Dattakumar Mhamane

List of Publications by Year
in descending order

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22	1,239	471509	677142
papers	citations	17 h-index	22 g-index

22	22	22	2599
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bulk metal-derived metal oxide nanoparticles on oxidized carbon surface. Journal of Alloys and Compounds, 2018, 752, 198-205.	5.5	1
2	Orderly meso-perforated spherical and apple-shaped 3D carbon microstructures for high-energy supercapacitors and high-capacity Li-ion battery anodes. Journal of Materials Chemistry A, 2018, 6, 6422-6434.	10.3	15
3	Zirconyl Nitrate as an Efficient Catalyst for Facile Synthesis of 2-Aryl-2,3-dihydroquinolin-4(1H)-one Derivatives in Aqueous ÂMedium. Synlett, 2018, 29, 235-237.	1.8	2
4	Synthesis of LiFePO4/graphene microspheres while avoiding restacking of graphene sheetâ€™s for high-rate lithium-ion batteries. Journal of Industrial and Engineering Chemistry, 2017, 52, 251-259.	5.8	28
5	Graphene based nanocomposites for alloy (SnO2), and conversion (Fe3O4) type efficient anodes for Li-ion battery applications. Composites Science and Technology, 2016, 130, 88-95.	7.8	14
6	Three-dimensional graphene-based spheres and crumpled balls: micro- and nano-structures, synthesis strategies, properties and applications. RSC Advances, 2016, 6, 50941-50967.	3.6	33
7	TiO2-reduced graphene oxide nanocomposites by microwave-assisted forced hydrolysis as excellent insertion anode for Li-ion battery and capacitor. Journal of Power Sources, 2016, 327, 171-177.	7.8	93
8	A comparative evaluation of differently synthesized high surface area carbons for Li-ion hybrid electrochemical supercapacitor application: Pore size distribution holds the key. Applied Materials Today, 2016, 2, 1-6.	4.3	23
9	Silica-assisted bottom-up synthesis of graphene-like high surface area carbon for highly efficient ultracapacitor and Li-ion hybrid capacitor applications. Journal of Materials Chemistry A, 2016, 4, 5578-5591.	10.3	60
10	Rusted iron wire waste into high performance anode (Î±-Fe₂O₃) for Li-ion batteries: an efficient waste management approach. Green Chemistry, 2016, 18, 1395-1404.	9.0	39
11	Excellent performance of Fe3O4-perforated graphene composite as promising anode in practical Li-ion configuration with LiMn2O4. Energy Storage Materials, 2015, 1, 152-157.	18.0	23
12	Triple nanocomposites of CoMn2O4, Co3O4 and reduced graphene oxide for oxidation of aromatic alcohols. Catalysis Science and Technology, 2014, 4, 1771.	4.1	79
13	Surfactant free gram scale synthesis of mesoporous Ni(OH)₂â€“r-GO nanocomposite for high rate pseudocapacitor application. RSC Advances, 2014, 4, 39875.	3.6	30
14	Indanthrone derived disordered graphitic carbon as promising insertion anode for sodium ion battery with long cycle life. Electrochimica Acta, 2014, 146, 218-223.	5.2	23
15	Large scale synthesis of graphene quantum dots (GQDs) from waste biomass and their use as an efficient and selective photoluminescence onâ€“offâ€“on probe for Ag⁺ions. Nanoscale, 2014, 6, 11664-11670.	5.6	192
16	Nonaqueous Lithiumâ€Ion Capacitors with High Energy Densities using Trigolâ€Reduced Graphene Oxide Nanosheets as Cathodeâ€Active Material. ChemSusChem, 2013, 6, 2240-2244.	6.8	96
17	Superior lithium storage properties of Î±-Fe2O3 nano-assembled spindles. Nano Energy, 2013, 2, 890-896.	16.0	133
18	Hierarchically Nanoperforated Graphene as a High Performance Electrode Material for Ultracapacitors. Small, 2013, 9, 2801-2809.	10.0	33

#	Article	IF	Citations
19	Non-aqueous energy storage devices using graphene nanosheets synthesized by green route. AIP Advances, 2013, 3, .	1.3	16
20	Trigol based reduction of graphite oxide to graphene with enhanced charge storage activity. Journal of Materials Chemistry, 2012, 22, 11140.	6.7	33
21	Doubling of photocatalytic H2 evolution from g-C3N4 via its nanocomposite formation with multiwall carbon nanotubes: Electronic and morphological effects. International Journal of Hydrogen Energy, 2012, 37, 9584-9589.	7.1	127
22	From graphite oxide to highly water dispersible functionalized graphene by single step plant extract-induced deoxygenation. Green Chemistry, 2011, 13, 1990.	9.0	146