

Designed formation of hollow particle-based nitrogen-doped high-performance supercapacitors

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Citation Report

#	ARTICLE	IF	CITATIONS
7	Nanoarchitecture of MOF-derived nanoporous functional composites for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15065-15072.	5.2	146
8	Synthesis-cum-assembly toward hierarchical nanoarchitectures. <i>Coordination Chemistry Reviews</i> , 2017, 352, 291-305.	9.5	6
9	All-solid-state flexible asymmetric supercapacitors with high energy and power densities based on NiCo ₂ S ₄ @MnS and active carbon. <i>Journal of Energy Chemistry</i> , 2017, 26, 1260-1266.	7.1	62
10	MXene/graphene hybrid fibers for high performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22113-22119.	5.2	347
11	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23085-23093.	5.2	158
12	Sensitive and Selective Differential Pulse Voltammetry Detection of Cd(II) and Pb(II) Using Nitrogen-Doped Porous Carbon Nanofiber Film Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, H967-H974.	1.3	12
13	ZnO quantum dot-decorated carbon nanofibers derived from electrospun ZIF-8/PVA nanofibers for high-performance energy storage electrodes. <i>Chemical Communications</i> , 2017, 53, 11441-11444.	2.2	37
14	Metal-Organic Frameworks and Their Composites: Synthesis and Electrochemical Applications. <i>Small Methods</i> , 2017, 1, 1700187.	4.6	163
15	<i>In situ</i> nitrogen-doped mesoporous carbon nanofibers as flexible freestanding electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23620-23627.	5.2	95
16	Hierarchical NiS/N-doped carbon composite hollow spheres with excellent supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21257-21265.	5.2	174
17	Highly porous nitrogen-doped carbon for superior electric double-layer capacitors. <i>RSC Advances</i> , 2017, 7, 44735-44742.	1.7	22
18	Metal-Organic-Framework-Based Materials as Platforms for Renewable Energy and Environmental Applications. <i>Joule</i> , 2017, 1, 77-107.	11.7	673
19	Anchoring Ultrafine ZnFe ₂ O ₄ /C Nanoparticles on 3D ZnFe ₂ O ₄ Nanoflakes for Boosting Cycle Stability and Energy Density of Flexible Asymmetric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26016-26028.	4.0	72
20	A nickel coordination supramolecular network synergized with nitrogen-doped graphene as an advanced cathode to significantly boost the rate capability and durability of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19036-19045.	5.2	18
21	A simple synthetic route of N-doped mesoporous carbon derived from casein extracted with cobalt ions for high rate performance supercapacitors. <i>Electrochimica Acta</i> , 2017, 250, 16-24.	2.6	14
22	Carbon-incorporated Janus-type Ni ₂ P/Ni hollow spheres for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19054-19061.	5.2	183
23	Orange Peel Derived Activated Carbon for Fabrication of High-Energy and High-Rate Supercapacitors. <i>ChemistrySelect</i> , 2017, 2, 11384-11392.	0.7	103
24	Tunable porous structure of carbon nanosheets derived from puffed rice for high energy density supercapacitors. <i>Journal of Power Sources</i> , 2017, 371, 148-155.	4.0	104

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25	Nitrogen Self-Doped Porous Carbon Materials Derived from a New Biomass Source for Highly Stable Supercapacitors. <i>International Journal of Electrochemical Science</i> , 2017, 12, 12084-12097.	0.5	12
26	Recent progress in carbon-based nanoarchitectures for advanced supercapacitors. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 32-55.	9.9	92
27	N,P,S-Codoped Hierarchically Porous Carbon Spheres with Well-Balanced Gravimetric/Volumetric Capacitance for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5265-5272.	3.2	120
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30	Nitrogen-doped bi-modal porous carbon nanostructure derived from glycine for supercapacitors. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 112-116.	2.9	8
31	Thermal Instability Induced Oriented 2D Pores for Enhanced Sodium Storage. <i>Small</i> , 2018, 14, e1800639.	5.2	46
32	N, S Co-doped hierarchical porous carbon rods derived from protic salt: Facile synthesis for high energy density supercapacitors. <i>Electrochimica Acta</i> , 2018, 274, 378-388.	2.6	105
33	Micro-/mesoporous carbon nanofibers embedded with ordered carbon for flexible supercapacitors. <i>Electrochimica Acta</i> , 2018, 271, 591-598.	2.6	70
34	Excellent electrochemical performance of graphene oxide based strontium sulfide nanorods for supercapacitor applications. <i>Electrochimica Acta</i> , 2018, 273, 136-144.	2.6	70
35	Nitrogen-Doped Porous Carbon Structure from Melamine-Assisted Polyimide Sheets for Supercapacitor Electrodes. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800007.	2.7	16
36	Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9153-9160.	5.2	90
37	Thin and Small N-Doped Carbon Boxes Obtained from Microporous Organic Networks and Their Excellent Energy Storage Performance at High Current Densities in Coin Cell Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3525-3532.	3.2	24
38	Battery-like Supercapacitors from Vertically Aligned Carbon Nanofiber Coated Diamond: Design and Demonstrator. <i>Advanced Energy Materials</i> , 2018, 8, 1702947.	10.2	70
39	Preparation of nitrogen-doped porous carbons for high-performance supercapacitor using biomass of waste lotus stems. <i>RSC Advances</i> , 2018, 8, 6806-6813.	1.7	42
40	Highly anisotropic, multichannel wood carbon with optimized heteroatom doping for supercapacitor and oxygen reduction reaction. <i>Carbon</i> , 2018, 130, 532-543.	5.4	164
41	Scalable 2D Hierarchical Porous Carbon Nanosheets for Flexible Supercapacitors with Ultrahigh Energy Density. <i>Advanced Materials</i> , 2018, 30, 1706054.	11.1	405
42	Sticky-note supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3355-3360.	5.2	28

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44	KOH activation of biomass-derived nitrogen-doped carbons for supercapacitor and electrocatalytic oxygen reduction. <i>Electrochimica Acta</i> , 2018, 261, 49-57.	2.6	345
45	Wearable Supercapacitors Printed on Garments. <i>Advanced Functional Materials</i> , 2018, 28, 1705571.	7.8	62
46	A review: Conventional and supercritical hydro/solvothermal synthesis of ultrafine particles as cathode in lithium battery. <i>Ceramics International</i> , 2018, 44, 4521-4537.	2.3	54
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50	Co-doped Ni ₃ S ₂ @CNT arrays anchored on graphite foam with a hierarchical conductive network for high-performance supercapacitors and hydrogen evolution electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10490-10496.	5.2	93
51	Selective voltammetric determination of Cd(II) by using N,S-codoped porous carbon nanofibers. <i>Mikrochimica Acta</i> , 2018, 185, 282.	2.5	23
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59	Fe(CN) ₆ ³⁻ ion-modified MnO ₂ /graphene nanoribbons enabling high energy density asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7649-7658.	5.2	60
60	Vertically Aligned Heteroatom Doped Carbon Nanosheets from Unzipped Self-Doped Carbon Tubes for High Performance Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6042-6051.	3.2	18

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62	Facile one-pot hydrothermal synthesis of particle-based nitrogen-doped carbon spheres and their supercapacitor performance. <i>New Journal of Chemistry</i> , 2018, 42, 6903-6909.	1.4	26
63	A strategy for highly dispersed Mo ₂ C/MoN hybrid nitrogen-doped graphene via ion-exchange resin synthesis for efficient electrocatalytic hydrogen reduction. <i>Nano Research</i> , 2018, 11, 4535-4548.	5.8	51
64	Plumage-like MnO ₂ @NiCo ₂ O ₄ core-shell architectures for high-efficiency energy storage: the synergistic effect of ultralong MnO ₂ scaffold and ultrathin NiCo ₂ O ₄ fluff. <i>Ionics</i> , 2018, 24, 3227-3235.	1.2	4
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80	Synthesis of coaxial carbon@NiMoO ₄ composite nanofibers for supercapacitor electrodes. <i>RSC Advances</i> , 2018, 8, 32979-32984.	1.7	19
81	Advanced metal-organic frameworks (MOFs) and their derived electrode materials for supercapacitors. <i>Journal of Power Sources</i> , 2018, 402, 281-295.	4.0	160
82	Free-standing Electrodes Derived from Metal-Organic Frameworks/ Nanofibers Hybrids for Membrane Capacitive Deionization. <i>Advanced Materials Technologies</i> , 2018, 3, 1800135.	3.0	41
83	Asphaltene-Based Porous Carbon Nanosheet as Electrode for Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15708-15719.	3.2	113
84	High-Performance Fiber-Shaped Flexible Asymmetric Microsupercapacitor Based on Ni(OH) ₂ Nanoparticles-Decorated Porous Dendritic Ni-Cu Film/Cu Wire and Reduced Graphene Oxide/Carbon Fiber Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14574-14588.	3.2	44
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98	A biomass-derived nitrogen-doped porous carbon for high-energy supercapacitor. <i>Carbon</i> , 2018, 140, 404-412.	5.4	102
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102	Three-dimensional interconnected nitrogen-doped mesoporous carbons as active electrode materials for application in electrocatalytic oxygen reduction and supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 230-240.	5.0	56
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104	Electrochemical Double-Layer Capacitor Energized by Adding an Ambipolar Organic Redox Radical into the Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8214-8218.	7.2	59
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108	Facile preparation of nitrogen-enriched hierarchical porous carbon nanofibers by Mg(OAc) ₂ -assisted electrospinning for flexible supercapacitors. <i>Applied Surface Science</i> , 2018, 456, 827-834.	3.1	29
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112	Excellent electrochemical behavior of graphene oxide based aluminum sulfide nanowalls for supercapacitor applications. <i>Energy</i> , 2018, 159, 151-159.	4.5	36
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117	Synthesis of bimetallic Ni _x Co _{1-x} P hollow nanocages from metal-organic frameworks for high performance hybrid supercapacitors. Electrochimica Acta, 2018, 285, 192-201.	2.6	67
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121	Metal-organic coordination polymer/multi-walled carbon nanotubes composites to prepare N-doped hierarchical porous carbon for high performance supercapacitors. Electrochimica Acta, 2018, 284, 69-79.	2.6	23
122	Facile synthesis of 2D nitrogen-containing porous carbon nanosheets induced by graphene oxide for high-performance supercapacitors. Sustainable Energy and Fuels, 2018, 2, 2494-2501.	2.5	6
123	Coaxial \pm -MnSe@N-doped carbon double nanotubes as superior anode materials in Li/Na-ion half/full batteries. Journal of Materials Chemistry A, 2018, 6, 15797-15806.	5.2	65
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134	Isostatic pressure-assisted nanocasting preparation of zeolite templated carbon for high-performance and ultrahigh rate capability supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18938-18947.	5.2	14
135	Nitrogen-doped ZnO/Carbon hollow rhombic dodecahedral for photoelectrochemical sensing glutathione. <i>Applied Surface Science</i> , 2018, 458, 872-879.	3.1	17
136	Nitrogen Codoped Unique Carbon with 0.4 nm Ultra-Micropores for Ultrahigh Areal Capacitance Supercapacitors. <i>Small</i> , 2018, 14, e1801897.	5.2	40
137	Designed synthesis of SiC nanowire-derived carbon with dual-scale nanostructures for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12724-12732.	5.2	49
138	Effect of Graphene Oxide Thin Film on Growth and Electrochemical Performance of Hierarchical Zinc Sulfide Nanoweb for Supercapacitor Applications. <i>ChemElectroChem</i> , 2018, 5, 2636-2644.	1.7	26
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140	Organic Nanostructures on Inorganic Ones: An Efficient Electrochromic Display by Design. <i>ACS Applied Nano Materials</i> , 2018, 1, 3715-3723.	2.4	37
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144	A high performance all-organic thermoelectric fiber generator towards promising wearable electron. <i>Composites Science and Technology</i> , 2019, 182, 107767.	3.8	70
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147	Construction of CoO/Co-Cu Hierarchical Tubular Heterostructures for Hybrid Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15441-15447.	7.2	346
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153	Self-activation of nitrogen and sulfur dual-doping hierarchical porous carbons for asymmetric supercapacitors with high energy densities. <i>Carbon</i> , 2019, 153, 225-233.	5.4	98
154	Nanostructured Electrode Materials for Advanced Sodium-Ion Batteries. <i>Matter</i> , 2019, 1, 90-114.	5.0	266
155	N,P co-doped hollow carbon nanofiber membranes with superior mass transfer property for trifunctional metal-free electrocatalysis. <i>Nano Energy</i> , 2019, 64, 103879.	8.2	110
156	Carbon Nanofiber-Based Functional Nanomaterials for Sensor Applications. <i>Nanomaterials</i> , 2019, 9, 1045.	1.9	103
157	Unveiling highly ambient-stable multilayered 1T-MoS ₂ towards all-solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19152-19160.	5.2	71
158	Polyacrylonitrile-Based Nitrogen-Doped Carbon Materials with Different Micro-morphology Prepared by Electrostatic Field for Supercapacitors. <i>Journal of Electronic Materials</i> , 2019, 48, 5264-5272.	1.0	6
159	Heterogeneous Contraction-Mediated Asymmetric Carbon Colloids. , 2019, 1, 290-296.		20
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161	Hierarchically Porous Nanostructured Nickel Phosphide with Carbon Particles Embedded by Dielectric Barrier Discharge Plasma Deposition as a Binder-Free Electrode for Hybrid Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14805-14814.	3.2	24
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164	Fabrication and electrochemical properties of well-dispersed molybdenum oxide nanoparticles into nitrogen-doped ordered mesoporous carbons for supercapacitors. <i>Materials Research Express</i> , 2019, 6, 105088.	0.8	3
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183	Significantly enhanced dielectric and energy storage properties of plate-like BN@BaTiO ₃ composite nanofibers filled polyimide films. <i>Materials Research Bulletin</i> , 2019, 120, 110573.	2.7	21
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208	One-step synthesis of N, S-codoped porous graphitic carbon derived from lotus leaves for high-performance supercapacitors. <i>Ionics</i> , 2019, 25, 4891-4903.	1.2	17
209	Synthesis of Diverse Green Carbon Nanomaterials through Fully Utilizing Biomass Carbon Source Assisted by KOH. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24205-24211.	4.0	42
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244	Mesoporous CoSe ₂ nanoclusters threaded with nitrogen-doped carbon nanotubes for high-performance sodium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2019, 370, 1008-1018.	6.6	131
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266	Nitrogen-Doped Carbon Polyhedra Nanopapers: An Advanced Binder-Free Electrode for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5240-5248.	3.2	30
267	A confinement strategy to prepare N-doped reduced graphene oxide foams with desired monolithic structures for supercapacitors. <i>Nanoscale</i> , 2019, 11, 4362-4368.	2.8	25
268	Low-temperature fabrication of carbon nanofibers with improved graphitization via incorporating carbonaceous inclusions. <i>Polyhedron</i> , 2019, 164, 13-16.	1.0	4
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278	Engineering MoS ₂ Nanosheets Anchored on Metal Organic Frameworks Derived Carbon Polyhedra for Superior Lithium and Potassium Storage. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	18
279	Cobalt nanoparticles embedded nitrogen-doped porous graphitized carbon composites with enhanced microwave absorption performance. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 297-303.	5.0	39
280	Prussian blue analogues derived iron-cobalt alloy embedded in nitrogen-doped porous carbon nanofibers for efficient oxygen reduction reaction in both alkaline and acidic solutions. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 578-587.	5.0	63
281	Synthesis and characterization of carbon supported V ₂ O ₅ nanotubes and their electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2019, 772, 429-437.	2.8	9
282	Nickel nanoparticles incorporated into N-doped porous carbon derived from N-containing nickel-MOF for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 782, 905-914.	2.8	27
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291	Metal-Organic Gel-Derived Fe _x O _y /Nitrogen-Doped Carbon Films for Enhanced Lithium Storage. <i>Small</i> , 2019, 15, e1804058.	5.2	31
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293	N-doped porous carbon derived from walnut shells with enhanced electrochemical performance for supercapacitor. <i>Functional Materials Letters</i> , 2019, 12, 1950042.	0.7	16
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296	Engineering nanoaired 3D cobalt hydroxide wheels in electrospun carbon nanofibers for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 361, 1225-1234.	6.6	50
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298	Design and synthesis of mint leaf-like polyacrylonitrile and carbon nanosheets for flexible all-solid-state asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 362, 600-608.	6.6	16
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350	Supersonically sprayed rGO/ZIF8 on nickel nanocone substrate for highly stable supercapacitor electrodes. <i>Electrochimica Acta</i> , 2020, 362, 137154.	2.6	20
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354	Design of compressible and elastic N-doped porous carbon nanofiber aerogels as binder-free supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17257-17265.	5.2	61
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390	Nitrogen-doped microporous carbon coated on carbon nanotubes for high performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110300.	2.2	23
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404	Co nanoparticles combined with nitrogen-doped graphitic carbon anchored on carbon fibers as a self-standing air electrode for flexible zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7184-7191.	5.2	28
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410	Perspective on High-Energy Carbon-Based Supercapacitors. <i>Energy and Environmental Materials</i> , 2020, 3, 286-305.	7.3	124
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