Jing Shi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3022366/publications.pdf

Version: 2024-02-01

50 papers	2,543 citations	201674 27 h-index	223800 46 g-index
50 all docs	50 docs citations	50 times ranked	3041 citing authors

#	Article	IF	Citations
1	All-cellulose-based quasi-solid-state supercapacitor with nitrogen and boron dual-doped carbon electrodes exhibiting high energy density and excellent cyclic stability. Green Energy and Environment, 2023, 8, 1091-1101.	8.7	30
2	Microstructural evolution and growth kinetics of interfacial reaction layers in SUS430/Ti3SiC2 diffusion bonded joints using a Ni interlayer. Ceramics International, 2022, 48, 4484-4496.	4.8	12
3	PPy coated nanoflower like CuCo₂O₄ based on in situ growth of nanoporous copper for high-performance supercapacitor electrodes. Nanotechnology, 2022, 33, 155606.	2.6	7
4	One-pot synthesis of nanosized MnO incorporated into N-doped carbon nanosheets for high performance lithium storage. Journal of Alloys and Compounds, 2022, 902, 163827.	5.5	14
5	Oxygen Engineering Enables N-Doped Porous Carbon Nanofibers as Oxygen Reduction/Evolution Reaction Electrocatalysts for Flexible Zincâ€“Air Batteries. ACS Catalysis, 2022, 12, 4002-4015.	11.2	68
6	Large-scale doping-engineering enables boron/nitrogen dual-doped porous carbon for high-performance zinc ion capacitors. Rare Metals, 2022, 41, 2505-2516.	7.1	35
7	Coupling coreâ€“shell Bi@Void@TiO₂ heterostructures into carbon nanofibers for achieving fast potassium storage and long cycling stability. Journal of Materials Chemistry A, 2022, 10, 12908-12920.	10.3	12
8	Spatially Confined â€œEdgeâ€toâ€Edgeâ€•Strategy for Achieving Compact Na⁺/K⁺ Storage: Constructing Heteroâ€Ni/Ni₃S₂ in Densified Carbons. Advanced Functional Materials, 2022, 32, .	14.9	23
9	Interconnected honeycomb-like carbon with rich nitrogen/sulfur doping for stable potassium ion storage. Electrochimica Acta, 2022, 424, 140596.	5.2	6
10	Improving the electron transfer in the oxygen reduction reaction by N/S co-doping for high-performance of Znâ€“air batteries. Sustainable Energy and Fuels, 2022, 6, 3383-3393.	4.9	4
11	Sulfur and nitrogen codoped cyanoethyl celluloseâ€derived carbon with superior gravimetric and volumetric capacity for potassium ion storage. , 2022, 4, 986-1001.		36
12	Metal Organic Frameworks Enabled Multifunctional Poly(ethylene oxide)-Based Solid Polymer Electrolytes with High Lithium-Ion Conductivity and Excellent Stability. ACS Applied Energy Materials, 2022, 5, 8973-8981.	5.1	12
13	High potassium ion storage capacity with long cycling stability of sustainable oxygen-rich carbon nanosheets. Nanoscale, 2021, 13, 2389-2398.	5.6	30
14	A new strategy for achieving high K⁺ storage capacity with fast kinetics: realizing covalent sulfur-rich carbon by phosphorous doping. Nanoscale, 2021, 13, 4911-4920.	5.6	17
15	Two-dimensional SnO₂ anchored biomass-derived carbon nanosheet anode for high-performance Li-ion capacitors. RSC Advances, 2021, 11, 10018-10026.	3.6	20
16	N,P-Doped Carbon-Based Freestanding Electrodes Enabled by Cellulose Nanofibers for Superior Asymmetric Supercapacitors. ACS Applied Energy Materials, 2021, 4, 2327-2338.	5.1	26
17	Asymmetric Trilayer Allâ€Polymer Dielectric Composites with Simultaneous High Efficiency and High Energy Density: A Novel Design Targeting Advanced Energy Storage Capacitors. Advanced Functional Materials, 2021, 31, 2100280.	14.9	179
18	High-rate sodium storage performance enabled using hollow Co3O4 nanoparticles anchored in porous carbon nanofibers anode. Journal of Alloys and Compounds, 2021, 868, 159262.	5.5	11

#	Article	IF	Citations
19	Facile preparation of ultralight porous carbon hollow nanoboxes for electromagnetic wave absorption. Ceramics International, 2021, 47, 28014-28020.	4.8	40
20	Sulfur-Rich Graphene Nanoboxes with Ultra-High Potassiation Capacity at Fast Charge: Storage Mechanisms and Device Performance. ACS Nano, 2021, 15, 1652-1665.	14.6	132
21	Sustainable nitrogen-doped carbon electrodes for use in high-performance supercapacitors and Li-ion capacitors. Sustainable Energy and Fuels, 2020, 4, 1789-1800.	4.9	38
22	Electrospun hetero-CoP/FeP embedded in porous carbon nanofibers: enhanced Na⁺ kinetics and specific capacity. Nanoscale, 2020, 12, 24477-24487.	5.6	36
23	Carbon coated 3D Nb₂O₅ hollow nanospheres with superior performance as an anode for high energy Li-ion capacitors. Sustainable Energy and Fuels, 2020, 4, 4868-4877.	4.9	12
24	Sulfur-nitrogen rich carbon as stable high capacity potassium ion battery anode: Performance and storage mechanisms. Energy Storage Materials, 2020, 27, 212-225.	18.0	235
25	Metal-organic framework derived N-doped CNT@ porous carbon for high-performance sodium- and potassium-ion storage. Electrochimica Acta, 2019, 319, 541-551.	5.2	63
26	Nitrogen and Sulfur Co-doped Mesoporous Carbon for Sodium Ion Batteries. ACS Applied Nano Materials, 2019, 2, 5643-5654.	5.0	33
27	Nitrogen functionalized carbon nanocages optimized as high-performance anodes for sodium ion storage. Electrochimica Acta, 2019, 304, 192-201.	5.2	19
28	T-Nb₂O₅ embedded carbon nanosheets with superior reversibility and rate capability as an anode for high energy Li-ion capacitors. Sustainable Energy and Fuels, 2019, 3, 1055-1065.	4.9	23
29	Polymer salt-derived carbon-based nanomaterials for high-performance hybrid Li-ion capacitors. Journal of Materials Science, 2019, 54, 7811-7822.	3.7	6
30	Dual-doped hierarchical porous carbon derived from biomass for advanced supercapacitors and lithium ion batteries. RSC Advances, 2019, 9, 32382-32394.	3.6	32
31	Lithium Ion Capacitor with Identical Carbon Electrodes Yields 6 s Charging and 100â€¯000 Cycles Stability with 1% Capacity Fade. ACS Sustainable Chemistry and Engineering, 2019, 7, 2867-2877.	6.7	38
32	High-energy sodium-ion capacitor assembled by hierarchical porous carbon electrodes derived from Enteromorpha. Journal of Materials Science, 2018, 53, 6763-6773.	3.7	31
33	Nitrogen-doped porous carbons derived from a natural polysaccharide for multiple energy storage devices. Sustainable Energy and Fuels, 2018, 2, 381-391.	4.9	43
34	Influence of N2/Ar Flow Ratio on Microstructure and Properties of the AlCrSiN Coatings Deposited by High-Power Impulse Magnetron Sputtering. Coatings, 2018, 8, 3.	2.6	24
35	Boosting pseudocapacitive charge storage in in situ functionalized carbons with a high surface area for high-energy asymmetric supercapacitors. Sustainable Energy and Fuels, 2018, 2, 2314-2324.	4.9	34
36	Balanced mesoporous nickle cobaltite-graphene and doped carbon electrodes for high-performance asymmetric supercapacitor. Chemical Engineering Journal, 2017, 326, 401-410.	12.7	34

#	Article	IF	Citations
37	Extremely high-rate aqueous supercapacitor fabricated using doped carbon nanoflakes with large surface area and mesopores at near-commercial mass loading. Nano Research, 2017, 10, 1767-1783.	10.4	103
38	Sorghum core-derived carbon sheets as electrodes for a lithium-ion capacitor. RSC Advances, 2017, 7, 17178-17183.	3.6	19
39	Self-doped carbon architectures with heteroatoms containing nitrogen, oxygen and sulfur as high-performance anodes for lithium- and sodium-ion batteries. Electrochimica Acta, 2017, 251, 396-406.	5.2	104
40	Two-dimensional biomass-derived carbon nanosheets and MnO/carbon electrodes for high-performance Li-ion capacitors. Journal of Materials Chemistry A, 2017, 5, 15243-15252.	10.3	132
41	Tuning the morphology and structure of nanocarbons with activating agents for ultrafast ionic liquid-based supercapacitors. Journal of Power Sources, 2017, 361, 182-194.	7.8	39
42	Microstructure and electrochemical behavior of cerium conversion coating modified with silane agent on magnesium substrates. Applied Surface Science, 2016, 376, 161-171.	6.1	88
43	Ni/Al₂O₃/epoxy high-k composites with ultralow nickel content towards high-performance dielectric applications. RSC Advances, 2016, 6, 43429-43435.	3.6	13
44	Effect of surface modification on high-surface-area carbon nanosheets anode in sodium ion battery. Microporous and Mesoporous Materials, 2016, 227, 1-8.	4.4	39
45	N, O-codoped hierarchical porous carbons derived from algae for high-capacity supercapacitors and battery anodes. Journal of Materials Chemistry A, 2016, 4, 5973-5983.	10.3	256
46	Biomass derived hierarchical porous carbons as high-performance anodes for sodium-ion batteries. Electrochimica Acta, 2016, 188, 103-110.	5.2	207
47	Cobalt Oxide-Carbon Nanosheet Nanoarchitecture as an Anode for High-Performance Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2015, 7, 2882-2890.	8.0	101
48	Nitrate Salt Assisted Fabrication of Highly N-Doped Carbons for High-Performance Sodium Ion Capacitors. ACS Applied Energy Materials, 0, , .	5.1	9
49	High-Performance Sodium-Ion Capacitor Constructed by Well-Matched Dual-Carbon Electrodes from a Single Biomass. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	14
50	Evolution of â€œadsorptionâ€“insertionâ€•K+ storage behaviors in flower-like carbons with tunable heteroatom doping and graphitic structures. Sustainable Energy and Fuels, 0, , .	4.9	4