

S Karthikeyan

List of Publications by Citations

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31
papers

649
citations

17
h-index

25
g-index

32
ext. papers

788
ext. citations

2.3
avg, IF

3.69
L-index

#	Paper	IF	Citations
31	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
30	Structural, vibrational, thermal, and electrical properties of PVA/PVP biodegradable polymer blend electrolyte with CH ₃ COONH ₄ . <i>Ionics</i> , 2013 , 19, 1105-1113	2.7	62
29	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
28	Proton-conducting I-Carrageenan-based biopolymer electrolyte for fuel cell application. <i>Ionics</i> , 2017 , 23, 2775-2780	2.7	49
27	Structural, dielectric, and conductivity studies of yttrium-doped LiNiPO ₄ cathode materials. <i>Ionics</i> , 2011 , 17, 201-207	2.7	44
26	Synthesis and impedance analysis of proton-conducting polymer electrolyte PVA:NH ₄ F. <i>Ionics</i> , 2013 , 19, 1437-1447	2.7	43
25	Proton-conducting polymer electrolyte based on PVA-PAN blend doped with ammonium thiocyanate. <i>Ionics</i> , 2015 , 21, 1017-1029	2.7	35
24	Electrical conductivity characterization of polyacrylonitrile-ammonium bromide polymer electrolyte system. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 987-999	2.6	34
23	Preparation and characterization of biopolymer electrolyte based on cellulose acetate for potential applications in energy storage devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 9314-9324	2.1	31
22	Structural, electrical and electrochemical properties of polyacrylonitrile-ammonium hexafluorophosphate polymer electrolyte system. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	26
21	AC impedance studies on proton-conducting PAN : NH ₄ SCN polymer electrolytes. <i>Ionics</i> , 2014 , 20, 1391-1398	2.6	26
20	Lithium Ion Conducting Polymer Electrolyte Based on Poly (Vinyl Alcohol) /Poly (Vinyl Pyrrolidone) Blend with LiClO ₄ . <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012 , 61, 1164-1175 ²³	2.3	23
19	Ionic transport properties of LiCoPO ₄ cathode material. <i>Solid State Sciences</i> , 2011 , 13, 1714-1718	3.4	22
18	Lithium ion-conducting polymer electrolytes based on PVAc/PAN doped with lithium triflate. <i>Ionics</i> , 2017 , 23, 2727-2734	2.7	21
17	Preparation and characterization of PVA complexed with amino acid, proline. <i>Ionics</i> , 2015 , 21, 387-399	2.7	20
16	Structural, electrical conductivity, and transport analysis of PAN/NH ₄ Cl polymer electrolyte system. <i>Ionics</i> , 2016 , 22, 1085-1094	2.7	18
15	Characterization of high ionic conducting PVAc/PMA blend-based polymer electrolyte for electrochemical applications. <i>Ionics</i> , 2016 , 22, 2409-2420	2.7	17

14	Study on blend polymer (PVA-PAN) doped with lithium bromide. <i>Polymer Science - Series A</i> , 2015 , 57, 851-862	1.2	16
13	Influence of europium doping on conductivity of LiNiPO ₄ . <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 342-347	3.3	12
12	HTS pulse-stretcher and second order Modulator: design and first results. <i>IEEE Transactions on Applied Superconductivity</i> , 2005 , 15, 457-460	1.8	5
11	Synthesis of magnesium oxide nanoparticle by eco friendly method (green synthesis) [A review]. <i>Materials Today: Proceedings</i> , 2021 , 37, 3028-3030	1.4	4
10	Plant Design for 100TPD Production of Methyl Diethanolamine. <i>Journal of Advanced Research in Dynamical and Control Systems</i> , 2019 , 11, 1205-1213	2.9	3
9	Review of heat transfer enhancement on helical coil heat exchanger by additive passive method. <i>Materials Today: Proceedings</i> , 2021 , 37, 3024-3027	1.4	3
8	Study of PVA/CA/NH ₄ SCN/Ethylene Carbonate/Al ₂ O ₃ Polymer Nano-Composite Electrolyte System. <i>Springer Proceedings in Physics</i> , 2017 , 263-275	0.2	2
7	Studies on Composite PVA-CA-NH ₄ CF ₃ SO ₃ -Al ₂ O ₃ Polymer Electrolyte for Electrochemical Devices. <i>Asian Journal of Chemistry</i> , 2019 , 31, 1181-1188	0.4	2
6	Solid polymer electrolyte based on tragacanth gum-ammonium thiocyanate. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 2371-2383	2.6	2
5	Self-humidified operation of a PEM fuel cell using a novel silica composite coating method. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 4827-4837	6.7	0
4	Synthesis and Characterization of Polyvinyl Alcohol-Gum Arabic Polymer Blend Membranes. <i>Asian Journal of Chemistry</i> , 2019 , 32, 111-114	0.4	0
3	Characterization of solid polymer electrolyte based on gum tragacanth and lithium nitrate. <i>Polymer-Plastics Technology and Materials</i> , 1-15	1.5	
2	Synthesis of alcotex/3-aminopropanoic acid polymer thin film and its structural and opto-electrical properties. <i>Materials Letters</i> , 2021 , 282, 128690	3.3	
1	Review on cooling tower nozzle types. <i>Materials Today: Proceedings</i> , 2021 , 37, 3016-3018	1.4	