

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	N, O-codoped hierarchical porous carbons derived from algae for high-capacity supercapacitors and battery anodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5973-5983.	10.3	256
2	Sulfur-nitrogen rich carbon as stable high capacity potassium ion battery anode: Performance and storage mechanisms. <i>Energy Storage Materials</i> , 2020, 27, 212-225.	18.0	235
3	Biomass derived hierarchical porous carbons as high-performance anodes for sodium-ion batteries. <i>Electrochimica Acta</i> , 2016, 188, 103-110.	5.2	207
4	Asymmetric Trilayer All-Polymer Dielectric Composites with Simultaneous High Efficiency and High Energy Density: A Novel Design Targeting Advanced Energy Storage Capacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2100280.	14.9	179
5	Two-dimensional biomass-derived carbon nanosheets and MnO/carbon electrodes for high-performance Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15243-15252.	10.3	132
6	Sulfur-Rich Graphene Nanoboxes with Ultra-High Potassiation Capacity at Fast Charge: Storage Mechanisms and Device Performance. <i>ACS Nano</i> , 2021, 15, 1652-1665.	14.6	132
7	Self-doped carbon architectures with heteroatoms containing nitrogen, oxygen and sulfur as high-performance anodes for lithium- and sodium-ion batteries. <i>Electrochimica Acta</i> , 2017, 251, 396-406.	5.2	104
8	Extremely high-rate aqueous supercapacitor fabricated using doped carbon nanoflakes with large surface area and mesopores at near-commercial mass loading. <i>Nano Research</i> , 2017, 10, 1767-1783.	10.4	103
9	Cobalt Oxide-Carbon Nanosheet Nanoarchitecture as an Anode for High-Performance Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2882-2890.	8.0	101
10	Microstructure and electrochemical behavior of cerium conversion coating modified with silane agent on magnesium substrates. <i>Applied Surface Science</i> , 2016, 376, 161-171.	6.1	88
11	Oxygen Engineering Enables N-Doped Porous Carbon Nanofibers as Oxygen Reduction/Evolution Reaction Electrocatalysts for Flexible Zinc-Air Batteries. <i>ACS Catalysis</i> , 2022, 12, 4002-4015.	11.2	68
12	Metal-organic framework derived N-doped CNT@ porous carbon for high-performance sodium- and potassium-ion storage. <i>Electrochimica Acta</i> , 2019, 319, 541-551.	5.2	63
13	Nitrogen-doped porous carbons derived from a natural polysaccharide for multiple energy storage devices. <i>Sustainable Energy and Fuels</i> , 2018, 2, 381-391.	4.9	43
14	Facile preparation of ultralight porous carbon hollow nanoboxes for electromagnetic wave absorption. <i>Ceramics International</i> , 2021, 47, 28014-28020.	4.8	40
15	Effect of surface modification on high-surface-area carbon nanosheets anode in sodium ion battery. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 1-8.	4.4	39
16	Tuning the morphology and structure of nanocarbons with activating agents for ultrafast ionic liquid-based supercapacitors. <i>Journal of Power Sources</i> , 2017, 361, 182-194.	7.8	39
17	Lithium Ion Capacitor with Identical Carbon Electrodes Yields 6 s Charging and 100,000 Cycles Stability with 1% Capacity Fade. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2867-2877.	6.7	38
18	Sustainable nitrogen-doped carbon electrodes for use in high-performance supercapacitors and Li-ion capacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1789-1800.	4.9	38

#	ARTICLE	IF	CITATIONS
19	Electrospun hetero-CoP/FeP embedded in porous carbon nanofibers: enhanced Na ⁺ kinetics and specific capacity. <i>Nanoscale</i> , 2020, 12, 24477-24487.	5.6	36
20	Sulfur and nitrogen codoped cyanoethyl cellulose-derived carbon with superior gravimetric and volumetric capacity for potassium ion storage. , 2022, 4, 986-1001.		36
21	Large-scale doping-engineering enables boron/nitrogen dual-doped porous carbon for high-performance zinc ion capacitors. <i>Rare Metals</i> , 2022, 41, 2505-2516.	7.1	35
22	Balanced mesoporous nickle cobaltite-graphene and doped carbon electrodes for high-performance asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2017, 326, 401-410.	12.7	34
23	Boosting pseudocapacitive charge storage in <i>in situ</i> functionalized carbons with a high surface area for high-energy asymmetric supercapacitors. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2314-2324.	4.9	34
24	Nitrogen and Sulfur Co-doped Mesoporous Carbon for Sodium Ion Batteries. <i>ACS Applied Nano Materials</i> , 2019, 2, 5643-5654.	5.0	33
25	Dual-doped hierarchical porous carbon derived from biomass for advanced supercapacitors and lithium ion batteries. <i>RSC Advances</i> , 2019, 9, 32382-32394.	3.6	32
26	High-energy sodium-ion capacitor assembled by hierarchical porous carbon electrodes derived from <i>Enteromorpha</i> . <i>Journal of Materials Science</i> , 2018, 53, 6763-6773.	3.7	31
27	High potassium ion storage capacity with long cycling stability of sustainable oxygen-rich carbon nanosheets. <i>Nanoscale</i> , 2021, 13, 2389-2398.	5.6	30
28	All-cellulose-based quasi-solid-state supercapacitor with nitrogen and boron dual-doped carbon electrodes exhibiting high energy density and excellent cyclic stability. <i>Green Energy and Environment</i> , 2023, 8, 1091-1101.	8.7	30
29	N,P-Doped Carbon-Based Freestanding Electrodes Enabled by Cellulose Nanofibers for Superior Asymmetric Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 2327-2338.	5.1	26
30	Influence of N ₂ /Ar Flow Ratio on Microstructure and Properties of the AlCrSiN Coatings Deposited by High-Power Impulse Magnetron Sputtering. <i>Coatings</i> , 2018, 8, 3.	2.6	24
31	T-Nb ₂ O ₅ embedded carbon nanosheets with superior reversibility and rate capability as an anode for high energy Li-ion capacitors. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1055-1065.	4.9	23
32	Spatially Confined "Edge-to-Edge" Strategy for Achieving Compact Na ⁺ /K ⁺ Storage: Constructing Hetero-Ni ₃ S ₂ in Densified Carbons. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	23
33	Two-dimensional SnO ₂ anchored biomass-derived carbon nanosheet anode for high-performance Li-ion capacitors. <i>RSC Advances</i> , 2021, 11, 10018-10026.	3.6	20
34	Sorghum core-derived carbon sheets as electrodes for a lithium-ion capacitor. <i>RSC Advances</i> , 2017, 7, 17178-17183.	3.6	19
35	Nitrogen functionalized carbon nanocages optimized as high-performance anodes for sodium ion storage. <i>Electrochimica Acta</i> , 2019, 304, 192-201.	5.2	19
36	A new strategy for achieving high K ⁺ storage capacity with fast kinetics: realizing covalent sulfur-rich carbon by phosphorous doping. <i>Nanoscale</i> , 2021, 13, 4911-4920.	5.6	17

#	ARTICLE	IF	CITATIONS
37	High-Performance Sodium-Ion Capacitor Constructed by Well-Matched Dual-Carbon Electrodes from a Single Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	14
38	One-pot synthesis of nanosized MnO incorporated into N-doped carbon nanosheets for high performance lithium storage. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163827.	5.5	14
39	Ni/Al ₂ O ₃ /epoxy high-k composites with ultralow nickel content towards high-performance dielectric applications. <i>RSC Advances</i> , 2016, 6, 43429-43435.	3.6	13
40	Carbon coated 3D Nb ₂ O ₅ hollow nanospheres with superior performance as an anode for high energy Li-ion capacitors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4868-4877.	4.9	12
41	Microstructural evolution and growth kinetics of interfacial reaction layers in SUS430/Ti3SiC2 diffusion bonded joints using a Ni interlayer. <i>Ceramics International</i> , 2022, 48, 4484-4496.	4.8	12
42	Coupling core-shell Bi@Void@TiO ₂ heterostructures into carbon nanofibers for achieving fast potassium storage and long cycling stability. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12908-12920.	10.3	12
43	Metal Organic Frameworks Enabled Multifunctional Poly(ethylene oxide)-Based Solid Polymer Electrolytes with High Lithium-Ion Conductivity and Excellent Stability. <i>ACS Applied Energy Materials</i> , 2022, 5, 8973-8981.	5.1	12
44	High-rate sodium storage performance enabled using hollow Co ₃ O ₄ nanoparticles anchored in porous carbon nanofibers anode. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159262.	5.5	11
45	Nitrate Salt Assisted Fabrication of Highly N-Doped Carbons for High-Performance Sodium Ion Capacitors. <i>ACS Applied Energy Materials</i> , 0, , .	5.1	9
46	PPy coated nanoflower like CuCo ₂ O ₄ based on in situ growth of nanoporous copper for high-performance supercapacitor electrodes. <i>Nanotechnology</i> , 2022, 33, 155606.	2.6	7
47	Polymer salt-derived carbon-based nanomaterials for high-performance hybrid Li-ion capacitors. <i>Journal of Materials Science</i> , 2019, 54, 7811-7822.	3.7	6
48	Interconnected honeycomb-like carbon with rich nitrogen/sulfur doping for stable potassium ion storage. <i>Electrochimica Acta</i> , 2022, 424, 140596.	5.2	6
49	Evolution of "adsorption" insertion K ⁺ storage behaviors in flower-like carbons with tunable heteroatom doping and graphitic structures. <i>Sustainable Energy and Fuels</i> , 0, , .	4.9	4
50	Improving the electron transfer in the oxygen reduction reaction by N/S co-doping for high-performance of Zn-air batteries. <i>Sustainable Energy and Fuels</i> , 2022, 6, 3383-3393.	4.9	4