

Gang Yang

List of Publications by Year in descending order

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16
papers

893
citations

687363

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940533

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1900
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#	ARTICLE	IF	CITATIONS
1	Thermally Driven Large Nâ€¢Type Voltage Responses from Hybrids of Carbon Nanotubes and Poly(3,4â€¢ethylenedioxythiophene) with Tetrakis(dimethylamino)ethylene. <i>Advanced Materials</i> , 2015, 27, 6855-6861.	21.0	171
2	Scalable synthesis of bi-functional high-performance carbon nanotube sponge catalysts and electrodes with optimum Câ€¢Nâ€¢Fe coordination for oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2015, 8, 1799-1807.	30.8	138
3	Liquidâ€¢Type Cathode Enabled by 3D Spongeâ€¢Like Carbon Nanotubes for High Energy Density and Long Cycling Life of Liâ€¢S Batteries. <i>Advanced Materials</i> , 2014, 26, 7456-7461.	21.0	109
4	Three-dimensional porous carbon nanotube sponges for high-performance anodes of microbial fuel cells. <i>Journal of Power Sources</i> , 2015, 298, 177-183.	7.8	88
5	Origin of unusual thermoelectric transport behaviors in carbon nanotube filled polymer composites after solvent/acid treatments. <i>Organic Electronics</i> , 2017, 45, 182-189.	2.6	66
6	Creating Effective Nanoreactors on Carbon Nanotubes with Mechanochemical Treatments for Highâ€¢Arealâ€¢Capacity Sulfur Cathodes and Lithium Anodes. <i>Advanced Functional Materials</i> , 2018, 28, 1800595.	14.9	52
7	Improving piezoelectric performance of lead-free polymer composites with high aspect ratio BaTiO ₃ nanowires. <i>Polymer Testing</i> , 2016, 53, 143-148.	4.8	50
8	Highly deformable thermal interface materials enabled by covalently-bonded carbon nanotubes. <i>Carbon</i> , 2016, 106, 152-157.	10.3	49
9	Safe and reliable operation of sulfur batteries with lithiated silicon. <i>Nano Energy</i> , 2014, 9, 318-324.	16.0	48
10	Enhanced oxygen reduction and evolution by in situ decoration of hematite nanoparticles on carbon nanotube cathodes for high-capacity nonaqueous lithiumâ€¢oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13767-13775.	10.3	32
11	Novel Organic Schottky Barrier Diode Created in a Single Planar Polymer Film. <i>Advanced Materials</i> , 2016, 28, 9545-9549.	21.0	26
12	Trapping Polysulfides Catholyte in Carbon Nanofiber Sponges for Improving the Performances of Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A1396-A1400.	2.9	20
13	One-step synthesis of nitrogen-iron coordinated carbon nanotube catalysts for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2016, 313, 128-133.	7.8	15
14	Ionic liquid treated carbon nanotube sponge as high areal capacity cathode for lithium sulfur batteries. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 487-494.	2.9	11
15	Bifunctional nano-sponges serving as non-precious metal catalysts and self-standing cathodes for high performance fuel cell applications. <i>Nano Energy</i> , 2016, 22, 607-614.	16.0	10
16	Adsorption Capacity of Carbon Dioxide on Amine Modified Mesoporous Materials with Larger Pore Sizes. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2012, 28, 985-992.	4.9	8