

All-wood, low tortuosity, aqueous, biodegradable super
capacitance

Energy and Environmental Science

10, 538-545

DOI: 10.1039/c6ee03716j

Citation Report

#	ARTICLE	IF	CITATIONS
1	Granadilla-Inspired Structure Design for Conversion/Alloy-Reaction Electrode with Integrated Lithium Storage Behaviors. ACS Applied Materials & Interfaces, 2017, 9, 15470-15476.	8.0	11
2	A Metal-Free and Biotically Degradable Battery for Portable Single-Use Applications. Advanced Energy Materials, 2017, 7, 1700275.	19.5	64
3	Scalable, anisotropic transparent paper directly from wood for light management in solar cells. Nano Energy, 2017, 36, 366-373.	16.0	117
4	Enabling High-Areal-Capacity Lithium-Sulfur Batteries: Designing Anisotropic and Low-Tortuosity Porous Architectures. ACS Nano, 2017, 11, 4801-4807.	14.6	151
5	Highly Conductive, Lightweight, Low-Tortuosity Carbon Frameworks as Ultrathick 3D Current Collectors. Advanced Energy Materials, 2017, 7, 1700595.	19.5	210
6	Porous carbon derived from Ailanthus altissima with unique honeycomb-like microstructure for high-performance supercapacitors. New Journal of Chemistry, 2017, 41, 4281-4285.	2.8	37
7	An in situ grown bacterial nanocellulose/graphene oxide composite for flexible supercapacitors. Journal of Materials Chemistry A, 2017, 5, 13976-13982.	10.3	53
8	Nitrogen-rich hard carbon as a highly durable anode for high-power potassium-ion batteries. Energy Storage Materials, 2017, 8, 161-168.	18.0	408
9	Poly(p-phenylene)-based membrane materials with excellent cell efficiencies and durability for use in vanadium redox flow batteries. Journal of Materials Chemistry A, 2017, 5, 12285-12296.	10.3	41
10	High Performance, Flexible, Solid-State Supercapacitors Based on a Renewable and Biodegradable Mesoporous Cellulose Membrane. Advanced Energy Materials, 2017, 7, 1700739.	19.5	202
11	Co ₃ O ₄ nanoneedle@electroactive nickel boride membrane core/shell arrays: A novel hybrid for enhanced capacity. Electrochimica Acta, 2017, 246, 226-233.	5.2	27
12	Highly Flexible and Efficient Solar Steam Generation Device. Advanced Materials, 2017, 29, 1701756.	21.0	584
13	Self-Assembly Approach for Synthesis of Nanotubular Molybdenum Trioxide/Titania Composite Anode for Lithium-Ion Batteries. Energy Technology, 2017, 5, 2015-2025.	3.8	20
14	Phase control of TiO ₂ nanobelts by microwave irradiation as anode materials with tunable Li-diffusion kinetics. Materials Research Bulletin, 2017, 96, 365-371.	5.2	14
15	Ternary Ni-Co-F Nanocrystal-Based Supercapacitors. Chemistry - A European Journal, 2017, 23, 6896-6904.	3.3	36
16	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. Journal of Materials Chemistry A, 2017, 5, 23085-23093.	10.3	158
17	In situ encapsulated Fe ₃ O ₄ nanosheet arrays with graphene layers as an anode for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 24594-24601.	10.3	105
18	Tremella derived ultrahigh specific surface area activated carbon for high performance supercapacitor. Materials Chemistry and Physics, 2017, 201, 399-407.	4.0	61

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19	Mass Production and Pore Size Control of Holey Carbon Microcages. <i>Angewandte Chemie</i> , 2017, 129, 13978-13982.	2.0	8
20	Mass Production and Pore Size Control of Holey Carbon Microcages. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13790-13794.	13.8	39
21	Evaluation of Redox Chemistries for Single-Use Biodegradable Capillary Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2448-A2456.	2.9	19
22	Revitalizing carbon supercapacitor electrodes with hierarchical porous structures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17705-17733.	10.3	464
23	A conductive wood membrane anode improves effluent quality of microbial fuel cells. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 940-946.	2.4	19
24	Wood-based straightway channel structure for high performance microwave absorption. <i>Carbon</i> , 2017, 124, 492-498.	10.3	178
25	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.	10.3	18
26	Natural sliced wood veneer as a universal porous lightweight substrate for supercapacitor electrode materials. <i>RSC Advances</i> , 2017, 7, 54806-54812.	3.6	35
27	Rich Mesostructures Derived from Natural Woods for Solar Steam Generation. <i>Joule</i> , 2017, 1, 588-599.	24.0	363
28	Heavy Metal-Free Tannin from Bark for Sustainable Energy Storage. <i>Nano Letters</i> , 2017, 17, 7897-7907.	9.1	46
29	Bio-inspired high-performance solid-state supercapacitors with the electrolyte, separator, binder and electrodes entirely from <i>kelp</i> . <i>Journal of Materials Chemistry A</i> , 2017, 5, 25282-25292.	10.3	85
30	Ultra-facile fabrication of phosphorus doped egg-like hierarchic porous carbon with superior supercapacitance performance by microwave irradiation combining with self-activation strategy. <i>Journal of Power Sources</i> , 2017, 372, 260-269.	7.8	59
31	Flexible, aqueous-electrolyte supercapacitors based on water-processable dioxothiophene polymer/carbon nanotube textile electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23887-23897.	10.3	40
32	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.	7.8	104
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34	Layered double hydroxides toward high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15460-15485.	10.3	326
35	Carbonized silk georgette as an ultrasensitive wearable strain sensor for full-range human activity monitoring. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7604-7611.	5.5	147
36	Internal Asymmetric Tandem Supercapacitor for High Working Voltage along with Superior Rate Performance. <i>ACS Energy Letters</i> , 2017, 2, 1720-1728.	17.4	24

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37	Simple Synthesis of N-Doped Interconnected Porous Carbon from Chinese Tofu for High-Performance Supercapacitor and Lithium-Ion Battery Applications. Journal of the Electrochemical Society, 2017, 164, A3832-A3839.	2.9	22
38	Naturally-derived biopolymer nanocomposites: Interfacial design, properties and emerging applications. Materials Science and Engineering Reports, 2018, 125, 1-41.	31.8	182
39	Bioinspired Wood Nanotechnology for Functional Materials. Advanced Materials, 2018, 30, e1704285.	21.0	341
40	Boosting the electrochemical capacitive properties of polypyrrole using carboxylated graphene oxide as a new dopant. Journal of Materials Science: Materials in Electronics, 2018, 29, 7893-7903.	2.2	9
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53	Highly Compressible, Anisotropic Aerogel with Aligned Cellulose Nanofibers. ACS Nano, 2018, 12, 140-147.	14.6	364
54	Biomass-derived carbon materials with structural diversities and their applications in energy storage. Science China Materials, 2018, 61, 133-158.	6.3	210

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110	Synthesis of MnO ₂ nanowires and their capacitive behavior in aqueous electrolytes containing magnesium ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 539-545.	4.7	10
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119	Carbonized wood-supported hollow NiCo ₂ S ₄ eccentric spheres for high-performance hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151858.	5.5	20
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149	Beyond lotus: Plasma nanostructuring enables efficient energy and water conversion and use. <i>Nano Energy</i> , 2019, 66, 104125.	16.0	34
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