

High-power lithium batteries from functionalized carbon

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Citation Report

#	ARTICLE	IF	CITATIONS
5	Electroactive Organic Molecules Immobilized onto Solid Nanoparticles as a Cathode Material for Lithium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7222-7224.	7.2	163
6	Ultrahigh-power micrometre-sized supercapacitors based on onion-like carbon. <i>Nature Nanotechnology</i> , 2010, 5, 651-654.	15.6	2,451
7	Nanowire and Nanocable Intrinsic Quantum Capacitances and Junction Capacitances: Results for Metal and Semiconducting Oxides. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-27.	1.5	5
8	Dual Functional Polyelectrolyte Multilayer Coatings for Implants: Permanent Microbicidal Base with Controlled Release of Therapeutic Agents. <i>Journal of the American Chemical Society</i> , 2010, 132, 17840-17848.	6.6	94
9	Single Nanowire Electrochemical Devices. <i>Nano Letters</i> , 2010, 10, 4273-4278.	4.5	143
10	Hollow Capsules of Reduced Graphene Oxide Nanosheets Assembled on a Sacrificial Colloidal Particle. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3442-3445.	2.1	109
11	Annealed binary nanowires: an efficient creation of abundant oxygen deficient states. <i>Journal of Materials Chemistry</i> , 2011, 21, 11730.	6.7	3
12	Nanostructured Film Electrodes for Efficient Li-ion Intercalations. , 2011, , .		0
13	Engineering nanostructured electrodes away from equilibrium for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 9969.	6.7	37
14	Tunable grafting of functional polymers onto carbon nanotubes using diazonium chemistry in aqueous media. <i>Journal of Materials Chemistry</i> , 2011, 21, 4615.	6.7	27
15	Use of vertically-aligned carbon nanotube array to enhance the performance of electrochemical capacitors. , 2011, , .		2
16	Oxygen Reduction by Lithium on Model Carbon and Oxidized Carbon Structures. <i>Journal of the Electrochemical Society</i> , 2011, 158, A1177.	1.3	66
17	Functionally Strain-Graded Nanoscoops for High Power Li-Ion Battery Anodes. <i>Nano Letters</i> , 2011, 11, 377-384.	4.5	101
18	Graphene foam as an anode for high-rate Li-ion batteries. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 18, 062006.	0.3	12
19	Carbon Nanotube Wiring of Electrodes for High-Rate Lithium Batteries Using an Imidazolium-Based Ionic Liquid Precursor as Dispersant and Binder: A Case Study on Iron Fluoride Nanoparticles. <i>ACS Nano</i> , 2011, 5, 2930-2938.	7.3	149
20	Improving the Electrical Conductivity of Carbon Nanotube Networks: A First-Principles Study. <i>ACS Nano</i> , 2011, 5, 9726-9736.	7.3	61
21	Rechargeable lithium/iodine battery with superior high-rate capability by using iodine-carbon composite as cathode. <i>Energy and Environmental Science</i> , 2011, 4, 3947.	15.6	131
22	Preparation and electrochemical performance of hyper-networked Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /carbon hybrid nanofiber sheets for a battery-supercapacitor hybrid system. <i>Nanotechnology</i> , 2011, 22, 405402.	1.3	53

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24	Carbon-based layer-by-layer nanostructures: from films to hollow capsules. <i>Nanoscale</i> , 2011, 3, 4515.	2.8	85
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34	Prospective materials and applications for Li secondary batteries. <i>Energy and Environmental Science</i> , 2011, 4, 1986.	15.6	558
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120	Fertilizer fertilizer/fertilizing Science fertilizer/fertilizing science and Technology fertilizer/fertilizing technology. , 2012, , 3768-3786.		4
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#	ARTICLE	IF	CITATIONS
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619	White-light-controlled resistive switching in ZnO/BaTiO <sub>3</sub> /C multilayer layer at room temperature. <i>Solid State Communications</i> , 2018, 275, 8-11.	0.9	10
620	The creation of hollow walls in carbon nanotubes for high-performance lithium ion batteries. <i>Carbon</i> , 2018, 133, 384-389.	5.4	32
621	Construction of Large-Area Uniform Graphdiyne Film for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 1187-1192.	1.7	58
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623	Facile synthesis N-doped hollow carbon spheres from spherical solid silica. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 203-208.	5.0	16
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626	Electrochemical and electronic properties of nitrogen doped fullerene and its derivatives for lithium-ion battery applications. <i>Journal of Energy Chemistry</i> , 2018, 27, 528-534.	7.1	36
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