S Karthikeyan

List of Publications by Year
in descending order

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32 papers	931 citations	430754 18 h-index	454834 30 g-index
32 all docs	32 docs citations	32 times ranked	744 citing authors

#	Article	IF	Citations
1	Conductivity and dielectric properties of polyvinyl alcoholâ€“polyvinylpyrrolidone poly blend film using non-aqueous medium. Journal of Non-Crystalline Solids, 2011, 357, 3751-3756.	1.5	105
2	Structural, vibrational, thermal, and electrical properties of PVA/PVP biodegradable polymer blend electrolyte with CH3COONH4. Ionics, 2013, 19, 1105-1113.	1.2	79
3	Proton-conducting I-Carrageenan-based biopolymer electrolyte for fuel cell application. Ionics, 2017, 23, 2775-2780.	1.2	76
4	Synthesis and impedance analysis of proton-conducting polymer electrolyte PVA:NH4F. Ionics, 2013, 19, 1437-1447.	1.2	69
5	Structural, vibrational, thermal, and conductivity studies on proton-conducting polymer electrolyte based on poly (N-vinylpyrrolidone). Ionics, 2012, 18, 91-99.	1.2	62
6	Structural, dielectric, and conductivity studies of yttrium-doped LiNiPO4 cathode materials. Ionics, 2011, 17, 201-207.	1.2	60
7	Preparation and characterization of biopolymer electrolyte based on cellulose acetate for potential applications in energy storage devices. Journal of Materials Science: Materials in Electronics, 2016, 27, 9314-9324.	1.1	50
8	Proton-conducting polymer electrolyte based on PVA-PAN blend doped with ammonium thiocyanate. Ionics, 2015, 21, 1017-1029.	1.2	47
9	Electrical conductivity characterization of polyacrylonitrile-ammonium bromide polymer electrolyte system. Journal of Solid State Electrochemistry, 2015, 19, 987-999.	1.2	40
10	Structural, electrical and electrochemical properties of polyacrylonitrile-ammonium hexaflurophosphate polymer electrolyte system. Journal of Polymer Research, 2016, 23, 1.	1.2	36
11	Lithium ion-conducting polymer electrolytes based on PVAâ€“PAN doped with lithium triflate. Ionics, 2017, 23, 2727-2734.	1.2	35
12	Characterization of high ionic conducting PVAcâ€“PMMA blend-based polymer electrolyte for electrochemical applications. Ionics, 2016, 22, 2409-2420.	1.2	31
13	AC impedance studies on proton-conducting PANâ€‰:â€‰NH4SCN polymer electrolytes. Ionics, 2014, 20, 1391-1398.	1.2	29
14	Preparation and characterization of PVA complexed with amino acid, proline. Ionics, 2015, 21, 387-399.	1.2	29
15	Structural, electrical conductivity, and transport analysis of PANâ€“NH4Cl polymer electrolyte system. Ionics, 2016, 22, 1085-1094.	1.2	28
16	Lithium Ion Conducting Polymer Electrolyte Based on<i>Poly (Vinyl Alcohol) â€“ Poly (Vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T Polymeric Biomaterials, 2012, 61, 1164-1175.	1.8	27
17	Ionic transport properties of LiCoPO4 cathode material. Solid State Sciences, 2011, 13, 1714-1718.	1.5	23
18	Synthesis of magnesium oxide nanoparticle by eco friendly method (green synthesis) â€“ A review. Materials Today: Proceedings, 2021, 37, 3028-3030.	0.9	21

#	Article	IF	Citations
19	Study on blend polymer (PVA-PAN) doped with lithium bromide. Polymer Science - Series A, 2015, 57, 851-862.	0.4	20
20	Influence of europium doping on conductivity of LiNiPO4. Transactions of Nonferrous Metals Society of China, 2012, 22, 342-347.	1.7	15
21	Self-humidified operation of a PEM fuel cell using a novel silica composite coating method. International Journal of Hydrogen Energy, 2022, 47, 4827-4837.	3.8	12
22	Solid polymer electrolyte based on tragacanth gum-ammonium thiocyanate. Journal of Solid State Electrochemistry, 2021, 25, 2371-2383.	1.2	10
23	HTS Pulse-Stretcher and Second Order Modulator: Design and First Results. IEEE Transactions on Applied Superconductivity, 2005, 15, 457-460.	1.1	6
24	Review of heat transfer enhancement on helical coil heat exchanger by additive passive method. Materials Today: Proceedings, 2021, 37, 3024-3027.	0.9	5
25	Study of PVA/CA/NH4SCN/Ethylene Carbonate/Al2O3 Polymer Nano-Composite Electrolyte System. Springer Proceedings in Physics, 2017, , 263-275.	0.1	3
26	Development and characterization of proton conducting polymer electrolyte based on PVA:Arginine: NH4SCN. AIP Conference Proceedings, 2019, , .	0.3	3
27	Studies on Composite PVA-CA-NH4CF3SO3-Al2O3 Polymer Electrolyte for Electrochemical Devices. Asian Journal of Chemistry, 2019, 31, 1181-1188.	0.1	3
28	Plant Design for 100TPD Production of Methyl Diethanolamine. Journal of Advanced Research in Dynamical and Control Systems, 2019, 11, 1205-1213.	0.3	3
29	Synthesis and Characterization of Polyvinyl Alcohol-Gum Arabic Polymer Blend Membranes. Asian Journal of Chemistry, 2019, 32, 111-114.	0.1	2
30	Synthesis of alcotex/3-aminopropanoic acid polymer thin film and its structural and opto-electrical properties. Materials Letters, 2021, 282, 128690.	1.3	1
31	Characterization of solid polymer electrolyte based on gum tragacanth and lithium nitrate. Polymer-Plastics Technology and Materials, 0, , 1-15.	0.6	1
32	Review on cooling tower nozzle types. Materials Today: Proceedings, 2021, 37, 3016-3018.	0.9	0