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List of Publications by Year
in descending order

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		81900	74163
73	6,326	39	75
papers	citations	h-index	g-index

75	75	75	8904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomass derived carbon for energy storage devices. Journal of Materials Chemistry A, 2017, 5, 2411-2428.	10.3	632
2	Biomass-derived porous carbon materials with sulfur and nitrogen dual-doping for energy storage. Green Chemistry, 2015, 17, 1668-1674.	9.0	572
3	Porous nitrogen-doped hollow carbon spheres derived from polyaniline for high performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 5352-5357.	10.3	403
4	High performance lithiumâ€“sulfur batteries: advances and challenges. Journal of Materials Chemistry A, 2014, 2, 12662-12676.	10.3	269
5	Sulfur embedded in metal organic framework-derived hierarchically porous carbon nanoplates for high performance lithiumâ€“sulfur battery. Journal of Materials Chemistry A, 2013, 1, 4490.	10.3	266
6	Hierarchical porous carbons with layer-by-layer motif architectures from confined soft-template self-assembly in layered materials. Nature Communications, 2017, 8, 15717.	12.8	263
7	Prussian blue analogues: a new class of anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 5852-5857.	10.3	241
8	Confined Selfâ€Assembly in Twoâ€Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with Inâ€Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. Angewandte Chemie - International Edition, 2018, 57, 2894-2898.	13.8	235
9	Pseudocapacitive materials for electrochemical capacitors: from rational synthesis to capacitance optimization. National Science Review, 2017, 4, 71-90.	9.5	215
10	Encapsulating Sulfur into Hierarchically Ordered Porous Carbon as a Highâ€Performance Cathode for Lithiumâ€“Sulfur Batteries. Chemistry - A European Journal, 2013, 19, 1013-1019.	3.3	212
11	Enhanced high-current capacitive behavior of graphene/CoAl-layered double hydroxide composites as electrode material for supercapacitors. Journal of Power Sources, 2012, 199, 395-401.	7.8	195
12	Chemically tailoring the nanostructure of graphenenanosheets to confine sulfur for high-performance lithium-sulfur batteries. Journal of Materials Chemistry A, 2013, 1, 1096-1101.	10.3	180
13	Co₃O₄nanoneedle arrays as a multifunctional â€œsuper-reservoirâ€•electrode for long cycle life Liâ€“S batteries. Journal of Materials Chemistry A, 2017, 5, 250-257.	10.3	147
14	MoS₂â€Nanosheetâ€Decorated 2D Titanium Carbide (MXene) as Highâ€Performance Anodes for Sodiumâ€Ion Batteries. ChemElectroChem, 2017, 4, 1560-1565.	3.4	123
15	Advanced Energyâ€Storage Architectures Composed of Spinel Lithium Metal Oxide Nanocrystal on Carbon Textiles. Advanced Energy Materials, 2013, 3, 1484-1489.	19.5	109
16	Absorption mechanism of carbon-nanotube paper-titanium dioxide as a multifunctional barrier material for lithium-sulfur batteries. Nano Research, 2015, 8, 3066-3074.	10.4	95
17	Highly stable lithium ion capacitor enabled by hierarchical polyimide derived carbon microspheres combined with 3D current collectors. Journal of Materials Chemistry A, 2017, 5, 23283-23291.	10.3	94
18	Porous nitrogen and phosphorus co-doped carbon nanofiber networks for high performance electrical double layer capacitors. Journal of Materials Chemistry A, 2015, 3, 23268-23273.	10.3	82

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19	PAA/PEDOT:PSS as a multifunctional, water-soluble binder to improve the capacity and stability of lithiumâ€“sulfur batteries. RSC Advances, 2016, 6, 40650-40655.	3.6	81
20	Effect of Graphene Modified Cu Current Collector on the Performance of Li₄Ti₅O₁₂Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 30926-30932.	8.0	81
21	Crumpled Nitrogen-Doped Graphene for Supercapacitors with High Gravimetric and Volumetric Performances. ACS Applied Materials & Interfaces, 2015, 7, 22284-22291.	8.0	77
22	Boosting the Reversibility of Sodium Metal Anode via Heteroatomâ€Doped Hollow Carbon Fibers. Small, 2019, 15, e1902688.	10.0	76
23	Auto-programmed heteroarchitecturing: Self-assembling ordered mesoporous carbon between two-dimensional Ti3C2Tx MXene layers. Nano Energy, 2019, 65, 103991.	16.0	70
24	Advanced Nanoporous Materialâ€“Based QCM Devices: A New Horizon of Interfacial Mass Sensing Technology. Advanced Materials Interfaces, 2019, 6, 1900849.	3.7	69
25	Significant Effect of Pore Sizes on Energy Storage in Nanoporous Carbon Supercapacitors. Chemistry - A European Journal, 2018, 24, 6127-6132.	3.3	68
26	Solid/Solid Interfacial Architecturing of Solid Polymer Electrolyteâ€“Based Allâ€Solidâ€State Lithiumâ€“Sulfur Batteries by Atomic Layer Deposition. Small, 2019, 15, e1903952.	10.0	62
27	Biomass-derived porous carbon electrodes for high-performance supercapacitors. Journal of Materials Science, 2020, 55, 5166-5176.	3.7	60
28	Superlithiated Polydopamine Derivative for High-Capacity and High-Rate Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 38101-38108.	8.0	59
29	Enhanced electrochemical performance of sulfur cathodes with a water-soluble binder. RSC Advances, 2015, 5, 13709-13714.	3.6	57
30	Enhanced Performance of Aqueous Sodiumâ€Ion Batteries Using Electrodes Based on the NaTi₂(PO₄)₃/MWNTsâ€“Na_{0.44}MnO₂ System. Energy Technology, 2014, 2, 705-712.	3.8	56
31	A two-step etching route to ultrathin carbon nanosheets for high performance electrical double layer capacitors. Nanoscale, 2016, 8, 11136-11142.	5.6	53
32	Selfâ€Sacrificial Templateâ€Directed Synthesis of Metalâ€“Organic Frameworkâ€Derived Porous Carbon for Energyâ€Storage Devices. ChemElectroChem, 2016, 3, 668-674.	3.4	52
33	Universal Access to Twoâ€Dimensional Mesoporous Heterostructures by Micelleâ€Directed Interfacial Assembly. Angewandte Chemie - International Edition, 2020, 59, 19570-19575.	13.8	52
34	Capacitance properties of graphite oxide/poly(3,4â€ethylene dioxythiophene) composites. Journal of Applied Polymer Science, 2011, 121, 892-898.	2.6	50
35	Nanospace-Confinement Copolymerization Strategy for Encapsulating Polymeric Sulfur into Porous Carbon for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2015, 7, 11165-11171.	8.0	49
36	Sandwich-Structured Ordered Mesoporous Polydopamine/MXene Hybrids as High-Performance Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 14993-15001.	8.0	48

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37	Selfâ€Templateâ€Directed Metalâ€“Organic Frameworks Network and the Derived Honeycombâ€Like Carbon Flakes via Confinement Pyrolysis. Small, 2018, 14, e1704461.	10.0	44
38	Enhanced Lithiumâ€Storage Performance from Threeâ€Dimensional MoS₂ Nanosheets/Carbon Nanotube Paper. ChemElectroChem, 2014, 1, 1118-1125.	3.4	43
39	Hierarchically Porous Multilayered Carbon Barriers for Highâ€Performance Liâ€“S Batteries. Chemistry - A European Journal, 2018, 24, 3768-3775.	3.3	43
40	Fabrication of a sandwich structured electrode for high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2013, 1, 14280.	10.3	40
41	One-step electrochemical composite polymerization of polypyrrole integrated with functionalized graphene/carbon nanotubes nanostructured composite film for electrochemical capacitors. Electrochimica Acta, 2012, 62, 132-139.	5.2	36
42	Nanoarchitectured porous carbons derived from ZIFs toward highly sensitive and selective QCM sensor for hazardous aromatic vapors. Journal of Hazardous Materials, 2021, 405, 124248.	12.4	36
43	Synthesis of hydrogenated TiO₂â€“reduced-graphene oxide nanocomposites and their application in high rate lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 9150-9155.	10.3	35
44	Nanospace-confined synthesis of oriented porous carbon nanosheets for high-performance electrical double layer capacitors. Journal of Materials Chemistry A, 2016, 4, 16879-16885.	10.3	33
45	Fabrication of the Oxygen Vacancy Amorphous MnO₂/Carbon Nanotube as Cathode for Advanced Aqueous Zincâ€Ion Batteries. Energy Technology, 2021, 9, 2000769.	3.8	33
46	Design of a Nitrogenâ€Doped, Carbonâ€Coated Li₄Ti₅O₁₂ Nanocomposite with a Coreâ€“Shell Structure and Its Application for Highâ€Rate Lithiumâ€Ion Batteries. ChemPlusChem, 2014, 79, 128-133.	2.8	32
47	Scalable synthesis of holey graphite nanosheets for supercapacitors with high volumetric capacitance. Nanoscale Horizons, 2019, 4, 526-530.	8.0	32
48	Highly Conductive and Lightweight Composite Film as Polysulfide Reservoir for Highâ€Performance Lithiumâ€“Sulfur Batteries. ChemElectroChem, 2017, 4, 362-368.	3.4	31
49	Confined Pyrolysis of ZIFâ€8 Polyhedrons Wrapped with Graphene Oxide Nanosheets to Prepare 3D Porous Carbon Heterostructures. Small Methods, 2019, 3, 1900277.	8.6	31
50	Charge Storage Mechanism of an Anthraquinone-Derived Porous Covalent Organic Framework with Multiredox Sites as Anode Material for Lithium-Ion Battery. ACS Applied Energy Materials, 2021, 4, 11377-11385.	5.1	31
51	Lithium-ion capacitor based on nanoarchitectured polydopamine/graphene composite anode and porous graphene cathode. Carbon, 2020, 167, 627-633.	10.3	29
52	Atomic Layer Deposition of Single Atomic Cobalt as a Catalytic Interlayer for Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 11206-11212.	5.1	25
53	Single Atomâ€Based Nanoarchitectured Electrodes for Highâ€Performance Lithiumâ€“Sulfur Batteries. Advanced Materials Interfaces, 2021, 8, 2002159.	3.7	22
54	MOF-derived hybrid nanoarchitectured carbons for gas discrimination of volatile aromatic hydrocarbons. Carbon, 2020, 168, 55-64.	10.3	20

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55	General Strategy to Fabricate Ternary Metal Nitride/Carbon Nanofibers for Supercapacitors. ChemElectroChem, 2015, 2, 2020-2026.	3.4	19
56	Ultra-thin, highly graphitized carbon nanosheets into three-dimensional interconnected framework utilizing a ball mill mixing of precursors. Chemical Engineering Journal, 2019, 374, 1214-1220.	12.7	18
57	Physical Expansion of Layered Graphene Oxide Nanosheets by Chemical Vapor Deposition of Metalâ€“Organic Frameworks and their Thermal Conversion into Nitrogenâ€Doped Porous Carbons for Supercapacitor Applications. ChemSusChem, 2020, 13, 1629-1636.	6.8	18
58	Universal Access to Twoâ€Dimensional Mesoporous Heterostructures by Micelleâ€Directed Interfacial Assembly. Angewandte Chemie, 2020, 132, 19738-19743.	2.0	18
59	A novel covalent organic framework with high-density imine groups for lithium storage as anode material in lithium-ion batteries. Journal of Materials Science, 2022, 57, 9980-9991.	3.7	18
60	Interconnected coreâ€“shell pyrolyzed polyacrylonitrile@sulfur/carbon nanocomposites for rechargeable lithiumâ€“sulfur batteries. New Journal of Chemistry, 2016, 40, 7680-7686.	2.8	17
61	Heteroatomâ€Doped Porous Carbon Nanosheets: General Preparation and Enhanced Capacitive Properties. Chemistry - A European Journal, 2016, 22, 16668-16674.	3.3	17
62	Facile Synthesis of Nitrogenâ€Containing Mesoporous Carbon for Highâ€Performance Energy Storage Applications. Chemistry - A European Journal, 2016, 22, 4256-4262.	3.3	17
63	Nitrogenâ€Doped Porous Carbon Nanospheres from Natural Sepia Ink: Easy Preparation and Extraordinary Capacitive Performance. ChemNanoMat, 2017, 3, 895-901.	2.8	17
64	Preparation and electrochemical performances of porous polypyrrole film by interfacial polymerization. Journal of Applied Polymer Science, 2013, 127, 2938-2944.	2.6	16
65	Effect of feeding ratios on the structure and electrochemical performance of graphite oxide/polypyrrole nanocomposites. Science Bulletin, 2011, 56, 2846-2852.	1.7	15
66	Enhancing the electrochemical performance of Li1.2Ni0.2Mn0.6O2 by surface modification with nickelâ€“manganese composite oxide. Journal of Solid State Electrochemistry, 2013, 17, 2087-2093.	2.5	15
67	Synthesis and electrochemical performances of mixed-valence vanadium oxide/ordered mesoporous carbon composites for supercapacitors. RSC Advances, 2016, 6, 25056-25061.	3.6	15
68	Confined Selfâ€Assembly in Twoâ€Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with Inâ€Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. Angewandte Chemie, 2018, 130, 2944-2948.	2.0	15
69	Gram-Scale Synthesis of Bimetallic ZIFs and Their Thermal Conversion to Nanoporous Carbon Materials. Nanomaterials, 2019, 9, 1796.	4.1	13
70	An in situ confinement strategy to porous poly(3,4-ethylenedioxythiophene)/sulfur composites for lithiumâ€“sulfur batteries. RSC Advances, 2016, 6, 47858-47863.	3.6	9
71	Compressed and Crumpled Porous Carbon Electrode for High Volumetric Performance Electrical Doubleâ€Layer Capacitors. Energy Technology, 2019, 7, 1900209.	3.8	9
72	Fabrication of a Covalent Triazine Framework Functional Interlayer for High-Performance Lithiumâ€“Sulfur Batteries. Nanomaterials, 2022, 12, 255.	4.1	7

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73	Titelbild: Confined Selfâ€Assembly in Twoâ€Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with Inâ€Plane Orderly Arranged Mesopores and a Highly Graphitized Framework (Angew. Chem. 11/2018). Angewandte Chemie, 2018, 130, 2777-2777.	2.0	2