

Wenbin Fu

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,967
citations

304743

22
h-index

526287

27
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28
all docs

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docs citations

28
times ranked

3282
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of nitrogen concentration on electrical, mechanical, and structural properties of tantalum nitride thin films prepared via DC magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	2.3	33
2	Stability of FeF ₃ -Based Sodium-Ion Batteries in Nonflammable Ionic Liquid Electrolytes at Room and Elevated Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33447-33456.	8.0	5
3	Materials and technologies for multifunctional, flexible or integrated supercapacitors and batteries. <i>Materials Today</i> , 2021, 48, 176-197.	14.2	66
4	Iron Phosphide Confined in Carbon Nanofibers as a Free-Standing Flexible Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34074-34083.	8.0	24
5	An Overview of Heteroatoms-doped Carbon Nanomaterials for Advanced Energy Storage and Conversion Systems. <i>Current Chinese Chemistry</i> , 2021, 1, .	0.4	0
6	Bilayer carbon nanowires/nickel cobalt hydroxides nanostructures for high-performance supercapacitors. <i>Materials Letters</i> , 2020, 263, 127217.	2.6	49
7	Anatase TiO ₂ Confined in Carbon Nanopores for High-Energy Li-Ion Hybrid Supercapacitors Operating at High Rates and Subzero Temperatures. <i>Advanced Energy Materials</i> , 2020, 10, 1902993.	19.5	39
8	A nanoconfined iron (iii) fluoride cathode in a NaDFOB electrolyte: towards high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4091-4098.	10.3	28
9	Self-assembled microspheres composed of porous ZnO/CoO nanosheets for aqueous hybrid supercapacitors. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 505501.	2.8	15
10	Perylenetetracarboxylic diimide as a high-rate anode for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24454-24461.	10.3	55
11	Cobalt phosphide embedded in a graphene nanosheet network as a high-performance anode for Li-ion batteries. <i>Dalton Transactions</i> , 2019, 48, 7778-7785.	3.3	22
12	Hierarchical Fabric Decorated with Carbon Nanowire/Metal Oxide Nanocomposites for 1.6 V Wearable Aqueous Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1703454.	19.5	135
13	Lithium Titanate Confined in Nanoporous Copper for High-Rate Battery Applications. <i>MRS Advances</i> , 2018, 3, 1249-1253.	0.9	1
14	Iron Phosphate Coated Flexible Carbon Nanotube Fabric as a Multifunctional Cathode for Na-Ion Batteries. <i>Small</i> , 2018, 14, e1703425.	10.0	33
15	Iron Fluoride-Carbon Nanocomposite Nanofibers as Free-Standing Cathodes for High-Energy Lithium Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1801711.	14.9	97
16	Honeycomb-like Ni ₃ S ₂ nanosheet arrays for high-performance hybrid supercapacitors. <i>Electrochimica Acta</i> , 2018, 283, 737-743.	5.2	47
17	Lithium-Iron (III) Fluoride Battery with Double Surface Protection. <i>Advanced Energy Materials</i> , 2018, 8, 1800721.	19.5	67
18	In situ synthesis of CoS _x @carbon core-shell nanospheres decorated in carbon nanofibers for capacitor electrodes with superior rate and cycling performances. <i>Carbon</i> , 2017, 114, 187-197.	10.3	120

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19	Vertically-aligned Co ₃ O ₄ nanowires interconnected with Co(OH) ₂ nanosheets as supercapacitor electrode. <i>Energy</i> , 2017, 139, 1153-1158.	8.8	59
20	Nanostructured CuS networks composed of interconnected nanoparticles for asymmetric supercapacitors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24471-24476.	2.8	82
21	Enhanced charge separation and transfer through Fe ₂ O ₃ /ITO nanowire arrays wrapped with reduced graphene oxide for water-splitting. <i>Nano Energy</i> , 2016, 30, 892-899.	16.0	71
22	Growth of zinc cobaltate nanoparticles and nanorods on reduced graphene oxide porous networks toward high-performance supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2016, 668, 1-7.	5.5	24
23	Construction of hierarchical ZnCo ₂ O ₄ @Ni _x Co _{2x} (OH) _{6x} core/shell nanowire arrays for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 173-182.	10.3	231
24	Toward efficient photoelectrochemical water-splitting by using screw-like SnO ₂ nanostructures as photoanode after being decorated with CdS quantum dots. <i>Nano Energy</i> , 2016, 19, 318-327.	16.0	139
25	Facile hydrothermal synthesis of flowerlike ZnCo ₂ O ₄ microspheres as binder-free electrodes for supercapacitors. <i>Materials Letters</i> , 2015, 149, 1-4.	2.6	79
26	Cobalt sulfide nanosheets coated on NiCo ₂ S ₄ nanotube arrays as electrode materials for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10492-10497.	10.3	161
27	Highly Flexible Freestanding Porous Carbon Nanofibers for Electrodes Materials of High-Performance All-Carbon Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23515-23520.	8.0	240
28	Fabrication of porous nanosheet-based Co ₃ O ₄ hollow nanocubes for electrochemical capacitors with high rate capability. <i>Electrochimica Acta</i> , 2015, 178, 555-563.	5.2	45