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Templated mesoporous carbons for supercapacitor application

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#	Paper	IF	Citations
378	High-Rate Capability of Supercapacitors Based on Tannin-Derived Ordered Mesoporous Carbons.		
377	Analytical Interfacial Layer Model for the Capacitance and Electrokinetics of Charged Aqueous Interfaces.		
376	Self-Templated Synthesis of Hierarchically Porous NDoped Carbon Derived from Biomass for Supercapacitors.		
375	Synthesis of mesoporous carbon as electrode material for supercapacitor by modified template method. <b>2005</b> , 12, 647-652		5
374	Chapter 6 Application of nanotextured carbons for supercapacitors and hydrogen storage. <b>2006</b> , 7, 293-343		9
373	Use of Poly(furfuryl alcohol) in the Fabrication of Nanostructured Carbons and Nanocomposites. <b>2006</b> , 45, 6393-6404		102
372	Optimisation of supercapacitors using carbons with controlled nanotexture and nitrogen content. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 2209-2214	6.7	273
371	Hydrothermal synthesis of binary RuTi oxides with excellent performances for supercapacitors. <i>Electrochimica Acta</i> , <b>2006</b> , 52, 1749-1757	6.7	36
370	Synthesis of nanoporous carbon: An in situ template approach. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 94, 122-126	5.3	2
369	Preparation, structural characterization, and electrochemical properties of chemically modified mesoporous carbon. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 96, 357-362	5.3	118
368	High-performance supercapacitors of hydrous ruthenium oxide/mesoporous carbon composites. <b>2006</b> , 11, 283-290		16
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209	Ordered multimodal porous carbon with hierarchical nanostructure as high performance electrode material for supercapacitors. <i>RSC Advances</i> , <b>2014</b> , 4, 38931-38938	3.7	11
208	Tailoring porosity in carbon materials for supercapacitor applications. <b>2014</b> , 1, 157-168		235
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205	Preparation of energy storage material derived from a used cigarette filter for a supercapacitor electrode. <i>Nanotechnology</i> , <b>2014</b> , 25, 345601	3.4	85
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198	Preparation of Oxygen-enriched Activated Carbons from Coal-based Humic Acids by Zinc Chloride Activation. <b>2015</b> , 11, 439-446		2
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195	One-Dimensional Vanadium Nitride Nanofibers Fabricated by Electrospinning for Supercapacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 173, 680-686	6.7	55
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192	Hierarchical microporous/mesoporous carbon nanosheets for high-performance supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 4344-53	9.5	187
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190	A new approach for the improved interpretation of capacitance measurements for materials utilised in energy storage. <i>RSC Advances</i> , <b>2015</b> , 5, 12782-12791	3.7	64
189	Preparation of Nitrogen and Sulfur dual-doped Mesoporous Carbon for Supercapacitor Electrodes with Long Cycle Stability. <i>Electrochimica Acta</i> , <b>2015</b> , 177, 327-334	6.7	53
188	Synthesis and supercapacitive performance of three-dimensional cubic-ordered mesoporous carbons. <i>Electrochimica Acta</i> , <b>2015</b> , 163, 223-231	6.7	22
187	Supercapacitors with graphene oxide separators and reduced graphite oxide electrodes. <i>Journal of Power Sources</i> , <b>2015</b> , 279, 722-730	8.9	46
186	Preparation of Nanostructural Carbon Nanofibers and Their Electrochemical Performance for Supercapacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 183, 85-93	6.7	59
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184	Electrospun porous carbon nanofibers as lithium ion battery anodes. <b>2015</b> , 19, 3401-3410		48
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180	Synthesis and electrochemical properties of hierarchically porous Fe <sub>2</sub> O <sub>3</sub> . <b>2015</b> , 51, 299-304		4
179	Recent advancement of nanostructured carbon for energy applications. <i>Chemical Reviews</i> , <b>2015</b> , 115, 5159-223	68.1	598
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175	Macroporous carbon from human hair: A journey towards the fabrication of high energy Li-ion capacitors. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 474-481	6.7	37
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170	Functional materials from cellulose-derived liquid-crystal templates. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2888-910	16.4	269
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168	Influence of gamma irradiation exposure on the performance of supercapacitor electrodes made from oil palm empty fruit bunches. <b>2015</b> , 79, 183-194		41
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157	Nitrogen-doped carbon nanofoam derived from amino acid chelate complex for supercapacitor applications. <i>Journal of Power Sources</i> , <b>2016</b> , 316, 60-71	8.9	33
156	Pore size-controlled carbon aerogels for EDLC electrodes in organic electrolytes. <b>2016</b> , 16, 665-672		30
155	Three-Dimensional Network of N-Doped Carbon Ultrathin Nanosheets with Closely Packed Mesopores: Controllable Synthesis and Application in Electrochemical Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11720-8	9.5	79
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151	The electromagnetic property and microwave absorption of wormhole-like mesoporous carbons with different surface areas. <b>2016</b> , 51, 9723-9731		16
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147	Templated mesoporous carbons: Synthesis and applications. <i>Carbon</i> , <b>2016</b> , 107, 448-473	10.4	163
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145	Unconventional supercapacitors from nanocarbon-based electrode materials to device configurations. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 4340-63	58.5	396
144	Mesoporous MoS <sub>2</sub> as a Transition Metal Dichalcogenide Exhibiting Pseudocapacitive Li and Na-Ion Charge Storage. <b>2016</b> , 6, 1501937		332
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133	Controllable synthesis of NiCoMn multi-component metal oxides with various morphologies for high-performance flexible supercapacitors. <i>RSC Advances</i> , <b>2017</b> , 7, 24353-24358	3.7	34
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129	Relationships between pore size and charge transfer resistance of carbon aerogels for organic electric double-layer capacitor electrodes. <i>Electrochimica Acta</i> , <b>2017</b> , 223, 21-30	6.7	81
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126	Metal-free current collectors based on graphene materials for supecapacitors produced by 3D printing. <b>2017</b> , 91, 1966-1970		4
125	Tremella derived ultrahigh specific surface area activated carbon for high performance supercapacitor. <b>2017</b> , 201, 399-407		48
124	The ideal porous structure of EDLC carbon electrodes with extremely high capacitance. <b>2017</b> , 9, 15643-15649		44
123	Tailoring pseudocapacitive materials from a mechanistic perspective. <b>2017</b> , 6, 211-229		86
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121	High rate performance carbon nano-cages with oxygen-containing functional groups as supercapacitor electrode materials. <i>Carbon</i> , <b>2017</b> , 111, 207-214	10.4	67
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117	Low temperature preparation of pore structure controllable graphene for high volumetric performance supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 273, 181-190	6.7	13
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110	Electrochemical frequency modulation (EFM) technique: Theory and recent practical applications in corrosion research. <b>2018</b> , 249, 83-96		58

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106	Design and Mechanisms of Asymmetric Supercapacitors. <i>Chemical Reviews</i> , <b>2018</b> , 118, 9233-9280	68.1	1396
105	Extraordinary supercapacitance in activated carbon produced via a sustainable approach. <i>Journal of Power Sources</i> , <b>2018</b> , 394, 140-147	8.9	20
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99	Effect of oxygen substitution and phase on nickel selenide nanostructures for supercapacitor applications. <b>2018</b> , 5, 105504		13
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97	Synthesis of Nanoporous Carbon and Their Application to Fuel Cell and Capacitor. <b>2019</b> , 135-158		
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82	Tailoring the porosity of a mesoporous carbon by a solvent-free mechanochemical approach. <i>Carbon</i> , <b>2019</b> , 147, 43-50	10.4	12
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61	The use of activated carbon from coffee endocarp for the manufacture of supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 7547-7554	2.1	6
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