Bin Wang

List of Publications by Year
in descending order

22 papers	2,291 citations	361296 20 h-index	677027 22 g-index
22 all docs	22 docs citations	22 times ranked	3747 citing authors

#	Article	IF	Citations
1	Graphene Nanosheet/Ni²⁺/Al³⁺ Layered Double-Hydroxide Composite as a Novel Electrode for a Supercapacitor. Chemistry of Materials, 2011, 23, 3509-3516.	3.2	506
2	Green synthesis of graphene nanosheets/ZnO composites and electrochemical properties. Journal of Solid State Chemistry, 2011, 184, 1421-1427.	1.4	248
3	Hydrothermal synthesis of carbon nanotube/cubic Fe3O4 nanocomposite for enhanced performance supercapacitor electrode material. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 736-743.	1.7	179
4	Synthesis of reduced graphene nanosheet/urchin-like manganese dioxide composite and high performance as supercapacitor electrode. Electrochimica Acta, 2012, 69, 112-119.	2.6	142
5	Electrochemical synthesis of layer-by-layer reduced graphene oxide sheets/polyaniline nanofibers composite and its electrochemical performance. Electrochimica Acta, 2013, 91, 185-194.	2.6	137
6	Two steps in situ structure fabrication of Niâ€“Al layered double hydroxide on Ni foam and its electrochemical performance for supercapacitors. Journal of Power Sources, 2014, 246, 747-753.	4.0	134
7	A New Partially Reduced Graphene Oxide Nanosheet/Polyaniline Nanowafer Hybrid as Supercapacitor Electrode Material. Energy & Fuels, 2013, 27, 568-575.	2.5	132
8	Effects of solvent on the morphology of nanostructured Co3O4 and its application for high-performance supercapacitors. Electrochimica Acta, 2013, 112, 378-385.	2.6	107
9	Graphene homogeneously anchored with Ni(OH)2 nanoparticles as advanced supercapacitor electrodes. CrystEngComm, 2013, 15, 10007.	1.3	99
10	Facile synthesis of exfoliated Coâ€“Al LDHâ€“carbon nanotube composites with high performance as supercapacitor electrodes. Physical Chemistry Chemical Physics, 2014, 16, 17936-17942.	1.3	92
11	Optimizing the charge transfer process by designing Co₃O₄@PPy@MnO₂ ternary coreâ€“shell composite. Journal of Materials Chemistry A, 2014, 2, 12968-12973.	5.2	84
12	Graphene-enhanced electrodes for scalable supercapacitors. Electrochimica Acta, 2017, 257, 372-379.	2.6	71
13	Hydrothermal synthesis of reduced graphene sheets/Fe2O3 nanorods composites and their enhanced electrochemical performance for supercapacitors. Solid State Sciences, 2013, 20, 46-53.	1.5	68
14	In situ Electron paramagnetic resonance spectroelectrochemical study of graphene-based supercapacitors: Comparison between chemically reduced graphene oxide and nitrogen-doped reduced graphene oxide. Carbon, 2020, 160, 236-246.	5.4	49
15	Electrochemical reduction approach-based 3D graphene/Ni(OH) 2 electrode for high-performance supercapacitors. Electrochimica Acta, 2015, 154, 9-16.	2.6	46
16	Composite of hierarchical interpenetrating 3D hollow carbon skeleton from lotus pollen and hexagonal MnO₂ nanosheets for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 9754-9762.	5.2	45
17	Preparation of graphene nanosheets/SnO2 composites by pre-reduction followed by in-situ reduction and their electrochemical performances. Materials Chemistry and Physics, 2013, 141, 1-8.	2.0	39
18	Deft dipping combined with electrochemical reduction to obtain 3D electrochemical reduction graphene oxide and its applications in supercapacitors. Journal of Materials Chemistry A, 2014, 2, 1137-1143.	5.2	35

#	Article	IF	Citations
19	Electron Paramagnetic Resonance as a Structural Tool to Study Graphene Oxide: Potential Dependence of the EPR Response. Journal of Physical Chemistry C, 2019, 123, 22556-22563.	1.5	26
20	<i>In situ</i> electrochemical electron paramagnetic resonance spectroscopy as a tool to probe electrical double layer capacitance. Chemical Communications, 2018, 54, 3827-3830.	2.2	22
21	Nitrogen doped carbon nanowires prepared from polypyrrole nanowires for potential application in supercapacitors. Journal of Electroanalytical Chemistry, 2016, 775, 219-227.	1.9	18
22	Effect of reducing system on capacitive behavior of reduced graphene oxide film: Application for supercapacitor. Journal of Solid State Chemistry, 2015, 221, 338-344.	1.4	12