Carbons and Electrolytes for Advanced Supercapacitors

Advanced Materials

26, 2219-2251

DOI: 10.1002/adma.201304137

Citation Report

#	Article	IF	Citations
1	Effects of structural disorder and surface chemistry on electric conductivity and capacitance of porous carbon electrodes. Faraday Discussions, 2014, 172, 139-62.	1.6	54
2	Cross-linked polymers of diethynylbenzene and phenylacetylene as new polymer precursors for high-yield synthesis of high-performance nanoporous activated carbons for supercapacitors, hydrogen storage, and CO₂capture. Journal of Materials Chemistry A, 2014, 2, 20316-20330.	5.2	40
3	An ionic liquid template approach to grapheneâ€“carbon xerogel composites for supercapacitors with enhanced performance. Journal of Materials Chemistry A, 2014, 2, 14329.	5.2	31
4	New Waterâ€Stable Ionic Liquids Based on Tetrakisâ€(2,2,2â€trifluoroethoxy)borate. ChemPhysChem, 2014, 15, 3729-3731.	1.0	12
5	Comparison of carbon onions and carbon blacks as conductive additives for carbon supercapacitors in organic electrolytes. Journal of Power Sources, 2014, 272, 1122-1133.	4.0	99
6	High-performance binder-free supercapacitor electrode by direct growth of cobalt-manganese composite oxide nansostructures on nickel foam. Nanoscale Research Letters, 2014, 9, 492.	3.1	60
7	Graphitization as a Universal Tool to Tailor the Potentialâ€Dependent Capacitance of Carbon Supercapacitors. Advanced Energy Materials, 2014, 4, 1400316.	10.2	201
8	Continuous operation of an electrochemical flow capacitor. Electrochemistry Communications, 2014, 48, 178-181.	2.3	31
9	Controllable synthesis of large-area free-standing amorphous carbon films and their potential application in supercapacitors. RSC Advances, 2014, 4, 63734-63740.	1.7	14
10	Micro- and mesoporous carbide-derived carbon prepared by a sacrificial template method in high performance lithium sulfur battery cathodes. Journal of Materials Chemistry A, 2014, 2, 17649-17654.	5.2	54
11	Reduced graphene oxide derived from used cell graphite and its green fabrication as an eco-friendly supercapacitor. RSC Advances, 2014, 4, 60039-60051.	1.7	22
12	An electrochemical in situ study of freezing and thawing of ionic liquids in carbon nanopores. Physical Chemistry Chemical Physics, 2014, 16, 21219-21224.	1.3	30
13	Fabrication of highly dispersed ZnO nanoparticles embedded in graphene nanosheets for high performance supercapacitors. Electrochimica Acta, 2014, 148, 164-169.	2.6	47
14	Insertion-Type Electrodes for Nonaqueous Li-Ion Capacitors. Chemical Reviews, 2014, 114, 11619-11635.	23.0	632
15	Supercapacitive properties of coiled carbon nanotubes directly grown on nickel nanowires. Journal of Materials Chemistry A, 2014, 2, 17446-17453.	5.2	30
16	Deep eutectic solvent based on sodium cations as an electrolyte for supercapacitor application. RSC Advances, 2014, 4, 45647-45652.	1.7	30
17	A honeycomb-like porous carbon derived from pomelo peel for use in high-performance supercapacitors. Nanoscale, 2014, 6, 13831-13837.	2.8	434
18	Synthesis of polyaniline/SnO 2 nanocomposite and its improved electrochemical performance. Materials Research Bulletin, 2014, 60, 105-110.	2.7	47

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19	A Nitrogen-doped Hierarchical Mesoporous/Microporous Carbon for Supercapacitors. Electrochimica Acta, 2014, 146, 485-494.	2.6	31
20	Physicochemical Investigation of Adiponitrile-Based Electrolytes for Electrical Double Layer Capacitor. Journal of Physical Chemistry C, 2014, 118, 14107-14123.	1.5	43
21	A facile one-pot fabrication of flowerlike graphene-based particles for electric double-layer capacitors. Materials Chemistry and Physics, 2014, 148, 631-638.	2.0	3
22	Free-standing three-dimensional graphene and polyaniline nanowire arrays hybrid foams for high-performance flexible and lightweight supercapacitors. Journal of Materials Chemistry A, 2014, 2, 14413-14420.	5.2	215
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24	Recent advances in porous graphene materials for supercapacitor applications. RSC Advances, 2014, 4, 45862-45884.	1.7	213
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38	Tuning Surface Wettability and Adhesivity of a Nitrogenâ€Doped Graphene Foam after Water Vapor Treatment for Efficient Oil Removal. Advanced Materials Interfaces, 2015, 2, 1500243.	1.9	30
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43	Capacitive Deionization using Biomassâ€based Microporous Saltâ€Templated Heteroatomâ€Doped Carbons. ChemSusChem, 2015, 8, 1867-1874.	3.6	104
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