electrospinning Synthesized MoO ₂ @C Core Shell Nanofibers with High Capacity and Long-term Stability for Lithium-ion Storage. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600816.	3.7	73
8	Wrinkled Ni-doped Mo ₂ C coating on carbon fiber paper: An advanced electrocatalyst prepared by molten-salt method for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 319, 293-301.	5.2	60
9	Enhanced conductivity and properties of SnO ₂ -graphene-carbon nanofibers for potassium-ion batteries by graphene modification. <i>Materials Letters</i> , 2018, 219, 19-22.	2.6	59
10	Multi-protection from nanochannels and graphene of SnSb-graphene-carbon composites ensuring high properties for potassium-ion batteries. <i>Solid State Ionics</i> , 2018, 324, 267-275.	2.7	58
11	Hierarchical Co ₃ O ₄ @PPy core-shell composite nanowires for supercapacitors with enhanced electrochemical performance. <i>Materials Research Bulletin</i> , 2017, 96, 463-470.	5.2	38
12	Synthesis of TiN nanostructures by Mg-assisted nitriding TiO ₂ in N ₂ for lithium ion storage. <i>Chemical Engineering Journal</i> , 2018, 336, 12-19.	12.7	37
13	A Phase-separation Route to Synthesize Porous CNTs with Excellent Stability for Na ⁺ Storage. <i>Small</i> , 2017, 13, 1604045.	10.0	34
14	Mo ₂ C embedded in S-doped carbon nanofibers for high-rate performance and long-life time Na-ion batteries. <i>Solid State Ionics</i> , 2018, 323, 151-156.	2.7	32
15	Ni ₃ S ₂ @S-carbon nanotubes synthesized using NiS ₂ as sulfur source and precursor for high performance sodium-ion half/full cells. <i>Science China Materials</i> , 2020, 63, 216-228.	6.3	31
16	The double effects of sulfur-doping on MoO ₂ /C nanofibers with high properties for Na-ion batteries. <i>Applied Surface Science</i> , 2018, 455, 343-348.	6.1	30
17	Sn-interspersed MoS ₂ /C nanosheets with high capacity for Na ⁺ /K ⁺ storage. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 126, 72-77.	4.0	30
18	ZnO-carbon nanofibers for stable, high response, and selective H ₂ S sensors. <i>Nanotechnology</i> , 2018, 29, 275501.	2.6	29

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19	The effect of loading density of nickel-cobalt sulfide arrays on their cyclic stability and rate performance for supercapacitors. <i>Science China Materials</i> , 2016, 59, 629-638.	6.3	28
20	Multifunctional Cr ₂ O ₃ quantum nanodots to improve the lithium-ion storage performance of free-standing carbon nanofiber networks. <i>Electrochimica Acta</i> , 2016, 217, 55-61.	5.2	26
21	In-situ phase transition to form porous h-MoO ₃ @C nanofibers with high stability for Li ⁺ /Na ⁺ storage. <i>Science China Materials</i> , 2017, 60, 755-765.	6.3	25
22	CoSe ₂ /WSe ₂ /WO ₃ hybrid nanowires on carbon cloth for efficient hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2018, 768, 889-895.	5.5	24
23	Enhanced electrochemical properties of SnO ₂ @graphene carbon nanofibers tuned by phosphoric acid for potassium storage. <i>Nanotechnology</i> , 2018, 29, 375702.	2.6	22
24	Graphene-based SiC nanowires with nanosheets: synthesis, growth mechanism and photoluminescence properties. <i>CrystEngComm</i> , 2020, 22, 4074-4078.	2.6	21
25	Design and synthesis of Cr ₂ O ₃ @C@G composites with yolk-shell structure for Li ⁺ storage. <i>Journal of Alloys and Compounds</i> , 2017, 724, 406-412.	5.5	19
26	Oxygen vacancy improves the hydrogen evolution reaction property of WO ₃ nanosheets. <i>Nano Structures Nano Objects</i> , 2018, 15, 114-118.	3.5	19
27	Micro-Nano Carbon Structures with Platelet, Glassy and Tube-Like Morphologies. <i>Nanomaterials</i> , 2019, 9, 1242.	4.1	19
28	Diversity, phylogeny, and adaptation of bryophytes: insights from genomic and transcriptomic data. <i>Journal of Experimental Botany</i> , 2022, 73, 4306-4322.	4.8	16
29	The construction of a sandwich structured Co ₃ O ₄ @C@PPy electrode for improving pseudocapacitive storage. <i>RSC Advances</i> , 2018, 8, 33374-33382.	3.6	15
30	Hydrothermal synthesis of Ni ₃ S ₂ /Ni@N-doped carbon for high-performance alkali metal batteries. <i>Journal of Alloys and Compounds</i> , 2021, 859, 158246.	5.5	13
31	Exfoliated MoS ₂ @C nanosheets as anode for sodium/potassium storage. <i>Ionics</i> , 2020, 26, 1779-1786.	2.4	12
32	Porous functionalized carbon as anode for a long cycling of sodium-ion batteries. <i>Ionics</i> , 2019, 25, 4517-4522.	2.4	10
33	β-Si ₃ N ₄ Microcrystals Prepared by Carbothermal Reduction-Nitridation of Quartz. <i>Materials</i> , 2019, 12, 3622.	2.9	10
34	Hierarchical Fe/Fe ₃ C/C nanofibers as anodes for high capacity and rate in lithium ion batteries. <i>Ionics</i> , 2021, 27, 3663-3669.	2.4	10
35	Energy Storage: A Phase-Separation Route to Synthesize Porous CNTs with Excellent Stability for Na ⁺ Storage (Small 22/2017). <i>Small</i> , 2017, 13, .	10.0	8
36	K ⁺ storage in porous red blood cell-like hollow carbon. <i>Journal of Alloys and Compounds</i> , 2019, 779, 505-510.	5.5	7

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37	A NiO/NiS ₂ nanosheet integrated electrode for high area specific capacity alkaline metal battery. <i>Materials Letters</i> , 2021, 283, 128771.	2.6	5
38	Construction of hierarchical Mn ²⁺ /CoO@Fe(OH) ₃ nanofiber array for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 847, 155560.	5.5	5
39	Highly active SiO ₂ @C nanofiber: high rate and long cycling for lithium ion batteries. <i>Ionics</i> , 2021, 27, 1385-1392.	2.4	3