

Huan-Lei Wang

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136
papers

10,342
citations

43
h-index

100
g-index

145
ext. papers

11,889
ext. citations

9.8
avg, IF

6.52
L-index

#	Paper	IF	Citations
136	Mesoporous nitrogen-rich carbons derived from protein for ultra-high capacity battery anodes and supercapacitors. <i>Energy and Environmental Science</i> , 2013 , 6, 871	35.4	872
135	Interconnected carbon nanosheets derived from hemp for ultrafast supercapacitors with high energy. <i>ACS Nano</i> , 2013 , 7, 5131-41	16.7	760
134	Carbon nanosheet frameworks derived from peat moss as high performance sodium ion battery anodes. <i>ACS Nano</i> , 2013 , 7, 11004-15	16.7	705
133	Peanut shell hybrid sodium ion capacitor with extreme energy power rivals lithium ion capacitors. <i>Energy and Environmental Science</i> , 2015 , 8, 941-955	35.4	622
132	Carbonized Chicken Eggshell Membranes with 3D Architectures as High-Performance Electrode Materials for Supercapacitors. <i>Advanced Energy Materials</i> , 2012 , 2, 431-437	21.8	510
131	High hydrogen storage capacity of porous carbons prepared by using activated carbon. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7016-22	16.4	427
130	Facile approach to prepare nickel cobaltite nanowire materials for supercapacitors. <i>Small</i> , 2011 , 7, 2454-51	21	381
129	Graphene-nickel cobaltite nanocomposite asymmetrical supercapacitor with commercial level mass loading. <i>Nano Research</i> , 2012 , 5, 605-617	10	321
128	Colossal pseudocapacitance in a high functionality high surface area carbon anode doubles the energy of an asymmetric supercapacitor. <i>Energy and Environmental Science</i> , 2014 , 7, 1708-1718	35.4	320
127	Nanocrystalline anatase TiO ₂ : a new anode material for rechargeable sodium ion batteries. <i>Chemical Communications</i> , 2013 , 49, 8973-5	5.8	320
126	Porous carbons prepared by using metal-organic framework as the precursor for supercapacitors. <i>Carbon</i> , 2010 , 48, 3599-3606	10.4	302
125	Hybrid device employing three-dimensional arrays of MnO in carbon nanosheets bridges battery-supercapacitor divide. <i>Nano Letters</i> , 2014 , 14, 1987-94	11.5	249
124	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	13	206
123	Biomass derived hierarchical porous carbons as high-performance anodes for sodium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 188, 103-110	6.7	171
122	Electrochemical Supercapacitor Electrodes from Sponge-like Graphene Nanoarchitectures with Ultrahigh Power Density. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2928-33	6.4	157
121	Rich sulfur doped porous carbon materials derived from ginkgo leaves for multiple electrochemical energy storage devices. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2204-2214	13	146
120	Self-recovering tough gel electrolyte with adjustable supercapacitor performance. <i>Advanced Materials</i> , 2014 , 26, 4370-5	24	145

119	Excellent energy/power characteristics from a hybrid sodium ion capacitor based on identical carbon nanosheets in both electrodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5149-5158	13	144
118	Ultrahigh discharge efficiency and improved energy density in rationally designed bilayer polyetherimide/BaTiO ₃ /P(VDF-HFP) composites. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5750-5757	13	129
117	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	19.4	129
116	Supercapacitors based on carbons with tuned porosity derived from paper pulp mill sludge biowaste. <i>Carbon</i> , 2013 , 57, 317-328	10.4	129
115	High rate SnO ₂ /Graphene Dual Aerogel anodes and their kinetics of lithiation and sodiation. <i>Nano Energy</i> , 2015 , 15, 369-378	17.1	114
114	Asymmetric capacitor based on superior porous Ni/ZnCo oxide/hydroxide and carbon electrodes. <i>Journal of Power Sources</i> , 2010 , 195, 3017-3024	8.9	111
113	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	13	110
112	Cobalt oxide-carbon nanosheet nanoarchitecture as an anode for high-performance lithium-ion battery. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2882-90	9.5	92
111	Bioinspired Mineralization under Freezing Conditions: An Approach to Fabricate Porous Carbons with Complicated Architecture and Superior K Storage Performance. <i>ACS Nano</i> , 2019 , 13, 11582-11592	16.7	91
110	Sodiation vs. lithiation phase transformations in a high rate/high stability SnO ₂ in carbon nanocomposite. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7100-7111	13	90
109	Sulfur Refines MoO ₂ Distribution Enabling Improved Lithium Ion Battery Performance. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18387-18396	3.8	89
108	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	88
107	Achieving excellent dielectric performance in polymer composites with ultralow filler loadings via constructing hollow-structured filler frameworks. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 131, 105814	8.4	80
106	Preparation of porous doped carbons and the high performance in electrochemical capacitors. <i>Microporous and Mesoporous Materials</i> , 2010 , 131, 89-96	5.3	77
105	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	6.7	74
104	Controlled Design of Well-Dispersed Ultrathin MoS ₂ Nanosheets inside Hollow Carbon Skeleton: Toward Fast Potassium Storage by Constructing Spacious Houses for K Ions. <i>Advanced Functional Materials</i> , 2020 , 30, 1908755	15.6	73
103	Tough BMIMCl-based ionogels exhibiting excellent and adjustable performance in high-temperature supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11569	13	71
102	High performance of nanoporous carbon in cryogenic hydrogen storage and electrochemical capacitance. <i>Carbon</i> , 2009 , 47, 2259-2268	10.4	70

101	Influence of textural parameters on the catalytic behavior for CO oxidation over ordered mesoporous Co ₃ O ₄ . <i>Applied Catalysis B: Environmental</i> , 2010 , 97, 284-291	21.8	68
100	Layer-structured BaTiO ₃ /P(VDF/PI) composites with concurrently improved dielectric permittivity and breakdown strength toward capacitive energy-storage applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10257-10265	7.1	67
99	Tailoring Biomass-Derived Carbon Nanoarchitectures for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2014 , 1, 332-337	4.3	66
98	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	15.6	66
97	All-carbon lithium capacitor based on salt crystal-templated, N-doped porous carbon electrodes with superior energy storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18276-18285	13	54
96	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	16.7	53
95	High energy supercapacitors based on interconnected porous carbon nanosheets with ionic liquid electrolyte. <i>Microporous and Mesoporous Materials</i> , 2017 , 241, 202-209	5.3	50
94	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	6.7	47
93	Rigid-Flexible Coupling Carbon Skeleton and Potassium-Carbonate-Dominated Solid Electrolyte Interface Achieving Superior Potassium-Ion Storage. <i>ACS Nano</i> , 2020 , 14, 4938-4949	16.7	43
92	Synthesis, characterization and energy-related applications of carbide-derived carbons obtained by the chlorination of boron carbide. <i>Carbon</i> , 2009 , 47, 820-828	10.4	42
91	Bilayer carbon nanowires/nickel cobalt hydroxides nanostructures for high-performance supercapacitors. <i>Materials Letters</i> , 2020 , 263, 127217	3.3	42
90	Marine-Biomass-Derived Porous Carbon Sheets with a Tunable N-Doping Content for Superior Sodium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38376-38386	9.5	41
89	Achieving Concurrent High Energy Density and Efficiency in All-Polymer Layered Paraelectric/Ferroelectric Composites via Introducing a Moderate Layer. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 27522-27532	9.5	40
88	Biotemplated MnO/C microtubes from spirogyra with improved electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 188, 210-217	6.7	39
87	Hierarchical porous carbon obtained using the template of NaOH-treated zeolite and its high performance as supercapacitor. <i>Microporous and Mesoporous Materials</i> , 2010 , 133, 106-114	5.3	39
86	In situ Grown Ni [email-protected]12P5 Nanorod Arrays as a Unique CoreShell Architecture: Competitive Bifunctional Electrocatalysts for Urea Electrolysis at Large Current Densities. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 7463-7471	8.3	38
85	Mesoporous flower-like Co ₃ O ₄ /C nanosheet composites and their performance evaluation as anodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2016 , 207, 293-300	6.7	38
84	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	8.9	37

83	Liquid-State Templates for Constructing B, N, Co-Doping Porous Carbons with a Boosting of Potassium-Ion Storage Performance. <i>Advanced Energy Materials</i> , 2021 , 11, 2003215	21.8	32
82	Nitrogen-doped porous carbons derived from a natural polysaccharide for multiple energy storage devices. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 381-391	5.8	31
81	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	5.3	30
80	Controllable preparation of an eggshell membrane supported hydrogel electrolyte with thickness-dependent electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17933-17938	13.8	29
79	Improved electrochemical performance of hierarchical porous carbon/polyaniline composites. <i>Electrochimica Acta</i> , 2012 , 74, 98-104	6.7	29
78	Fe ₃ O ₄ nanoplates/carbon network synthesized by in situ pyrolysis of an organic/inorganic layered hybrid as a high-performance lithium-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14210-14216	12.29	29
77	Squid inks-derived nanocarbons with unique shell@pearls structure for high performance supercapacitors. <i>Journal of Power Sources</i> , 2017 , 354, 116-123	8.9	28
76	Boosting pseudocapacitive charge storage in in situ functionalized carbons with a high surface area for high-energy asymmetric supercapacitors. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2314-2324	5.8	28
75	Marine microalgae-derived porous ZnMn ₂ O ₄ /C microspheres and performance evaluation as Li-ion battery Anode by using different binders. <i>Chemical Engineering Journal</i> , 2017 , 308, 1200-1208	14.7	28
74	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	8.3	28
73	Salt assisted fabrication of lignin-derived Fe, N, P, S codoped porous carbon as trifunctional catalyst for Zn-air batteries and water-splitting devices. <i>Chemical Engineering Journal</i> , 2021 , 421, 129704	14.7	28
72	Balanced mesoporous nickel cobaltite-graphene and doped carbon electrodes for high-performance asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2017 , 326, 401-410	14.7	26
71	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	5.8	26
70	High-energy sodium-ion capacitor assembled by hierarchical porous carbon electrodes derived from Enteromorpha. <i>Journal of Materials Science</i> , 2018 , 53, 6763-6773	4.3	25
69	Fibrous Bio-Carbon Foams: A New Material for Lithium-Ion Hybrid Supercapacitors with Ultrahigh Integrated Energy/Power Density and Ultralong Cycle Life. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14989-15000	8.3	25
68	Significantly enhanced high permittivity and negative permittivity in Ag/Al ₂ O ₃ /3D-BaTiO ₃ /epoxy metacomposites with unique hierarchical heterogeneous microstructures. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 149, 106559	8.4	24
67	A facile liquid/liquid interface method to synthesize graphyne analogs. <i>Chemical Communications</i> , 2019 , 55, 6571-6574	5.8	23
66	Chemical Modification of the sp-Hybridized Carbon Atoms of Graphdiyne by Using Organic Sulfur. <i>Chemistry - A European Journal</i> , 2019 , 25, 5643-5647	4.8	23

65	Polyampholyte-doped aligned polymer hydrogels as anisotropic electrolytes for ultrahigh-capacity supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 58-64	13	22
64	Porous hydrogen substituted graphyne for high capacity and ultra-stable sodium ion storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11186-11194	13	21
63	Nitrogen and Sulfur Co-doped Mesoporous Carbon for Sodium Ion Batteries. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5643-5654	5.6	20
62	Enabling the full exposure of Fe ₂ P@Ni ₃ P heterostructures in tree-branch-like nanoarrays for promoted urea electrolysis at high current densities. <i>Chemical Engineering Journal</i> , 2021 , 417, 128067	14.7	20
61	Identifying Heteroatomic and Defective Sites in Carbon with Dual-Ion Adsorption Capability for High Energy and Power Zinc Ion Capacitor. <i>Nano-Micro Letters</i> , 2021 , 13, 59	19.5	20
60	Electrospun hetero-CoP/FeP embedded in porous carbon nanofibers: enhanced Na kinetics and specific capacity. <i>Nanoscale</i> , 2020 , 12, 24477-24487	7.7	19
59	Dual-doped hierarchical porous carbon derived from biomass for advanced supercapacitors and lithium ion batteries.. <i>RSC Advances</i> , 2019 , 9, 32382-32394	3.7	19
58	High temperature oxidation and inter-diffusion behavior of electroplated NiBe diffusion barriers between NiCoCrAlY coating and orthorhombic-Ti ₂ AlNb alloy. <i>Corrosion Science</i> , 2016 , 102, 200-208	6.8	18
57	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	5.8	17
56	Elastic ionogels with freeze-aligned pores exhibit enhanced electrochemical performances as anisotropic electrolytes of all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15408-15417	13	17
55	Sorghum core-derived carbon sheets as electrodes for a lithium-ion capacitor. <i>RSC Advances</i> , 2017 , 7, 17178-17183	3.7	16
54	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. <i>Electrochimica Acta</i> , 2016 , 188, 645-652	6.7	16
53	Cellulose-derived carbon-based electrodes with high capacitance for advanced asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2020 , 457, 228056	8.9	15
52	Nitrogen functionalized carbon nanocages optimized as high-performance anodes for sodium ion storage. <i>Electrochimica Acta</i> , 2019 , 304, 192-201	6.7	14
51	An unusual method to prepare a highly microporous carbon for hydrogen storage application. <i>Materials Letters</i> , 2013 , 100, 227-229	3.3	14
50	High potassium ion storage capacity with long cycling stability of sustainable oxygen-rich carbon nanosheets. <i>Nanoscale</i> , 2021 , 13, 2389-2398	7.7	14
49	Constructing MoO ₃ Porous Architectures Using Graphene Oxide Flexible Supports for Lithium Ion Battery Anodes. <i>Global Challenges</i> , 2017 , 1, 1700050	4.3	13
48	Bio-derived 3D TiO ₂ hollow spheres with a mesocrystal nanostructure to achieve improved electrochemical performance of Na-ion batteries in ether-based electrolytes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3399-3407	13	13

47	Nitrogen and Oxygen Co-Doping Assisted Synthesis of Highly Dispersed Pd Nanoparticles on Hollow Carbon Spheres as Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>Chemistry - A European Journal</i> , 2020 , 26, 12589-12595	4.8	13
46	Optimizing Strategy for the Dielectric Performance of Topological-structured Polymer Nanocomposites by Rationally Tailoring the Spatial Distribution of Nanofillers. <i>Engineered Science</i> , 2020 ,	3.8	13
45	Novel hybrid anode of MnO nanoparticles and ultrathin carbon sheets for high lithium storage performance. <i>Journal of Alloys and Compounds</i> , 2018 , 740, 375-381	5.7	12
44	Effective Stabilization of Long-Cycle LithiumSulfur Batteries Utilizing In Situ Prepared Graphdiyne-Modulated Separators. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1741-1750	8.3	12
43	Template-assisted loading of FeO nanoparticles inside hollow carbon "rooms" to achieve high volumetric lithium storage. <i>Nanoscale</i> , 2020 , 12, 10816-10826	7.7	12
42	Water-Soluble Salt Template-Assisted Anchor of Hollow FeS ₂ Nanoparticle Inside 3D Carbon Skeleton to Achieve Fast Potassium-Ion Storage. <i>Advanced Energy Materials</i> , 2021 , 11, 2101343	21.8	12
41	Modulation of the crystalline/amorphous interface engineering on Ni-P-O-based catalysts for boosting urea electrolysis at large current densities. <i>Chemical Engineering Journal</i> , 2021 , 425, 130514	14.7	12
40	Non-carbon coating: a new strategy for improving lithium ion storage of carbon matrix. <i>Green Chemistry</i> , 2018 , 20, 3954-3962	10	11
39	Biogel-Derived Polycrystalline MnO Spheres/S-Doped Carbon Composites with Enhanced Performance as Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 1411-1418	4.3	10
38	Engineering core-shell Co ₉ S ₈ /Co nanoparticles on reduced graphene oxide: efficient bifunctional MottSchottky electrocatalysts in neutral rechargeable ZnAir batteries. <i>Journal of Energy Chemistry</i> , 2021 ,	12	10
37	High-Performance Sodium-Ion Capacitor Constructed by Well-Matched Dual-Carbon Electrodes from a Single Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	9
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	7.7	9
35	Boosting capacitance and energy density by construction NiCoO ₂ /CoS ₂ nanocomposites arrays as pseudocapacitor. <i>Journal of Alloys and Compounds</i> , 2021 , 881, 160627	5.7	9
34	Oxygen Engineering Enables N-Doped Porous Carbon Nanofibers as Oxygen Reduction/Evolution Reaction Electrocatalysts for Flexible ZincAir Batteries. <i>ACS Catalysis</i> , 2022 , 12, 4002-4015	13.1	9
33	Carbonized Chicken Eggshell Membranes with 3D Architectures as High-Performance Electrode Materials for Supercapacitors (Adv. Energy Mater. 4/2012). <i>Advanced Energy Materials</i> , 2012 , 2, 430-430	21.8	8
32	A low-cost and one-step synthesis of a novel hierarchically porous Fe ₃ O ₄ /C composite with exceptional porosity and superior Li ⁺ storage performance. <i>RSC Advances</i> , 2015 , 5, 102993-102999	3.7	7
31	Bio-derived yellow porous TiO: the lithiation induced activation of an oxygen-vacancy dominated TiO lattice evoking a large boost in lithium storage performance. <i>Nanoscale</i> , 2020 , 12, 746-754	7.7	7
30	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	5.8	7

29	Triconstituent co-assembly to hierarchically porous carbons as high-performance anodes for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 140-146	5.7	7
28	Two-dimensional SnO anchored biomass-derived carbon nanosheet anode for high-performance Li-ion capacitors.. <i>RSC Advances</i> , 2021 , 11, 10018-10026	3.7	7
27	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	6.1	7
26	Nitrate Salt Assisted Fabrication of Highly N-Doped Carbons for High-Performance Sodium Ion Capacitors. <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	7
25	A Comparative Study of the Microstructure, Mechanical Properties and Corrosion Resistance of Ni- or Fe- Based Composite Coatings by Laser Cladding. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 2844-2854	1.6	6
24	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> , 2022 ,	5.7	5
23	Resol and urea derived N-doped porous carbon for Na-ion storage. <i>Materials Chemistry and Physics</i> , 2020 , 254, 123535	4.4	5
22	The hierarchical cobalt oxide-porous carbons composites and their high performance as an anode for lithium ion batteries enhanced by the excellent synergistic effect. <i>Electrochimica Acta</i> , 2017 , 231, 511-520	6.7	4
21	Squid Ink-Assisted Fabricating MoS ₂ Nanosheets/Ultrafine Biocarbon Spheres Composites with an Enhanced Lithium Ion Storage Performance. <i>ChemistrySelect</i> , 2017 , 2, 8643-8649	1.8	4
20	Polymer salt-derived carbon-based nanomaterials for high-performance hybrid Li-ion capacitors. <i>Journal of Materials Science</i> , 2019 , 54, 7811-7822	4.3	4
19	High lithium anodic performance of flower-like carbon nanoflakes derived from MOF based on double ligands. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 520-528	5.7	4
18	Engineering solid-liquid-gas interfaces of single-atom cobalt catalyst for enhancing the robust stability of neutral Zn-air batteries under high current density. <i>Chemical Engineering Journal</i> , 2021 , 433, 133685	14.7	4
17	Space-Confined Fabrication of MoS ₂ @Carbon Tubes with Semienclosed Architecture Achieving Superior Cycling Capability for Sodium Ion Storage. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000953	4.6	4
16	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	5.7	4
15	Large-scale doping-engineering enables boron/nitrogen dual-doped porous carbon for high-performance zinc ion capacitors. <i>Rare Metals</i> , 1	5.5	4
14	Designing Carbon Anodes for Advanced Potassium-Ion Batteries: Materials, Modifications, and Mechanisms 2022 , 100057		4
13	Chemical Modification of the sp-Hybridized Carbon Atoms of Graphdiyne by Using Organic Sulfur. <i>Chemistry - A European Journal</i> , 2019 , 25, 5599-5599	4.8	2
12	Tailoring Biomass-Derived Carbon Nanoarchitectures for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2014 , 1, 302-302	4.3	2

11	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	5.7	2
10	Salt-assisted in-situ formation of N-doped porous carbons for boosting K ⁺ storage capacity and cycling stability. <i>New Carbon Materials</i> , 2021 , 36, 167-178	4.4	2
9	Microzone-explosion synthesis of porous carbon electrodes for advanced aqueous solid-state supercapacitors with a high-voltage gel electrolyte. <i>Journal of Energy Chemistry</i> , 2021 , 60, 95-103	12	2
8	Spatially Confined Edge-to-Edge Strategy for Achieving Compact Na ⁺ /K ⁺ Storage: Constructing Hetero-Ni/Ni ₃ S ₂ in Densified Carbons. <i>Advanced Functional Materials</i> , 2203291	15.6	2
7	Evolution of Adsorption/Insertion/K ⁺ storage behaviors in flower-like carbons with tunable heteroatom doping and graphitic structures. <i>Sustainable Energy and Fuels</i> ,	5.8	1
6	Cable-like heterogeneous porous carbon fibers with ultrahigh-rate capability and long cycle life for fast charging lithium-ion storage devices. <i>Nanoscale</i> , 2019 , 11, 20893-20902	7.7	1
5	Tailorable high-k and negative-k percolation behaviors in PPy/P(VDF-HFP) composites. <i>Composites Communications</i> , 2021 , 28, 100945	6.7	1
4	Morphological modulation of CoFe-based metal organic frameworks for oxygen evolution reaction. <i>Catalysis Communications</i> , 2022 , 165, 106445	3.2	1
3	Enhanced hydrogen storage capacity of nanosized copper loaded active carbons treated under CO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 7648-53	1.3	
2	Influence of thermal annealing on the microstructure, hardness and corrosion behavior of TiAlSiCuN nanocomposite films. <i>Surface and Interface Analysis</i> , 2016 , 48, 1310-1315	1.5	
1	Interconnected honeycomb-like carbon with rich nitrogen/sulfur doping for stable potassium ion storage. <i>Electrochimica Acta</i> , 2022 , 424, 140596	6.7	