

Jie Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

5,745
citations

40
h-index

75
g-index

85
ext. papers

6,739
ext. citations

9.3
avg, IF

6.07
L-index

#	Paper	IF	Citations
84	Metal-ion inserted vanadium oxide nanoribbons as high-performance cathodes for aqueous zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2022 , 136861	14.7	0
83	Efficient lithium-ion storage using a heterostructured porous carbon framework and its transmission electron microscopy study.. <i>Chemical Communications</i> , 2021 ,	5.8	4
82	Kinetic Study of the Hydrothermal Carbonization Reaction of Glucose and Its Product Structures. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4552-4561	3.9	7
81	MnO ₂ decorated ZIF-8@GOx for synergistic chemodynamic and starvation therapy of cancer. <i>Journal of Solid State Chemistry</i> , 2021 , 298, 122102	3.3	4
80	Electrochemical energy storage performance of 2D nanoarchitected hybrid materials. <i>Nature Communications</i> , 2021 , 12, 3563	17.4	16
79	Hollow carbon architectures with mesoporous shells via self-sacrificial templating strategy using metal-organic frameworks. <i>Chemical Engineering Journal</i> , 2021 , 420, 127635	14.7	6
78	Nanoarchitecturing Carbon Nanodot Arrays on Zeolitic Imidazolate FrameworkDerived CobaltNitrogenDoped Carbon Nanoflakes toward Oxygen Reduction Electrocatalysts. <i>ACS Nano</i> , 2021 ,	16.7	8
77	Two-dimensional metalorganic framework with perpendicular one-dimensional nano-channel as precise polysulfide sieves for highly efficient lithiumsulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 4870-4879	13	5
76	In Situ Growth of CoreShell Heterostructure CoMoO ₄ @CuCo ₂ S ₄ Meshes as Advanced Electrodes for High-Performance Supercapacitors. <i>Energy & Fuels</i> , 2020 , 34, 16791-16799	4.1	6
75	Dual-templated 3D nitrogen-enriched hierarchical porous carbon aerogels with interconnected carbon nanosheets from self-assembly natural biopolymer gel for supercapacitors. <i>Electrochimica Acta</i> , 2020 , 353, 136514	6.7	20
74	Sandwich-Structured Ordered Mesoporous Polydopamine/MXene Hybrids as High-Performance Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14993-15001	9.5	25
73	Universal Access to Two-Dimensional Mesoporous Heterostructures by Micelle-Directed Interfacial Assembly. <i>Angewandte Chemie</i> , 2020 , 132, 19738-19743	3.6	8
72	Universal Access to Two-Dimensional Mesoporous Heterostructures by Micelle-Directed Interfacial Assembly. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19570-19575	16.4	32
71	Efficient and Stable Ideal Bandgap Perovskite Solar Cell Achieved by a Small Amount of Tin Substituted Methylammonium Lead Iodide. <i>Electronic Materials Letters</i> , 2020 , 16, 224-230	2.9	8
70	Synchronous crystal growth and etching optimization of Prussian blue from a single iron-source as high-rate cathode for sodium-ion batteries. <i>Electrochimica Acta</i> , 2020 , 341, 136057	6.7	10
69	Self-assembly of nickel phosphate-based nanotubes into two-dimensional crumpled sheet-like architectures for high-performance asymmetric supercapacitors. <i>Nano Energy</i> , 2020 , 67, 104270	17.1	129
68	Fabrication of Flexible Microsupercapacitors with Binder-Free ZIF-8 Derived Carbon Films via Electrophoretic Deposition. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 176-181	5.1	80

67	Solid-state lithium-sulfur batteries: Advances, challenges and perspectives. <i>Materials Today</i> , 2020 , 40, 114-131	21.8	33
66	Hierarchical porous activated carbon derived from <i>Enteromorpha prolifera</i> for superior electrochemical capacitive behavior. <i>Ionics</i> , 2020 , 26, 403-413	2.7	8
65	Fabricating better metal-organic frameworks separators for LiS batteries: Pore sizes effects inspired channel modification strategy. <i>Energy Storage Materials</i> , 2020 , 25, 164-171	19.4	46
64	Physical Expansion of Layered Graphene Oxide Nanosheets by Chemical Vapor Deposition of Metal-Organic Frameworks and their Thermal Conversion into Nitrogen-Doped Porous Carbons for Supercapacitor Applications. <i>ChemSusChem</i> , 2020 , 13, 1629-1636	8.3	12
63	MoOx nanoparticles anchored on N-doped porous carbon as Li-ion battery electrode. <i>Chemical Engineering Journal</i> , 2020 , 381, 122588	14.7	71
62	Nanoporous Iron Oxide/Carbon Composites through In-Situ Deposition of Prussian Blue Nanoparticles on Graphene Oxide Nanosheets and Subsequent Thermal Treatment for Supercapacitor Applications. <i>Nanomaterials</i> , 2019 , 9,	5.4	33
61	Confined Pyrolysis of ZIF-8 Polyhedrons Wrapped with Graphene Oxide Nanosheets to Prepare 3D Porous Carbon Heterostructures. <i>Small Methods</i> , 2019 , 3, 1900277	12.8	21
60	Ultra-thin, highly graphitized carbon nanosheets into three-dimensional interconnected framework utilizing a ball mill mixing of precursors. <i>Chemical Engineering Journal</i> , 2019 , 374, 1214-1220	14.7	13
59	Soft-Templated Synthesis of Sheet-Like Nanoporous Nitrogen-Doped Carbons for Electrochemical Supercapacitors. <i>ChemElectroChem</i> , 2019 , 6, 1901-1907	4.3	2
58	Novel acetic acid induced Na-rich Prussian blue nanocubes with iron defects as cathodes for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12134-12144	13	37
57	Fabrication of Nanoporous Carbon Materials with Hard- and Soft-Templating Approaches: A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3673-3685	1.3	39
56	Auto-programmed heteroarchitecturing: Self-assembling ordered mesoporous carbon between two-dimensional Ti3C2Tx MXene layers. <i>Nano Energy</i> , 2019 , 65, 103991	17.1	38
55	Solid/Solid Interfacial Architecturing of Solid Polymer Electrolyte-Based All-Solid-State Lithium-Sulfur Batteries by Atomic Layer Deposition. <i>Small</i> , 2019 , 15, e1903952	11	35
54	Scalable synthesis of holey graphite nanosheets for supercapacitors with high volumetric capacitance. <i>Nanoscale Horizons</i> , 2019 , 4, 526-530	10.8	23
53	Controlled Chemical Vapor Deposition for Synthesis of Nanowire Arrays of Metal-Organic Frameworks and Their Thermal Conversion to Carbon/Metal Oxide Hybrid Materials. <i>Chemistry of Materials</i> , 2018 , 30, 3379-3386	9.6	233
52	Three-Dimensional Macroporous Graphitic Carbon for Supercapacitor Application. <i>ChemistrySelect</i> , 2018 , 3, 4522-4526	1.8	13
51	Significant Effect of Pore Sizes on Energy Storage in Nanoporous Carbon Supercapacitors. <i>Chemistry - A European Journal</i> , 2018 , 24, 6127-6132	4.8	51
50	Sodium-rich iron hexacyanoferrate with nickel doping as a high performance cathode for aqueous sodium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 818, 10-18	4.1	26

49	Self-Template-Directed Metal-Organic Frameworks Network and the Derived Honeycomb-Like Carbon Flakes via Confinement Pyrolysis. <i>Small</i> , 2018 , 14, e1704461	11	31
48	Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. <i>Angewandte Chemie</i> , 2018 , 130, 2944-2948	3.6	15
47	Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2894-2898	16.4	188
46	Hierarchically Porous Multilayered Carbon Barriers for High-Performance Li-S Batteries. <i>Chemistry - A European Journal</i> , 2018 , 24, 3768-3775	4.8	36
45	Template-induced self-activation route for nitrogen-doped hierarchically porous carbon spheres for electric double layer capacitors. <i>Carbon</i> , 2018 , 136, 204-210	10.4	44
44	Heteroatom (P, B, or S) incorporated NiFe-based nanocubes as efficient electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7062-7069	13	67
43	Sub-50 nm Iron-Nitrogen-Doped Hollow Carbon Sphere-Encapsulated Iron Carbide Nanoparticles as Efficient Oxygen Reduction Catalysts. <i>Advanced Science</i> , 2018 , 5, 1800120	13.6	140
42	A Glucose-Assisted Hydrothermal Reaction for Directly Transforming Metal-Organic Frameworks into Hollow Carbonaceous Materials. <i>Chemistry of Materials</i> , 2018 , 30, 4401-4408	9.6	77
41	High performance capacitive deionization using modified ZIF-8-derived, N-doped porous carbon with improved conductivity. <i>Nanoscale</i> , 2018 , 10, 14852-14859	7.7	76
40	Fabrication of flexible nanoporous nitrogen-doped graphene film for high-performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 1653-1663	2.6	19
39	Activated Porous Carbon Spheres with Customized Mesopores through Assembly of Diblock Copolymers for Electrochemical Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18986-18993	9.5	53
38	Prussian Blue Analogue with Fast Kinetics Through Electronic Coupling for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20306-20312	9.5	75
37	Hierarchical porous carbons with layer-by-layer motif architectures from confined soft-template self-assembly in layered materials. <i>Nature Communications</i> , 2017 , 8, 15717	17.4	231
36	Bacterial-cellulose-derived interconnected meso-microporous carbon nanofiber networks as binder-free electrodes for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2017 , 352, 34-41	8.9	88
35	Biomass derived carbon for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2411-2428	13	474
34	Nitrogen-Doped Porous Carbon Nanospheres from Natural Sepia Ink: Easy Preparation and Extraordinary Capacitive Performance. <i>ChemNanoMat</i> , 2017 , 3, 895-901	3.5	13
33	Biomass derived nitrogen doped carbon with porous architecture as efficient electrode materials for supercapacitors. <i>Chinese Chemical Letters</i> , 2017 , 28, 2227-2230	8.1	35
32	Co ₃ O ₄ nanoneedle arrays as a multifunctional super-reservoir electrode for long cycle life LiS batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 250-257	13	116

31	Pseudocapacitive materials for electrochemical capacitors: from rational synthesis to capacitance optimization. <i>National Science Review</i> , 2017 , 4, 71-90	10.8	138
30	Interface miscibility induced double-capillary carbon nanofibers for flexible electric double layer capacitors. <i>Nano Energy</i> , 2016 , 28, 232-240	17.1	54
29	Facile Synthesis of Nitrogen-Containing Mesoporous Carbon for High-Performance Energy Storage Applications. <i>Chemistry - A European Journal</i> , 2016 , 22, 4256-62	4.8	16
28	Hollow NiCo ₂ S ₄ nanotube arrays grown on carbon textile as a self-supported electrode for asymmetric supercapacitors. <i>RSC Advances</i> , 2016 , 6, 9950-9957	3.7	42
27	A modified molten-salt method to prepare graphene electrode with high capacitance and low self-discharge rate. <i>Carbon</i> , 2016 , 102, 255-261	10.4	66
26	Synthesis and electrochemical performances of mixed-valence vanadium oxide/ordered mesoporous carbon composites for supercapacitors. <i>RSC Advances</i> , 2016 , 6, 25056-25061	3.7	13
25	Self-Sacrificial Template-Directed Synthesis of Metal-Organic Framework-Derived Porous Carbon for Energy-Storage Devices. <i>ChemElectroChem</i> , 2016 , 3, 668-674	4.3	42
24	Interconnected core-shell pyrolyzed polyacrylonitrile@sulfur/carbon nanocomposites for rechargeable lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2016 , 40, 7680-7686	3.6	15
23	Excellent cycling stability and superior rate capability of a graphene-amorphous FePO ₄ porous nanowire hybrid as a cathode material for sodium ion batteries. <i>Nanoscale</i> , 2016 , 8, 8495-9	7.7	35
22	A two-step etching route to ultrathin carbon nanosheets for high performance electrical double layer capacitors. <i>Nanoscale</i> , 2016 , 8, 11136-42	7.7	46
21	An in situ confinement strategy to porous poly(3,4-ethylenedioxythiophene)/sulfur composites for lithium-sulfur batteries. <i>RSC Advances</i> , 2016 , 6, 47858-47863	3.7	8
20	Nanospace-confined synthesis of oriented porous carbon nanosheets for high-performance electrical double layer capacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16879-16885	13	26
19	Heteroatom-Doped Porous Carbon Nanosheets: General Preparation and Enhanced Capacitive Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 16668-16674	4.8	14
18	Three-dimensional porous MXene/layered double hydroxide composite for high performance supercapacitors. <i>Journal of Power Sources</i> , 2016 , 327, 221-228	8.9	178
17	Three-dimensional graphene nanosheets/carbon nanotube paper as flexible electrodes for electrochemical capacitors. <i>RSC Advances</i> , 2015 , 5, 22173-22177	3.7	7
16	Lamellar-structured biomass-derived phosphorus- and nitrogen-co-doped porous carbon for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2015 , 39, 9497-9503	3.6	58
15	Crumpled Nitrogen-Doped Graphene for Supercapacitors with High Gravimetric and Volumetric Performances. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22284-91	9.5	67
14	Porous NiCo ₂ O ₄ nanotubes as a noble-metal-free effective bifunctional catalyst for rechargeable Li-O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24309-24314	13	50

13	NiCo ₂ S ₄ Nanosheets Grown on Nitrogen-Doped Carbon Foams as an Advanced Electrode for Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1400977	21.8	633
12	General Strategy to Fabricate Ternary Metal Nitride/Carbon Nanofibers for Supercapacitors. <i>ChemElectroChem</i> , 2015 , 2, 2020-2026	4.3	16
11	Nanospace-confinement copolymerization strategy for encapsulating polymeric sulfur into porous carbon for lithium-sulfur batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11165-71	9.5	46
10	One-Dimensional Vanadium Nitride Nanofibers Fabricated by Electrospinning for Supercapacitors. <i>Electrochimica Acta</i> , 2015 , 173, 680-686	6.7	55
9	N-doped carbon foam based three-dimensional electrode architectures and asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2853-2860	13	66
8	Non-aqueous hybrid supercapacitors fabricated with mesoporous TiO ₂ microspheres and activated carbon electrodes with superior performance. <i>Journal of Power Sources</i> , 2014 , 253, 80-89	8.9	68
7	Fabrication of porous carbon spheres for high-performance electrochemical capacitors. <i>RSC Advances</i> , 2014 , 4, 7538	3.7	65
6	Highly enhanced lithium storage capability of LiNi _{0.5} Mn _{1.5} O ₄ by coating with Li ₂ TiO ₃ for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18256-18262	13	80
5	Prussian blue analogues: a new class of anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5852-5857	13	197
4	Porous nitrogen-doped carbon nanotubes derived from tubular polypyrrole for energy-storage applications. <i>Chemistry - A European Journal</i> , 2013 , 19, 12306-12	4.8	149
3	3D porous layered double hydroxides grown on graphene as advanced electrochemical pseudocapacitor materials. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9046	13	165
2	Flexible Films Derived from Electrospun Carbon Nanofibers Incorporated with Co ₃ O ₄ Hollow Nanoparticles as Self-Supported Electrodes for Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2013 , 23, 3909-3915	15.6	215
1	Ordered Hierarchical Mesoporous/Microporous Carbon Derived from Mesoporous Titanium-Carbide/Carbon Composites and its Electrochemical Performance in Supercapacitor. <i>Advanced Energy Materials</i> , 2011 , 1, 1101-1108	21.8	232