

Bing Ding

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.

72
papers

5,047
citations

35
h-index

71
g-index

75
ext. papers

5,708
ext. citations

8.2
avg, IF

5.77
L-index

#	Paper	IF	Citations
72	Charge Storage Mechanism of an Anthraquinone-Derived Porous Covalent Organic Framework with Multiredox Sites as Anode Material for Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , 2021 , 4, 11377-11385 ⁴	6.1	11385 ⁴
71	Single Atom-Based Nanoarchitected Electrodes for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2002159	4.6	9
70	Fabrication of the Oxygen Vacancy Amorphous MnO ₂ /Carbon Nanotube as Cathode for Advanced Aqueous Zinc-Ion Batteries. <i>Energy Technology</i> , 2021 , 9, 2000769	3.5	13
69	Nanoarchitected porous carbons derived from ZIFs toward highly sensitive and selective QCM sensor for hazardous aromatic vapors. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124248	12.8	12
68	Atomic Layer Deposition of Single Atomic Cobalt as a Catalytic Interlayer for Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11206-11212	6.1	7
67	MOF-derived hybrid nanoarchitected carbons for gas discrimination of volatile aromatic hydrocarbons. <i>Carbon</i> , 2020 , 168, 55-64	10.4	12
66	Lithium-ion capacitor based on nanoarchitected polydopamine/graphene composite anode and porous graphene cathode. <i>Carbon</i> , 2020 , 167, 627-633	10.4	14
65	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
64	Universal Access to Two-Dimensional Mesoporous Heterostructures by Micelle-Directed Interfacial Assembly. <i>Angewandte Chemie</i> , 2020 , 132, 19738-19743	3.6	8
63	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
62	Biomass-derived porous carbon electrodes for high-performance supercapacitors. <i>Journal of Materials Science</i> , 2020 , 55, 5166-5176	4.3	30
61	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
60	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
59	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
58	Compressed and Crumpled Porous Carbon Electrode for High Volumetric Performance Electrical Double-Layer Capacitors. <i>Energy Technology</i> , 2019 , 7, 1900209	3.5	8
57	Boosting the Reversibility of Sodium Metal Anode via Heteroatom-Doped Hollow Carbon Fibers. <i>Small</i> , 2019 , 15, e1902688	11	44
56	Auto-programmed heteroarchitecturing: Self-assembling ordered mesoporous carbon between two-dimensional Ti ₃ C ₂ T _x MXene layers. <i>Nano Energy</i> , 2019 , 65, 103991	17.1	38

55	Advanced Nanoporous MaterialBased QCM Devices: A New Horizon of Interfacial Mass Sensing Technology. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900849	4.6	38
54	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
53	Gram-Scale Synthesis of Bimetallic ZIFs and Their Thermal Conversion to Nanoporous Carbon Materials. <i>Nanomaterials</i> , 2019 , 9,	5.4	9
52	Scalable synthesis of holey graphite nanosheets for supercapacitors with high volumetric capacitance. <i>Nanoscale Horizons</i> , 2019 , 4, 526-530	10.8	23
51	Titelbild: Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework (Angew. Chem. 11/2018). <i>Angewandte Chemie</i> , 2018 , 130, 2777-2777	3.6	1
50	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
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	Superlithiated Polydopamine Derivative for High-Capacity and High-Rate Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38101-38108	9.5	40
44	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
43	MoS ₂ -Nanosheet-Decorated 2D Titanium Carbide (MXene) as High-Performance Anodes for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 1560-1565	4.3	92
42	Highly Conductive and Lightweight Composite Film as Polysulfide Reservoir for High-Performance LithiumSulfur Batteries. <i>ChemElectroChem</i> , 2017 , 4, 362-368	4.3	25
41	Biomass derived carbon for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2411-2428	13	474
40	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
39	Highly stable lithium ion capacitor enabled by hierarchical polyimide derived carbon microspheres combined with 3D current collectors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23283-23291	13	66
38	Co ₃ O ₄ nanoneedle arrays as a multifunctional Super-reservoirElectrode for long cycle life LiS batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 250-257	13	116

37	Pseudocapacitive materials for electrochemical capacitors: from rational synthesis to capacitance optimization. <i>National Science Review</i> , 2017 , 4, 71-90	10.8	138
36	Effect of Graphene Modified Cu Current Collector on the Performance of LiTiO Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30926-30932	9.5	65
35	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
34	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
33	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
32	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
31	PAA/PEDOT:PSS as a multifunctional, water-soluble binder to improve the capacity and stability of lithium-sulfur batteries. <i>RSC Advances</i> , 2016 , 6, 40650-40655	3.7	62
30	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
29	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
28	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
27	Heteroatom-Doped Porous Carbon Nanosheets: General Preparation and Enhanced Capacitive Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 16668-16674	4.8	14
26	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
25	Porous nitrogen and phosphorus co-doped carbon nanofiber networks for high performance electrical double layer capacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23268-23273	13	68
24	Absorption mechanism of carbon-nanotube paper-titanium dioxide as a multifunctional barrier material for lithium-sulfur batteries. <i>Nano Research</i> , 2015 , 8, 3066-3074	10	86
23	Biomass-derived porous carbon materials with sulfur and nitrogen dual-doping for energy storage. <i>Green Chemistry</i> , 2015 , 17, 1668-1674	10	481
22	General Strategy to Fabricate Ternary Metal Nitride/Carbon Nanofibers for Supercapacitors. <i>ChemElectroChem</i> , 2015 , 2, 2020-2026	4.3	16
21	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
20	Enhanced electrochemical performance of sulfur cathodes with a water-soluble binder. <i>RSC Advances</i> , 2015 , 5, 13709-13714	3.7	49

19	Porous nitrogen-doped hollow carbon spheres derived from polyaniline for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5352-5357	13	369
18	High performance lithium-sulfur batteries: advances and challenges. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12662-12676	13	235
17	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
16	Synthesis of hydrogenated TiO ₂ -reduced-graphene oxide nanocomposites and their application in high rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9150-9155	13	35
15	Design of a Nitrogen-Doped, Carbon-Coated Li Ti O Nanocomposite with a Core-Shell Structure and Its Application for High-Rate Lithium-Ion Batteries. <i>ChemPlusChem</i> , 2014 , 79, 128-133	2.8	29
14	Enhanced Performance of Aqueous Sodium-Ion Batteries Using Electrodes Based on the NaTi ₂ (PO ₄) ₃ /MWNTs/Na _{0.44} MnO ₂ System. <i>Energy Technology</i> , 2014 , 2, 705-712	3.5	47
13	Enhanced Lithium-Storage Performance from Three-Dimensional MoS ₂ Nanosheets/Carbon Nanotube Paper. <i>ChemElectroChem</i> , 2014 , 1, 1118-1125	4.3	40
12	Preparation and electrochemical performances of porous polypyrrole film by interfacial polymerization. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2938-2944	2.9	16
11	Enhancing the electrochemical performance of Li _{1.2} Ni _{0.2} Mn _{0.6} O ₂ by surface modification with nickel-manganese composite oxide. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 2087-2093	2.6	14
10	Advanced Energy-Storage Architectures Composed of Spinel Lithium Metal Oxide Nanocrystal on Carbon Textiles. <i>Advanced Energy Materials</i> , 2013 , 3, 1484-1489	21.8	101
9	Fabrication of a sandwich structured electrode for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14280	13	37
8	Encapsulating sulfur into hierarchically ordered porous carbon as a high-performance cathode for lithium-sulfur batteries. <i>Chemistry - A European Journal</i> , 2013 , 19, 1013-9	4.8	201
7	Sulfur embedded in metal organic framework-derived hierarchically porous carbon nanoplates for high performance lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4490	13	245
6	Chemically tailoring the nanostructure of graphene nanosheets to confine sulfur for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1096-1101	13	170
5	One-step electrochemical composite polymerization of polypyrrole integrated with functionalized graphene/carbon nanotubes nanostructured composite film for electrochemical capacitors. <i>Electrochimica Acta</i> , 2012 , 62, 132-139	6.7	33
4	Enhanced high-current capacitive behavior of graphene/CoAl-layered double hydroxide composites as electrode material for supercapacitors. <i>Journal of Power Sources</i> , 2012 , 199, 395-401	8.9	175
3	Effect of feeding ratios on the structure and electrochemical performance of graphite oxide/polypyrrole nanocomposites. <i>Science Bulletin</i> , 2011 , 56, 2846-2852		14
2	Capacitance properties of graphite oxide/poly(3,4-ethylene dioxythiophene) composites. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 892-898	2.9	42

1 A novel covalent organic framework with high-density imine groups for lithium storage as anode material in lithium-ion batteries. *Journal of Materials Science*, 1

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