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From coconut shell to porous graphene-like nanosheets for high-power supercapacitors

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700	Facile Synthesis of Poly(p-phenylenediamine)-Derived Three-Dimensional Porous Nitrogen-Doped Carbon Networks for High Performance Supercapacitors. <b>2014</b> , 118, 29507-29516		62
699	Nitrogen-doped porous graphitic carbon as an excellent electrode material for advanced supercapacitors. <b>2014</b> , 20, 564-74		333
698	Energy storage applications of activated carbons: supercapacitors and hydrogen storage. <b>2014</b> , 7, 1250-1280		987
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696	Exploring the active sites of nitrogen-doped graphene as catalysts for the oxygen reduction reaction. <b>2014</b> , 39, 15996-16005		133
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529	Improving rate capability of lithium-ion batteries using holey graphene as the anode material. <b>2017</b> , 80, 511-517	19
528	Cost-Effective Asymmetric Supercapacitors Based on Nickel Cobalt Oxide Nanoarrays and Biowaste-Derived Porous Carbon Electrodes. <b>2017</b> , 5, 9903-9913	23
527	Black aspergillus-derived highly porous carbon fibers for capacitive applications. <b>2017</b> , 28, 17592-17600	7
526	Fabrication of Hierarchical Porous Carbon Nanoflakes for High-Performance Supercapacitors. <b>2017</b> , 9, 34944-34953	57
525	Composites of hierarchical metal-organic framework derived nitrogen-doped porous carbon and interpenetrating 3D hollow carbon spheres from lotus pollen for high-performance supercapacitors. <b>2017</b> , 41, 12835-12842	15
524	Hierarchical nitrogen-doped porous carbon derived from lecithin for high-performance supercapacitors. <b>2017</b> , 7, 42430-42442	42
523	Recent developments of post-modification of biochar for electrochemical energy storage. <b>2017</b> , 246, 224-233	97
522	Large-size graphene-like porous carbon nanosheets with controllable N-doped surface derived from sugarcane bagasse pith/chitosan for high performance supercapacitors. <b>2017</b> , 123, 290-298	110
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518	Living Fe mineral@bacteria encrustation-derived and self-templated preparation of a mesoporous Fe-N-C electrocatalyst with high activity for oxygen reduction. <b>2017</b> , 123, 481-491	31
517	Hierarchical metal-organic framework derived nitrogen-doped porous carbon/graphene composite for high performance supercapacitors. <b>2017</b> , 248, 215-224	34
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514	Orange Peel Derived Activated Carbon for Fabrication of High-Energy and High-Rate Supercapacitors. <b>2017</b> , 2, 11384-11392	64
513	Porous Carbon Nanosheets with Abundant Oxygen Functionalities Derived from Phoenix Seeds for High-Performance Supercapacitor. <b>2017</b> , 2, 10704-10708	9

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511	Analysis of graphene-like activated carbon derived from rice straw for application in supercapacitor. <b>2017</b> , 28, 2290-2294		35
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509	Graphene and graphene-like materials in biomass conversion: paving the way to the future. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 25131-25143	13	50
508	Study of micro/macro ordered porous carbon with olive-shaped structure derived from <i>Cladophora glomerata</i> macroalgae as efficient working electrodes of supercapacitors. <b>2017</b> , 107, 287-298		58
507	Electrocapacitive properties of nitrogen-containing porous carbon derived from cellulose. <b>2017</b> , 360, 634-641		27
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505	Template-free synthesis of ultrathin porous carbon shell with excellent conductivity for high-rate supercapacitors. <b>2017</b> , 111, 419-427		210
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503	Biomass-derived interconnected carbon nanoring electrochemical capacitors with high performance in both strongly acidic and alkaline electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 181-188	13	105
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497	Biomass derived nitrogen-doped hierarchical porous carbon sheets for supercapacitors with high performance. <b>2018</b> , 523, 133-143		107
496	One-step production of O-N-S co-doped three-dimensional hierarchical porous carbons for high-performance supercapacitors. <b>2018</b> , 47, 547-555		374
495	Fabrication of carbon nanospheres using natural resources and their voltametric studies of dopamine. <b>2018</b> , 5, 3093-3098		4

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493	Preparation of Low-Dimensional Carbon Nanomaterials and Its Improvement of Visible Light Activity. <b>2018</b> , 139-149	
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460	From biomass wastes to vertically aligned graphene nanosheet arrays: A catalyst-free synthetic strategy towards high-quality graphene for electrochemical energy storage. <b>2018</b> , 336, 550-561	78
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449	Rose-derived 3D carbon nanosheets for high cyclability and extended voltage supercapacitors. <b>2018</b> , 291, 287-296	62
448	Synthesis and Supercapacitance of Co <sub>3</sub> O <sub>4</sub> Supported on Porous Carbon Derived from Wheat Flour. <b>2018</b> , 7, M161-M165	5
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433	Scalable cellulose-sponsored functionalized carbon nanorods induced by cobalt for efficient overall water splitting. <b>2018</b> , 137, 274-281		38
432	Large-scale synthesis of porous carbon via one-step CuCl <sub>2</sub> activation of rape pollen for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12046-12055	13	85
431	Coupled ultrasonication-milling synthesis of hierarchically porous carbon for high-performance supercapacitor. <b>2018</b> , 528, 208-224		17
430	Electrospun N-Doped Hierarchical Porous Carbon Nanofiber with Improved Degree of Graphitization for High-Performance Lithium Ion Capacitor. <b>2018</b> , 24, 10460-10467		43
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428	Characteristics and toxic dye adsorption of magnetic activated carbon prepared from biomass waste by modified one-step synthesis. <b>2018</b> , 555, 43-54		60
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426	Porous NiCoP nanosheets as efficient and stable positive electrodes for advanced asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17905-17914	13	133
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419	Surface modification of biomass-derived hard carbon by grafting porous carbon nanosheets for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15954-15960	13	159
418	Cellulose-derived hierarchical porous carbon for high-performance flexible supercapacitors. <b>2018</b> , 140, 139-147		59
417	Recent advancements in supercapacitor technology. <b>2018</b> , 52, 441-473		729
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415	Nitrogen-Doped Hierarchical Porous Carbon through One-Step Activation of Bean Curd for High-Performance Supercapacitor Electrode. <b>2018</b> , 5, 1606-1614		26
414	Aqueous supercapacitors based on carbonized silk electrodes.. <b>2018</b> , 8, 22146-22153		13
413	Nitrogen-doped porous carbons with ultrahigh specific surface area as bifunctional materials for dye removal of wastewater and supercapacitors. <b>2018</b> , 456, 184-194		28
412	Enhanced electrochemical performance of porous Co-doped TiO <sub>2</sub> nanomaterials prepared by a solvothermal method. <b>2019</b> , 273, 148-155		71
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390	Aromatic Polyimides Containing Diaminobenzoic Acid as in Situ Porogen for Electrochemical Supercapacitors. <b>2019</b> , 1, 3203-3209	5
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364	Black titania nanotubes/spongy graphene nanocomposites for high-performance supercapacitors.. <b>2019</b> , 9, 12555-12566	19
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354	A simple route for hierarchically porous carbon derived from corn straw for supercapacitor application. <b>2019</b> , 11, 024102	5
353	Waste fruit grain orange-derived 3D hierarchically porous carbon for high-performance all-solid-state supercapacitor. <b>2019</b> , 25, 3935-3944	12
352	Carbons from Biomass for Electrochemical Capacitors. <b>2019</b> , 153-184	2
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347	A confined space pyrolysis strategy for controlling the structure of hollow mesoporous carbon spheres with high supercapacitor performance. <b>2019</b> , 11, 4453-4462	24
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343	Porous Graphene-like Carbon from Fast Catalytic Decomposition of Biomass for Energy Storage Applications. <b>2019</b> , 4, 21446-21458	10
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341	Biomass waste-carbon/reduced graphene oxide composite electrodes for enhanced supercapacitors. <b>2019</b> , 298, 910-917	39
340	Robust, Environmentally Benign Synthesis of Nanoporous Graphene Sheets from Biowaste for Ultrafast Supercapacitor Application. <b>2019</b> , 7, 2516-2529	49
339	Synthesis of Ultrahigh Surface Area of Nitrogen-Doped Porous Carbon Materials from Alginic-Based Protic Polyanion Ionic Liquids for High-Performance Supercapacitors. <b>2019</b> , 7, 1800734	7
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335	An efficient binder-free electrode with multiple carbonized channels wrapped by NiCo <sub>2</sub> O <sub>4</sub> nanosheets for high-performance capacitive energy storage. <b>2019</b> , 410-411, 179-187	116
334	Supercapacitor Energy Storage Device Using Biowastes: A Sustainable Approach to Green Energy. <b>2019</b> , 11, 414	82
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325	From biological waste to honeycomb-like porous carbon for high energy density supercapacitor. <b>2019</b> , 54, 4917-4927	19
324	Enhancement in electrochemical performance of nitrogen-doped hierarchical porous carbon-based supercapacitor by optimizing activation temperature. <b>2019</b> , 30, 2600-2609	7
323	Low-temperature SCR of NO with NH <sub>3</sub> over biomass char supported highly dispersed Mn Ce mixed oxides. <b>2019</b> , 92, 883-891	30
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318	A novel graphene aerogel synthesized from cellulose with high performance for removing MB in water. <b>2020</b> , 41, 68-75	19
317	Mesoporous graphene nanoflakes for high performance supercapacitors with ionic liquid electrolyte. <b>2020</b> , 294, 109851	23
316	Electrochemical and theoretical study of novel functional porous graphene aerogel-supported Sm <sub>2</sub> O <sub>3</sub> nanoparticles for supercapacitor applications. <b>2020</b> , 24, 571-582	9
315	N-doped hollow mesoporous carbon spheres prepared by polybenzoxazines precursor for energy storage. <b>2020</b> , 160, 265-272	34

3 <sup>14</sup>	Facile synthesis of high nitrogen-doped content, mesopore-dominated biomass-derived hierarchical porous graphitic carbon for high performance supercapacitors. <b>2020</b> , 334, 135615	33	
3 <sup>13</sup>	Co-assembly strategy for uniform and tunable hollow carbon spheres with supercapacitor application. <b>2020</b> , 565, 245-253	17	
3 <sup>12</sup>	High-efficiency removal of Cr(VI) by modified biochar derived from glue residue. <b>2020</b> , 254, 119935	40	
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3 <sup>10</sup>	Elaeocarpus tectorius derived phosphorus-doped carbon as an electrode material for an asymmetric supercapacitor. <b>2020</b> , 44, 181-193	22	
3 <sup>09</sup>	The synthesis and performance analysis of various biomass-based carbon materials for electric double-layer capacitors: A review. <b>2020</b> , 44, 2426-2454	16	
3 <sup>08</sup>	Graphene-like carbon nanosheets grown over alkali-earth metal oxides: Effects of chemical composition and physico-chemical properties. <b>2020</b> , 159, 378-389	13	
3 <sup>07</sup>	Facile fabrication of mesoporous carbon from mixed polymer precursor of PVDF and PTFE for high-power supercapacitors. <b>2020</b> , 159, 283-291	20	
3 <sup>06</sup>	Nano-porous carbon materials derived from different biomasses for high performance supercapacitors. <b>2020</b> , 46, 5811-5820	20	
3 <sup>05</sup>	Holey graphene: an emerging versatile material. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 918-977	13	36
3 <sup>04</sup>	A Comparative Investigation on Lithium Storage Performance of Carbon Microsphere Originated from Agriculture Bio-waste Materials: Sunflower Stalk and Walnut Shell. <b>2020</b> , 11, 6981-6992	4	
3 <sup>03</sup>	Jute sticks derived novel graphitic porous carbon nanosheets as Li-ion battery anode material with superior electrochemical properties. <b>2020</b> , 44, 2289-2297	16	
3 <sup>02</sup>	N, S co-doped biomass derived carbon with sheet-like microstructures for supercapacitors. <b>2020</b> , 331, 135348	56	
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3 <sup>00</sup>	Synthesis of Carbon Nanomaterials from Biomass Utilizing Ionic Liquids for Potential Application in Solar Energy Conversion and Storage. <b>2020</b> , 13,	5	
2 <sup>99</sup>	The effect of cationic CTAB surfactants on the performance of graphene electrode for supercapacitor. <b>2020</b> , 823, 012038	1	
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2 <sup>97</sup>	Electrochemical energy storage electrodes from fruit biochar. <b>2020</b> , 284, 102263	13	



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279	PANI/Graphene quantum dots/graphene co-coated compressed non-woven towel for wearable energy storage. <b>2020</b> , 270, 116571	4

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