

Nithya Vd

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24
papers

1,153
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1,348
ext. citations

4.9
avg, IF

5.12
L-index

#	Paper	IF	Citations
24	Review on Fe_2O_3 based negative electrode for high performance supercapacitors. <i>Journal of Power Sources</i> , 2016 , 327, 297-318	8.9	226
23	Progress and development of Fe_3O_4 electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10767-10778	13	165
22	Synthesis of Bi_2WO_6 nanoparticles and its electrochemical properties in different electrolytes for pseudocapacitor electrodes. <i>Electrochimica Acta</i> , 2013 , 109, 720-731	6.7	113
21	Molybdenum disulfide quantum dots: synthesis and applications. <i>RSC Advances</i> , 2016 , 6, 65670-65682	3.7	63
20	Synthesis, electrical and dielectric properties of FeVO_4 nanoparticles. <i>Physica B: Condensed Matter</i> , 2011 , 406, 24-29	2.8	61
19	Studies on the electrochemical intercalation/de-intercalation mechanism of NiMn_2O_4 for high stable pseudocapacitor electrodes. <i>RSC Advances</i> , 2015 , 5, 27649-27656	3.7	60
18	Investigations on the temperature dependent electrical and magnetic properties of NiTiO_3 by molten salt synthesis. <i>Materials Research Bulletin</i> , 2013 , 48, 1110-1116	5.1	59
17	Effect of pH on the sonochemical synthesis of BiPO_4 nanostructures and its electrochemical properties for pseudocapacitors. <i>Ultrasonics Sonochemistry</i> , 2015 , 22, 300-10	8.9	53
16	Studies on the structural, electrical and magnetic properties of LaCrO_3 , $\text{LaCr}_0.5\text{Cu}_0.5\text{O}_3$ and $\text{LaCr}_0.5\text{Fe}_0.5\text{O}_3$ by sol-gel method. <i>Materials Research Bulletin</i> , 2012 , 47, 1861-1868	5.1	50
15	Synthesis and characterization of FeVO_4 nanoparticles. <i>Materials Research Bulletin</i> , 2011 , 46, 1654-1658	5.1	49
14	Molten salt synthesis and characterization of $\text{Li}_4\text{Ti}_5\text{Mn}_x\text{O}_{12}$ ($x=0.0, 0.05$ and 0.1) as anodes for Li-ion batteries. <i>Applied Surface Science</i> , 2012 , 261, 515-519	6.7	31
13	Synthesis, characterization and electrochemical performances of nanocrystalline FeVO_4 as negative and LiCoPO_4 as positive electrode for asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2015 , 167, 97-104	6.7	30
12	Electrical and electrochemical properties of molten salt-synthesized $\text{Li}_4\text{Ti}_5\text{Sn}_x\text{O}_{12}$ ($x=0.0, 0.05$ and 0.1) as anodes for Li-ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 1515-1521	3.9	29
11	Hexamethylenetetramine assisted hydrothermal synthesis of BiPO_4 and its electrochemical properties for supercapacitors. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 86, 11-18	3.9	27
10	Phase and shape dependent electrochemical properties of BiPO_4 by PVP assisted hydrothermal method for pseudocapacitors. <i>RSC Advances</i> , 2014 , 4, 65184-65194	3.7	26
9	Temperature dependent electrical and magnetic properties of CoWO_4 nanoparticles synthesized by sonochemical method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016 , 214, 57-67	3.1	26
8	Physicochemical properties of V_5+ doped LiCoPO_4 as cathode materials for Li-ion batteries. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 65, 399-410	2.3	23

7	Electrical and electrochemical properties of molten-salt-synthesized 0.05 mol Zr- and Si-doped Li ₄ Ti ₅ O ₁₂ microcrystals. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 647-654	2.6	17
6	Surfactant assisted sonochemical synthesis of Bi ₂ WO ₆ nanoparticles and their improved electrochemical properties for use in pseudocapacitors. <i>RSC Advances</i> , 2014 , 4, 4343-4352	3-7	14
5	Impact of Si ⁴⁺ Ions Doping on the Electrochemical Cycling Performance of NiTiO ₃ as Anodes for Li-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 694-702	1-3	10
4	Effect of carbon coating on the electrochemical properties of Bi ₂ WO ₆ nanoparticles by PVP-assisted sonochemical method. <i>Journal of Applied Electrochemistry</i> , 2015 , 45, 473-485	2.6	8
3	A review on holey graphene electrode for supercapacitor. <i>Journal of Energy Storage</i> , 2021 , 44, 103380	7-8	8
2	Recent advances in CoSe ₂ electrocatalysts for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6-7	4
1	Sonochemical synthesis, structural, electrical transport and magnetic properties of NiWO ₄ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 15616-15626	2.1	1