Huan-Lei Wang

List of Publications by Year
in descending order

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144 papers	13,480 citations	31902 53 h-index	22102 113 g-index
145 all docs	145 docs citations	145 times ranked	13144 citing authors

#	Article	IF	Citations
1	Mesoporous nitrogen-rich carbons derived from protein for ultra-high capacity battery anodes and supercapacitors. Energy and Environmental Science, 2013, 6, 871.	15.6	983
2	Interconnected Carbon Nanosheets Derived from Hemp for Ultrafast Supercapacitors with High Energy. ACS Nano, 2013, 7, 5131-5141.	7.3	869
3	Carbon Nanosheet Frameworks Derived from Peat Moss as High Performance Sodium Ion Battery Anodes. ACS Nano, 2013, 7, 11004-11015.	7.3	813
4	Peanut shell hybrid sodium ion capacitor with extreme energyâ€“power rivals lithium ion capacitors. Energy and Environmental Science, 2015, 8, 941-955.	15.6	740
5	Carbonized Chicken Eggshell Membranes with 3D Architectures as Highâ€Performance Electrode Materials for Supercapacitors. Advanced Energy Materials, 2012, 2, 431-437.	10.2	573
6	High Hydrogen Storage Capacity of Porous Carbons Prepared by Using Activated Carbon. Journal of the American Chemical Society, 2009, 131, 7016-7022.	6.6	505
7	Facile Approach to Prepare Nickel Cobaltite Nanowire Materials for Supercapacitors. Small, 2011, 7, 2454-2459.	5.2	426
8	Colossal pseudocapacitance in a high functionalityâ€“high surface area carbon anode doubles the energy of an asymmetric supercapacitor. Energy and Environmental Science, 2014, 7, 1708-1718.	15.6	381
9	Graphene-nickel cobaltite nanocomposite asymmetrical supercapacitor with commercial level mass loading. Nano Research, 2012, 5, 605-617.	5.8	356
10	Nanocrystalline anatase TiO2: a new anode material for rechargeable sodium ion batteries. Chemical Communications, 2013, 49, 8973.	2.2	348
11	Porous carbons prepared by using metalâ€“organic framework as the precursor for supercapacitors. Carbon, 2010, 48, 3599-3606.	5.4	332
12	Hybrid Device Employing Three-Dimensional Arrays of MnO in Carbon Nanosheets Bridges Batteryâ€“Supercapacitor Divide. Nano Letters, 2014, 14, 1987-1994.	4.5	276
13	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.	5.2	256
14	Sulfur-nitrogen rich carbon as stable high capacity potassium ion battery anode: Performance and storage mechanisms. Energy Storage Materials, 2020, 27, 212-225.	9.5	235
15	Biomass derived hierarchical porous carbons as high-performance anodes for sodium-ion batteries. Electrochimica Acta, 2016, 188, 103-110.	2.6	207
16	Rich sulfur doped porous carbon materials derived from ginkgo leaves for multiple electrochemical energy storage devices. Journal of Materials Chemistry A, 2017, 5, 2204-2214.	5.2	183
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.	7.8	179
18	Excellent energyâ€“power characteristics from a hybrid sodium ion capacitor based on identical carbon nanosheets in both electrodes. Journal of Materials Chemistry A, 2016, 4, 5149-5158.	5.2	176

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19	Electrochemical Supercapacitor Electrodes from Sponge-like Graphene Nanoarchitectures with Ultrahigh Power Density. Journal of Physical Chemistry Letters, 2012, 3, 2928-2933.	2.1	173
20	Selfâ€Recovering Tough Gel Electrolyte with Adjustable Supercapacitor Performance. Advanced Materials, 2014, 26, 4370-4375.	11.1	172
21	Ultrahigh discharge efficiency and improved energy density in rationally designed bilayer polyetherimideâ€“BaTiO₃/P(VDF-HFP) composites. Journal of Materials Chemistry A, 2020, 8, 5750-5757.	5.2	170
22	Supercapacitors based on carbons with tuned porosity derived from paper pulp mill sludge biowaste. Carbon, 2013, 57, 317-328.	5.4	155
23	Bioinspired Mineralization under Freezing Conditions: An Approach to Fabricate Porous Carbons with Complicated Architecture and Superior K⁺ Storage Performance. ACS Nano, 2019, 13, 11582-11592.	7.3	146
24	Controlled Design of Wellâ€Dispersed Ultrathin MoS₂ Nanosheets inside Hollow Carbon Skeleton: Toward Fast Potassium Storage by Constructing Spacious â€œHousesâ€• for K Ions. Advanced Functional Materials, 2020, 30, 1908755.	7.8	138
25	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.	5.2	132
26	Sulfur-Rich Graphene Nanoboxes with Ultra-High Potassiation Capacity at Fast Charge: Storage Mechanisms and Device Performance. ACS Nano, 2021, 15, 1652-1665.	7.3	132
27	High rate SnO2â€“Graphene Dual Aerogel anodes and their kinetics of lithiation and sodiation. Nano Energy, 2015, 15, 369-378.	8.2	129
28	Asymmetric capacitor based on superior porous Niâ€“Znâ€“Co oxide/hydroxide and carbon electrodes. Journal of Power Sources, 2010, 195, 3017-3024.	4.0	123
29	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.	2.6	104
30	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.	5.8	103
31	Cobalt Oxide-Carbon Nanosheet Nanoarchitecture as an Anode for High-Performance Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2015, 7, 2882-2890.	4.0	101
32	Sulfur Refines MoO₂ Distribution Enabling Improved Lithium Ion Battery Performance. Journal of Physical Chemistry C, 2014, 118, 18387-18396.	1.5	100
33	Sodiation vs. lithiation phase transformations in a high rate â€“ high stability SnO₂ in carbon nanocomposite. Journal of Materials Chemistry A, 2015, 3, 7100-7111.	5.2	100
34	Liquidâ€State Templates for Constructing B, N, Coâ€Doping Porous Carbons with a Boosting of Potassiumâ€Ion Storage Performance. Advanced Energy Materials, 2021, 11, 2003215.	10.2	99
35	Achieving excellent dielectric performance in polymer composites with ultralow filler loadings via constructing hollow-structured filler frameworks. Composites Part A: Applied Science and Manufacturing, 2020, 131, 105814.	3.8	92
36	Tough BMIMCl-based ionogels exhibiting excellent and adjustable performance in high-temperature supercapacitors. Journal of Materials Chemistry A, 2014, 2, 11569.	5.2	91

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37	Layer-structured BaTiO₃/P(VDFâ€“HFP) composites with concurrently improved dielectric permittivity and breakdown strength toward capacitive energy-storage applications. Journal of Materials Chemistry C, 2020, 8, 10257-10265.	2.7	91
38	Achieving Concurrent High Energy Density and Efficiency in All-Polymer Layered Paraelectric/Ferroelectric Composites via Introducing a Moderate Layer. ACS Applied Materials & Interfaces, 2021, 13, 27522-27532.	4.0	87
39	Preparation of porous doped carbons and the high performance in electrochemical capacitors. Microporous and Mesoporous Materials, 2010, 131, 89-96.	2.2	86
40	Salt assisted fabrication of lignin-derived Fe, N, P, S codoped porous carbon as trifunctional catalyst for Zn-air batteries and water-splitting devices. Chemical Engineering Journal, 2021, 421, 129704.	6.6	86
41	High performance of nanoporous carbon in cryogenic hydrogen storage and electrochemical capacitance. Carbon, 2009, 47, 2259-2268.	5.4	81
42	Tailoring Biomassâ€Derived Carbon Nanoarchitectures for Highâ€Performance Supercapacitors. ChemElectroChem, 2014, 1, 332-337.	1.7	80
43	Identifying Heteroatomic and Defective Sites in Carbon with Dual-Ion Adsorption Capability for High Energy and Power Zinc Ion Capacitor. Nano-Micro Letters, 2021, 13, 59.	14.4	78
44	Influence of textural parameters on the catalytic behavior for CO oxidation over ordered mesoporous Co3O4. Applied Catalysis B: Environmental, 2010, 97, 284-291.	10.8	75
45	In situ Grown Ni phosphate@Ni₁₂P₅ Nanorod Arrays as a Unique Coreâ€“Shell Architecture: Competitive Bifunctional Electrocatalysts for Urea Electrolysis at Large Current Densities. ACS Sustainable Chemistry and Engineering, 2020, 8, 7463-7471.	3.2	75
46	All-carbon lithium capacitor based on salt crystal-templated, N-doped porous carbon electrodes with superior energy storage. Journal of Materials Chemistry A, 2018, 6, 18276-18285.	5.2	72
47	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.	5.5	68
48	Rigid-Flexible Coupling Carbon Skeleton and Potassium-Carbonate-Dominated Solid Electrolyte Interface Achieving Superior Potassium-Ion Storage. ACS Nano, 2020, 14, 4938-4949.	7.3	67
49	Enabling the full exposure of Fe2P@NixP heterostructures in tree-branch-like nanoarrays for promoted urea electrolysis at high current densities. Chemical Engineering Journal, 2021, 417, 128067.	6.6	66
50	Modulation of the crystalline/amorphous interface engineering on Ni-P-O-based catalysts for boosting urea electrolysis at large current densities. Chemical Engineering Journal, 2021, 425, 130514.	6.6	65
51	Metal-organic framework derived N-doped CNT@ porous carbon for high-performance sodium- and potassium-ion storage. Electrochimica Acta, 2019, 319, 541-551.	2.6	63
52	High energy supercapacitors based on interconnected porous carbon nanosheets with ionic liquid electrolyte. Microporous and Mesoporous Materials, 2017, 241, 202-209.	2.2	62
53	Marine-Biomass-Derived Porous Carbon Sheets with a Tunable N-Doping Content for Superior Sodium-Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 38376-38386.	4.0	61
54	Waterâ€Soluble Salt Templateâ€Assisted Anchor of Hollow FeS₂ Nanoparticle Inside 3D Carbon Skeleton to Achieve Fast Potassiumâ€Ion Storage. Advanced Energy Materials, 2021, 11, 2101343.	10.2	56

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55	Significantly enhanced high permittivity and negative permittivity in Ag/Al2O3/3D-BaTiO3/epoxy metacomposites with unique hierarchical heterogeneous microstructures. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106559.	3.8	54
56	Engineering coreâ€“shell Co9S8/Co nanoparticles on reduced graphene oxide: Efficient bifunctional Mottâ€“Schottky electrocatalysts in neutral rechargeable Znâ€“Air batteries. Journal of Energy Chemistry, 2022, 68, 113-123.	7.1	51
57	Bilayer carbon nanowires/nickel cobalt hydroxides nanostructures for high-performance supercapacitors. Materials Letters, 2020, 263, 127217.	1.3	49
58	Controllable Ni/NiO interface engineering on N-doped carbon spheres for boosted alkaline water-to-hydrogen conversion by urea electrolysis. Nano Research, 2022, 15, 7124-7133.	5.8	49
59	Synthesis, characterization and energy-related applications of carbide-derived carbons obtained by the chlorination of boron carbide. Carbon, 2009, 47, 820-828.	5.4	48
60	Bifunctional electrocatalyst with CoN3 active sties dispersed on N-doped graphitic carbon nanosheets for ultrastable Zn-air batteries. Applied Catalysis B: Environmental, 2022, 316, 121674.	10.8	48
61	Biotemplated MnO/C microtubes from spirogyra with improved electrochemical performance for lithium-ion batterys. Electrochimica Acta, 2016, 188, 210-217.	2.6	47
62	Hierarchical porous carbon obtained using the template of NaOH-treated zeolite Î² and its high performance as supercapacitor. Microporous and Mesoporous Materials, 2010, 133, 106-114.	2.2	43
63	Nitrogen-doped porous carbons derived from a natural polysaccharide for multiple energy storage devices. Sustainable Energy and Fuels, 2018, 2, 381-391.	2.5	43
64	Mesoporous flower-like Co 3 O 4 /C nanosheet composites and their performance evaluation as anodes for lithium ion batteries. Electrochimica Acta, 2016, 207, 293-300.	2.6	41
65	Effect of surface modification on high-surface-area carbon nanosheets anode in sodium ion battery. Microporous and Mesoporous Materials, 2016, 227, 1-8.	2.2	39
66	Tuning the morphology and structure of nanocarbons with activating agents for ultrafast ionic liquid-based supercapacitors. Journal of Power Sources, 2017, 361, 182-194.	4.0	39
67	Cellulose-derived carbon-based electrodes with high capacitance for advanced asymmetric supercapacitors. Journal of Power Sources, 2020, 457, 228056.	4.0	39
68	Designing carbon anodes for advanced potassium-ion batteries: Materials, modifications, and mechanisms. , 2022, 1, 100057.		39
69	Squid inks-derived nanocarbons with unique â€œshell@pearlsâ€•structure for high performance supercapacitors. Journal of Power Sources, 2017, 354, 116-123.	4.0	38
70	Polyampholyte-doped aligned polymer hydrogels as anisotropic electrolytes for ultrahigh-capacity supercapacitors. Journal of Materials Chemistry A, 2018, 6, 58-64.	5.2	38
71	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.	3.2	38
72	Sustainable nitrogen-doped carbon electrodes for use in high-performance supercapacitors and Li-ion capacitors. Sustainable Energy and Fuels, 2020, 4, 1789-1800.	2.5	38

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73	Fe₃O₄ nanoplates/carbon network synthesized by in situ pyrolysis of an organicâ€“inorganic layered hybrid as a high-performance lithium-ion battery anode. Journal of Materials Chemistry A, 2015, 3, 14210-14216.	5.2	36
74	Marine microalgaes-derived porous ZnMn 2 O 4 /C microspheres and performance evaluation as Li-ion battery Anode by using different binders. Chemical Engineering Journal, 2017, 308, 1200-1208.	6.6	36
75	Porous hydrogen substituted graphyne for high capacity and ultra-stable sodium ion storage. Journal of Materials Chemistry A, 2019, 7, 11186-11194.	5.2	36
76	Electrospun hetero-CoP/FeP embedded in porous carbon nanofibers: enhanced Na⁺ kinetics and specific capacity. Nanoscale, 2020, 12, 24477-24487.	2.8	36
77	Sulfur and nitrogen codoped cyanoethyl celluloseâ€derived carbon with superior gravimetric and volumetric capacity for potassium ion storage. , 2022, 4, 986-1001.		36
78	Fibrous Bio-Carbon Foams: A New Material for Lithium-Ion Hybrid Supercapacitors with Ultrahigh Integrated Energy/Power Density and Ultralong Cycle Life. ACS Sustainable Chemistry and Engineering, 2018, 6, 14989-15000.	3.2	35
79	Large-scale doping-engineering enables boron/nitrogen dual-doped porous carbon for high-performance zinc ion capacitors. Rare Metals, 2022, 41, 2505-2516.	3.6	35
80	Balanced mesoporous nickle cobaltite-graphene and doped carbon electrodes for high-performance asymmetric supercapacitor. Chemical Engineering Journal, 2017, 326, 401-410.	6.6	34
81	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.	2.5	34
82	Nitrogen and Sulfur Co-doped Mesoporous Carbon for Sodium Ion Batteries. ACS Applied Nano Materials, 2019, 2, 5643-5654.	2.4	33
83	A facile liquid/liquid interface method to synthesize graphyne analogs. Chemical Communications, 2019, 55, 6571-6574.	2.2	33
84	Chemical Modification of the spâ€Hybridized Carbon Atoms of Graphdiyne by Using Organic Sulfur. Chemistry - A European Journal, 2019, 25, 5643-5647.	1.7	33
85	Improved electrochemical performance of hierarchical porous carbon/polyaniline composites. Electrochimica Acta, 2012, 74, 98-104.	2.6	32
86	Controllable preparation of an eggshell membrane supported hydrogel electrolyte with thickness-dependent electrochemical performance. Journal of Materials Chemistry A, 2016, 4, 17933-17938.	5.2	32
87	Dual-doped hierarchical porous carbon derived from biomass for advanced supercapacitors and lithium ion batteries. RSC Advances, 2019, 9, 32382-32394.	1.7	32
88	High-energy sodium-ion capacitor assembled by hierarchical porous carbon electrodes derived from Enteromorpha. Journal of Materials Science, 2018, 53, 6763-6773.	1.7	31
89	High potassium ion storage capacity with long cycling stability of sustainable oxygen-rich carbon nanosheets. Nanoscale, 2021, 13, 2389-2398.	2.8	30
90	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.	4.7	30

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91	Template-assisted loading of Fe₃O₄ nanoparticles inside hollow carbon â€œroomsâ€•to achieve high volumetric lithium storage. Nanoscale, 2020, 12, 10816-10826.	2.8	27
92	N,P-Doped Carbon-Based Freestanding Electrodes Enabled by Cellulose Nanofibers for Superior Asymmetric Supercapacitors. ACS Applied Energy Materials, 2021, 4, 2327-2338.	2.5	26
93	Elastic ionogels with freeze-aligned pores exhibit enhanced electrochemical performances as anisotropic electrolytes of all-solid-state supercapacitors. Journal of Materials Chemistry A, 2015, 3, 15408-15412.	5.2	24
94	High temperature oxidation and inter-diffusion behavior of electroplated Niâ€“Re diffusion barriers between NiCoCrAlY coating and orthorhombic-Ti 2 AlNb alloy. Corrosion Science, 2016, 102, 200-208.	3.0	24
95	Bio-derived 3D TiO₂ hollow spheres with a mesocrystal nanostructure to achieve improved electrochemical performance of Na-ion batteries in ether-based electrolytes. Journal of Materials Chemistry A, 2019, 7, 3399-3407.	5.2	24
96	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.	2.5	23
97	Engineering solidâ€“liquid-gas interfaces of single-atom cobalt catalyst for enhancing the robust stability of neutral Zn-air batteries under high current density. Chemical Engineering Journal, 2022, 433, 133685.	6.6	23
98	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, .	7.8	23
99	Two-dimensional SnO₂ anchored biomass-derived carbon nanosheet anode for high-performance Li-ion capacitors. RSC Advances, 2021, 11, 10018-10026.	1.7	20
100	Sorghum core-derived carbon sheets as electrodes for a lithium-ion capacitor. RSC Advances, 2017, 7, 17178-17183.	1.7	19
101	Nitrogen functionalized carbon nanocages optimized as high-performance anodes for sodium ion storage. Electrochimica Acta, 2019, 304, 192-201.	2.6	19
102	Nitrogen and Oxygen Coâ€Doping Assisted Synthesis of Highly Dispersed Pd Nanoparticles on Hollow Carbon Spheres as Efficient Electrocatalysts for Oxygen Reduction Reaction. Chemistry - A European Journal, 2020, 26, 12589-12595.	1.7	19
103	Biomass derived fabrication of a novel sea cucumber-like LiMn 2 O 4 /C composite with a hierarchical porous structure as the cathode for lithium-ion batteries. Electrochimica Acta, 2016, 188, 645-652.	2.6	18
104	A Comparative Study of the Microstructure, Mechanical Properties and Corrosion Resistance of Ni- or Fe- Based Composite Coatings by Laser Cladding. Journal of Materials Engineering and Performance, 2018, 27, 2844-2854.	1.2	18
105	Effective Stabilization of Long-Cycle Lithiumâ€“Sulfur Batteries Utilizing In Situ Prepared Graphdiyne-Modulated Separators. ACS Sustainable Chemistry and Engineering, 2020, 8, 1741-1750.	3.2	17
106	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.	2.8	17
107	Concurrently Achieving High Discharged Energy Density and Efficiency in Composites by Introducing Ultralow Loadings of Coreâ€“Shell Structured Graphene@TiO₂ Nanoboxes. ACS Applied Materials & Interfaces, 2022, 14, 29292-29301.	4.0	17
108	Constructing MoO₂ Porous Architectures Using Graphene Oxide Flexible Supports for Lithium Ion Battery Anodes. Global Challenges, 2017, 1, 1700050.	1.8	16

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109	Novel hybrid anode of MnO nanoparticles and ultrathin carbon sheets for high lithium storage performance. Journal of Alloys and Compounds, 2018, 740, 375-381.	2.8	16
110	Optimizing Strategy for the Dielectric Performance of Topological-structured Polymer Nanocomposites by Rationally Tailoring the Spatial Distribution of Nanofillers. Engineered Science, 2020, , .	1.2	16
111	An unusual method to prepare a highly microporous carbon for hydrogen storage application. Materials Letters, 2013, 100, 227-229.	1.3	15
112	High-Performance Sodium-Ion Capacitor Constructed by Well-Matched Dual-Carbon Electrodes from a Single Biomass. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	14
113	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.	2.8	14
114	Biogelâ€Derived Polycrystalline MnO Spheres/Sâ€Doped Carbon Composites with Enhanced Performance as Anode Materials for Lithiumâ€Ion Batteries. ChemElectroChem, 2017, 4, 1411-1418.	1.7	12
115	Non-carbon coating: a new strategy for improving lithium ion storage of carbon matrix. Green Chemistry, 2018, 20, 3954-3962.	4.6	12
116	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.	2.5	12
117	Boosting capacitance and energy density by construction NiCoO2/CoS2 nanocomposites arrays as pseudocapacitor. Journal of Alloys and Compounds, 2021, 881, 160627.	2.8	12
118	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.	5.2	12
119	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.	2.5	12
120	High lithium anodic performance of flower-like carbon nanoflakes derived from MOF based on double ligands. Journal of Alloys and Compounds, 2019, 806, 520-528.	2.8	11
121	High-rate sodium storage performance enabled using hollow Co3O4 nanoparticles anchored in porous carbon nanofibers anode. Journal of Alloys and Compounds, 2021, 868, 159262.	2.8	11
122	Tailorable high-k and negative-k percolation behaviors in PPy/P(VDF-HFP) composites. Composites Communications, 2021, 28, 100945.	3.3	11
123	Carbonized Chicken Eggshell Membranes with 3D Architectures as High-Performance Electrode Materials for Supercapacitors (Adv. Energy Mater. 4/2012). Advanced Energy Materials, 2012, 2, 430-430.	10.2	10
124	Spaceâ€Confined Fabrication of MoS₂@Carbon Tubes with Semienclosed Architecture Achieving Superior Cycling Capability for Sodium Ion Storage. Advanced Materials Interfaces, 2020, 7, 2000953.	1.9	10
125	Nitrate Salt Assisted Fabrication of Highly N-Doped Carbons for High-Performance Sodium Ion Capacitors. ACS Applied Energy Materials, 0, , .	2.5	9
126	Bio-derived yellow porous TiO₂: the lithiation induced activation of an oxygen-vacancy dominated TiO₂ lattice evoking a large boost in lithium storage performance. Nanoscale, 2020, 12, 746-754.	2.8	9

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127	Resol and urea derived N-doped porous carbon for Na-ion storage. Materials Chemistry and Physics, 2020, 254, 123535.	2.0	9
128	Microzone-explosion synthesis of porous carbon electrodes for advanced aqueous solid-state supercapacitors with a high-voltage gel electrolyte. Journal of Energy Chemistry, 2021, 60, 95-103.	7.1	9
129	A low-cost and one-step synthesis of a novel hierarchically porous Fe₃O₄/C composite with exceptional porosity and superior Li⁺ storage performance. RSC Advances, 2015, 5, 102993-102999.	1.7	7
130	Squid Inkâ€Assisted Fabricating MoS₂ Nanosheets/Ultrafine Biocarbon Spheres Composites with an Enhanced Lithium Ion Storage Performance. ChemistrySelect, 2017, 2, 8643-8649.	0.7	7
131	Triconstituent co-assembly to hierarchically porous carbons as high-performance anodes for sodium-ion batteries. Journal of Alloys and Compounds, 2019, 771, 140-146.	2.8	7
132	Morphological modulation of CoFe-based metal organic frameworks for oxygen evolution reaction. Catalysis Communications, 2022, 165, 106445.	1.6	7
133	Polymer salt-derived carbon-based nanomaterials for high-performance hybrid Li-ion capacitors. Journal of Materials Science, 2019, 54, 7811-7822.	1.7	6
134	Salt-assisted in-situ formation of N-doped porous carbons for boosting K+ storage capacity and cycling stability. New Carbon Materials, 2021, 36, 167-178.	2.9	6
135	Interconnected honeycomb-like carbon with rich nitrogen/sulfur doping for stable potassium ion storage. Electrochimica Acta, 2022, 424, 140596.	2.6	6
136	The hierarchical cobalt oxide-porous carbons composites and their high performance as an anode for lithium ion batteries enhanced by the excellent synergistic effect. Electrochimica Acta, 2017, 231, 511-520.	2.6	5
137	Evolution of â€œadsorptionâ€“insertionâ€•K+ storage behaviors in flower-like carbons with tunable heteroatom doping and graphitic structures. Sustainable Energy and Fuels, 0, , .	2.5	4
138	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.	2.5	4
139	Tailored MoS2 bilayer grafted onto N/S-doped carbon for ultra-stable potassium-ion capacitor. Chemical Engineering Journal, 2022, 450, 137815.	6.6	4
140	Tailoring Biomass-Derived Carbon Nanoarchitectures for High-Performance Supercapacitors. ChemElectroChem, 2014, 1, 302-302.	1.7	2
141	Chemical Modification of the spâ€Hybridized Carbon Atoms of Graphdiyne by Using Organic Sulfur. Chemistry - A European Journal, 2019, 25, 5599-5599.	1.7	2
142	Cable-like heterogeneous porous carbon fibers with ultrahigh-rate capability and long cycle life for fast charging lithium-ion storage devices. Nanoscale, 2019, 11, 20893-20902.	2.8	1
143	Enhanced Hydrogen Storage Capacity of Nanosized Copper Loaded Active Carbons Treated Under CO₂. Journal of Nanoscience and Nanotechnology, 2010, 10, 7648-7653.	0.9	0
144	Influence of thermal annealing on the microstructure, hardness and corrosion behavior of TiAlSiCuN nanocomposite films. Surface and Interface Analysis, 2016, 48, 1310-1315.	0.8	0