

G Hirankumar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

1,452
citations

21
h-index

38
g-index

45
ext. papers

1,600
ext. citations

3.4
avg, IF

4.31
L-index

#	Paper	IF	Citations
42	Preparation and characterization of PVA/PAM/NH ₄ SCN polymer film by ultrasound-assisted solution casting method for application in electric double layer capacitor. <i>Ionics</i> , 2020 , 26, 4113-4128	2.7	11
41	Vibrational, electrical, dielectric and optical properties of PVA-LiPF ₆ solid polymer electrolytes. <i>Materials Science-Poland</i> , 2019 , 37, 331-337	0.6	3
40	Effect of incorporation of different plasticizers on structural and ion transport properties of PVA-LiClO ₄ based electrolytes. <i>Heliyon</i> , 2018 , 4, e00992	3.6	34
39	Vibrational, electrical, and ion transport properties of PVA-LiClO ₄ -sulfolane electrolyte with high cationic conductivity. <i>Ionics</i> , 2017 , 23, 1733-1743	2.7	8
38	Effect of pH on the electrical properties and conducting mechanism of SnO ₂ nanoparticles. <i>Physica B: Condensed Matter</i> , 2017 , 509, 62-69	2.8	8
37	Electrical, dielectric and electrochemical studies on new Li ion conducting solid polymer electrolytes based on polyethylene glycol p-tert-octylphenyl ether. <i>Polymer Science - Series A</i> , 2017 , 59, 660-668	1.2	8
36	Characterization of CH ₃ SO ₃ H-doped PMMA/PVP blend-based proton-conducting polymer electrolytes and its application in primary battery. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	7
35	Novel proton conducting polymer electrolyte and its application in microbial fuel cell. <i>Materials Letters</i> , 2016 , 164, 551-553	3.3	18
34	Investigation of the ionic conductivity and dielectric measurements of poly (N-vinyl pyrrolidone)-sulfamic acid polymer complexes. <i>Physica B: Condensed Matter</i> , 2015 , 458, 51-57	2.8	7
33	Influence of metals on the structural, vibrational, and electrical properties of lithium nickel phosphate. <i>Ionics</i> , 2015 , 21, 345-357	2.7	8
32	AC IMPEDANCE AND FTIR STUDIES ON PROTON CONDUCTING POLYMER ELECTROLYTE MEMBRANE BASED ON PVP AND METHANESULFONIC ACID 2015 , 17-30		
31	Structural and electrical studies on Zn ²⁺ doped LiCoPO ₄ . <i>Journal of Electrostatics</i> , 2014 , 72, 181-186	1.7	13
30	Structure, dielectric and bioactivity of P ₂ O ₅ -CaO-Na ₂ O-B ₂ O ₃ bioactive glass. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 117, 1323-1327	2.6	5
29	Dielectric Relaxation Study on TiO ₂ Based Nanocomposite Blend Polymer Electrolytes. <i>Materials Science Forum</i> , 2014 , 807, 135-142	0.4	
28	Structural, Morphological, Vibrational and Electrical Studies on Zn Doped Nanocrystalline LiNiPO ₄ . <i>Materials Science Forum</i> , 2014 , 781, 145-153	0.4	3
27	Structural and conductivity studies on LiNiPO ₄ synthesized by the polyol method. <i>Journal of Alloys and Compounds</i> , 2013 , 548, 65-69	5.7	29
26	Structural, vibrational, thermal, and conductivity studies on proton-conducting polymer electrolyte based on poly (N-vinylpyrrolidone). <i>Ionics</i> , 2012 , 18, 91-99	2.7	50

25	Effect of annealing temperatures on an ion transport properties of the bioglass. <i>Journal of Alloys and Compounds</i> , 2012 , 532, 86-91	5.7	6
24	STRUCTURAL AND CONDUCTIVITY STUDIES ON LANTHANUM DOPED PREPARED BY POLYOL METHOD 2012 , 27-36		2
23	Conductivity and dielectric properties of polyvinyl alcohol-polyvinylpyrrolidone poly blend film using non-aqueous medium. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3751-3756	3.9	79
22	Ionic transport properties of LiCoPO ₄ cathode material. <i>Solid State Sciences</i> , 2011 , 13, 1714-1718	3.4	22
21	Structural, dielectric, and conductivity studies of yttrium-doped LiNiPO ₄ cathode materials. <i>Ionics</i> , 2011 , 17, 201-207	2.7	44
20	Ionic conductivity studies on LiSmO ₂ by impedance spectroscopy. <i>Ionics</i> , 2010 , 16, 317-321	2.7	21
19	Laser Raman and ac impedance spectroscopic studies of PVA: NH ₄ NO ₃ polymer electrolyte. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 474-8	4.4	49
18	Structural and thermal studies of PVA:NH ₄ I. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 1098-1103	3.3	78
17	Investigation on dielectric relaxations of PVP-NH ₄ SCN polymer electrolyte. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1494-1502	3.9	146
16	Vibrational and impedance spectroscopic study on PVP-NH ₄ SCN based polymer electrolytes. <i>Physica B: Condensed Matter</i> , 2007 , 393, 11-17	2.8	95
15	Vibrational and impedance spectroscopic analysis of poly(vinyl alcohol)-based solid polymer electrolytes. <i>Ionics</i> , 2007 , 13, 483-487	2.7	45
14	Conductivity and thermal behavior of proton conducting polymer electrolyte based on poly (N-vinyl pyrrolidone). <i>European Polymer Journal</i> , 2006 , 42, 2672-2677	5.2	86
13	Ag ⁺ ion transport studies in a polyvinyl alcohol-based polymer electrolyte system. <i>Journal of Solid State Electrochemistry</i> , 2006 , 10, 193-197	2.6	45
12	¹ H solid state NMR studies on the proton conducting polymer electrolytes. <i>Materials Letters</i> , 2005 , 59, 2741-2745	3.3	54
11	Thermal, electrical and optical studies on the poly(vinyl alcohol) based polymer electrolytes. <i>Journal of Power Sources</i> , 2005 , 144, 262-267	8.9	144
10	Ionic conductivity studies on Sr stabilized zirconia by impedance spectroscopy. <i>Ionics</i> , 2005 , 11, 362-365	2.7	6
9	Transport mechanism of Cu-ion conducting PVA based solid-polymer electrolyte. <i>Ionics</i> , 2005 , 11, 436-441	4.7	57
8	Ion dynamic studies on Li ₃ CaZr(PO ₄) ₃ . <i>Journal of Materials Science</i> , 2004 , 39, 727-729	4.3	4

7	Dielectric and conductivity relaxations in PVAc based polymer electrolytes. <i>Ionics</i> , 2004 , 10, 129-134	2.7	69
6	AC impedance studies on proton conducting polymer electrolyte complexes (PVA+CH ₃ COONH ₄). <i>Ionics</i> , 2004 , 10, 135-138	2.7	44
5	Ionic conductivity studies on Mg stabilized zirconia by impedance spectroscopy. <i>Ceramics International</i> , 2004 , 30, 1631-1634	5.1	3
4	Vibrational, ac impedance and dielectric spectroscopic studies of poly(vinylacetate)-N,N-dimethylformamide-LiClO ₄ polymer gel electrolytes. <i>Journal of Power Sources</i> , 2004 , 134, 235-240	8.9	79
3	Synthesis and ion dynamics studies of nanocrystalline Mg stabilized zirconia. <i>Physica B: Condensed Matter</i> , 2003 , 334, 390-397	2.8	34
2	Influence of B ₂ O ₃ doping on conductivity of LiTiO ₂ electrode material. <i>Journal of Power Sources</i> , 2003 , 117, 143-147	8.9	26
1	Synthesis and Electrical Characterization of Gd doped Lithium Phosphate 2002 ,		1