

# S Karthikeyan

## 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.

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	Self-humidified operation of a PEM fuel cell using a novel silica composite coating method. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 4827-4837	6.7	0
30	Solid polymer electrolyte based on tragacanth gum-ammonium thiocyanate. <i>Journal of Solid State Electrochemistry</i> , <b>2021</b> , 25, 2371-2383	2.6	2
29	Review of heat transfer enhancement on helical coil heat exchanger by additive passive method. <i>Materials Today: Proceedings</i> , <b>2021</b> , 37, 3024-3027	1.4	3
28	Synthesis of alcotex/3-aminopropanoic acid polymer thin film and its structural and opto-electrical properties. <i>Materials Letters</i> , <b>2021</b> , 282, 128690	3.3	
27	Review on cooling tower nozzle types. <i>Materials Today: Proceedings</i> , <b>2021</b> , 37, 3016-3018	1.4	
26	Synthesis of magnesium oxide nanoparticle by eco friendly method (green synthesis) [A review]. <i>Materials Today: Proceedings</i> , <b>2021</b> , 37, 3028-3030	1.4	4
25	Studies on Composite PVA-CA-NH <sub>4</sub> CF <sub>3</sub> SO <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> Polymer Electrolyte for Electrochemical Devices. <i>Asian Journal of Chemistry</i> , <b>2019</b> , 31, 1181-1188	0.4	2
24	Plant Design for 100TPD Production of Methyl Diethanolamine. <i>Journal of Advanced Research in Dynamical and Control Systems</i> , <b>2019</b> , 11, 1205-1213	2.9	3
23	Synthesis and Characterization of Polyvinyl Alcohol-Gum Arabic Polymer Blend Membranes. <i>Asian Journal of Chemistry</i> , <b>2019</b> , 32, 111-114	0.4	0
22	Study of PVA/CA/NH <sub>4</sub> SCN/Ethylene Carbonate/Al <sub>2</sub> O <sub>3</sub> Polymer Nano-Composite Electrolyte System. <i>Springer Proceedings in Physics</i> , <b>2017</b> , 263-275	0.2	2
21	Lithium ion-conducting polymer electrolytes based on PVABAN doped with lithium triflate. <i>Ionics</i> , <b>2017</b> , 23, 2727-2734	2.7	21
20	Proton-conducting I-Carrageenan-based biopolymer electrolyte for fuel cell application. <i>Ionics</i> , <b>2017</b> , 23, 2775-2780	2.7	49
19	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> , <b>2016</b> , 27, 9314-9324	2.1	31
18	Structural, electrical and electrochemical properties of polyacrylonitrile-ammonium hexafluorophosphate polymer electrolyte system. <i>Journal of Polymer Research</i> , <b>2016</b> , 23, 1	2.7	26
17	Structural, electrical conductivity, and transport analysis of PAN/H <sub>4</sub> Cl polymer electrolyte system. <i>Ionics</i> , <b>2016</b> , 22, 1085-1094	2.7	18
16	Characterization of high ionic conducting PVAc/BMMA blend-based polymer electrolyte for electrochemical applications. <i>Ionics</i> , <b>2016</b> , 22, 2409-2420	2.7	17
15	Study on blend polymer (PVA-PAN) doped with lithium bromide. <i>Polymer Science - Series A</i> , <b>2015</b> , 57, 851-862	1.2	16

14	Proton-conducting polymer electrolyte based on PVA-PAN blend doped with ammonium thiocyanate. <i>Ionics</i> , <b>2015</b> , 21, 1017-1029	2.7	35
13	Preparation and characterization of PVA complexed with amino acid, proline. <i>Ionics</i> , <b>2015</b> , 21, 387-399	2.7	20
12	Electrical conductivity characterization of polyacrylonitrile-ammonium bromide polymer electrolyte system. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 987-999	2.6	34
11	AC impedance studies on proton-conducting PAN : NH <sub>4</sub> SCN polymer electrolytes. <i>Ionics</i> , <b>2014</b> , 20, 1391-1398	2.7	26
10	Synthesis and impedance analysis of proton-conducting polymer electrolyte PVA:NH <sub>4</sub> F. <i>Ionics</i> , <b>2013</b> , 19, 1437-1447	2.7	43
9	Structural, vibrational, thermal, and electrical properties of PVA/PVP biodegradable polymer blend electrolyte with CH <sub>3</sub> COONH <sub>4</sub> . <i>Ionics</i> , <b>2013</b> , 19, 1105-1113	2.7	62
8	Structural, vibrational, thermal, and conductivity studies on proton-conducting polymer electrolyte based on poly (N-vinylpyrrolidone). <i>Ionics</i> , <b>2012</b> , 18, 91-99	2.7	50
7	Influence of europium doping on conductivity of LiNiPO <sub>4</sub> . <i>Transactions of Nonferrous Metals Society of China</i> , <b>2012</b> , 22, 342-347	3.3	12
6	Lithium Ion Conducting Polymer Electrolyte Based on Poly (Vinyl Alcohol) [Poly (Vinyl Pyrrolidone) Blend with LiClO <sub>4</sub> . <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2012</b> , 61, 1164-1175 <sup>23</sup>	2.7	23
5	Conductivity and dielectric properties of polyvinyl alcohol/polyvinylpyrrolidone poly blend film using non-aqueous medium. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 3751-3756	3.9	79
4	Ionic transport properties of LiCoPO <sub>4</sub> cathode material. <i>Solid State Sciences</i> , <b>2011</b> , 13, 1714-1718	3.4	22
3	Structural, dielectric, and conductivity studies of yttrium-doped LiNiPO <sub>4</sub> cathode materials. <i>Ionics</i> , <b>2011</b> , 17, 201-207	2.7	44
2	HTS pulse-stretcher and second order Modulator: design and first results. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 457-460	1.8	5
1	Characterization of solid polymer electrolyte based on gum tragacanth and lithium nitrate. <i>Polymer-Plastics Technology and Materials</i> , 1-15	1.5	