

Selladurai S

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32
papers

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ext. citations

2.8
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4.88
L-index

#	Paper	IF	Citations
32	Mesoporous MnCo ₂ O ₄ spinel oxide nanostructure synthesized by solvothermal technique for supercapacitor. <i>Ionics</i> , 2014 , 20, 479-487	2.7	112
31	Shape controlled synthesis of CeO ₂ nanostructures for high performance supercapacitor electrodes. <i>RSC Advances</i> , 2014 , 4, 6527	3.7	107
30	Controlled growth of spinel NiCo ₂ O ₄ nanostructures on carbon cloth as a superior electrode for supercapacitors. <i>RSC Advances</i> , 2014 , 4, 8341	3.7	85
29	Electrochemical capacitance of porous NiO/CeO ₂ binary oxide synthesized via sol-gel technique for supercapacitor. <i>Ionics</i> , 2014 , 20, 409-420	2.7	58
28	Effect of fillers on magnesium poly(ethylene oxide) solid polymer electrolyte. <i>Ionics</i> , 2006 , 12, 281-286	2.7	49
27	Cobalt oxide (Co ₃ O ₄)/graphene nanosheets (GNS) composite prepared by novel route for supercapacitor application. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 8988-9000	2.1	45
26	Ultra-fast rate capability of a symmetric supercapacitor with a hierarchical Co ₃ O ₄ nanowire/nanoflower hybrid structure in non-aqueous electrolyte. <i>RSC Advances</i> , 2015 , 5, 12700-12709	3.7	43
25	Preparation and characterization of a new polymer electrolyte (PEO:NaClO ₃) for battery application. <i>Journal of Solid State Electrochemistry</i> , 2001 , 5, 355-361	2.6	36
24	Solvothermal synthesis of mesoporous NiCo ₂ O ₄ spinel oxide nanostructure for high-performance electrochemical capacitor electrode. <i>Ionics</i> , 2013 , 19, 1535-1544	2.7	34
23	Effect of nanofiller CeO ₂ on structural, conductivity, and dielectric behaviors of plasticized blend nanocomposite polymer electrolyte. <i>Ionics</i> , 2015 , 21, 829-840	2.7	33
22	Hydrothermal synthesis of carbon- and reduced graphene oxide-supported CoMoO ₄ nanorods for supercapacitor. <i>Ionics</i> , 2014 , 20, 1323-1334	2.7	30
21	Facile synthesis of NiSnO ₃ /graphene nanocomposite for high-performance electrode towards asymmetric supercapacitor device. <i>Journal of Materials Science</i> , 2018 , 53, 16022-16046	4.3	27
20	Study of pristine and carbon-coated LiCoPO ₄ olivine material synthesized by modified sol-gel method. <i>Ionics</i> , 2011 , 17, 13-19	2.7	26
19	Efficient electrochemical performance of ZnMn ₂ O ₄ nanoparticles with rGO nanosheets for electrodes in supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3326-3339	2.1	23
18	Mesoporous 3D network Ce-doped NiO nanoflakes as high performance electrodes for supercapacitor applications. <i>New Journal of Chemistry</i> , 2019 , 43, 7441-7456	3.6	22
17	Structural, conductivity, and dielectric characterization of PEO/PEG blend composite polymer electrolyte dispersed with TiO ₂ nanoparticles. <i>Ionics</i> , 2013 , 19, 1115-1123	2.7	21
16	Synthesis and redox behavior of a new polyanion compound, Li ₂ Co ₂ (MoO ₄) ₃ , as 4 V class positive electrode material for lithium batteries. <i>Ionics</i> , 2004 , 10, 77-83	2.7	18

15	NiO hybrid nanoarchitecture-based pseudocapacitor in organic electrolyte with high rate capability and cycle life. <i>Ionics</i> , 2015 , 21, 2623-2631	2.7	16
14	Ionic conductivity and battery characteristic studies on PEO+NaClO ₃ polymer electrolyte. <i>Ionics</i> , 2001 , 7, 88-93	2.7	14
13	Microstructural studies of bulk and thin film GDC. <i>Ionics</i> , 2008 , 14, 165-171	2.7	13
12	Study of a new polymer electrolyte poly(ethylene oxide): NaClO ₃ with several plasticizers for battery application. <i>Polymer International</i> , 2001 , 50, 89-94	3.3	11
11	Synthesis and studies of new plasticized PVP: NaClO ₃ electrolyte system for battery applications. <i>Ionics</i> , 2003 , 9, 404-410	2.7	10
10	Thermal properties of 15-mol% gadolinia doped ceria thin films prepared by pulsed laser ablation. <i>Ionics</i> , 2007 , 13, 47-50	2.7	9
9	Conductivity studies on PEO:NaClO ₃ electrolyte system with different plasticizers. <i>Ionics</i> , 2001 , 7, 94-100.	2.7	9
8	Facile Synthesis of Self-Assembled Flower-Like Mesoporous Zinc Oxide Nanoflakes for Energy Applications. <i>International Journal of Nanoscience</i> , 2018 , 17, 1760002	0.6	8
7	Novel synthesis of highly porous spinel cobaltite (NiCo ₂ O ₄) electrode material for supercapacitor applications 2014 ,		7
6	A new type of electrochemical cell based on the configuration NaI PEG I ₂ . <i>Ionics</i> , 2000 , 6, 218-221	2.7	5
5	Role of composite MnO ₂ cathode on electrochemical cells based on polymer electrolyte (PEO/NaClO ₃). <i>Ionics</i> , 2009 , 15, 703-710	2.7	4
4	Synthesis and performance study of cobalt-substituted lithium iron phosphate. <i>Ionics</i> , 2007 , 13, 19-23	2.7	4
3	Microstructural study of thin films of 5 mol% gadolinia-doped ceria prepared by pulsed laser ablation. <i>Ionics</i> , 2007 , 13, 87-92	2.7	2
2	Cells studies on PEO/PEG/NaClO ₃ thin-film electrolyte system based on composite V ₂ O ₅ electrode. <i>Ionics</i> , 2008 , 14, 387-393	2.7	2
1	Crystal and molecular structure of 3-benzoylpropionic acid. <i>Journal of Chemical Sciences</i> , 1990 , 102, 39-43.	3.8	1