

# AL Sharma

## 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.

25  
papers

856  
citations

18  
h-index

28  
g-index

28  
ext. papers

1,170  
ext. citations

3.1  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
25	Structural and electrochemical performance of carbon coated molybdenum selenide nanocomposite for supercapacitor applications. <i>Journal of Energy Storage</i> , <b>2022</b> , 45, 103797	7.8	3
24	Nanofiller-assisted Na <sup>+</sup> -conducting polymer nanocomposite for ultracapacitor: structural, dielectric and electrochemical properties. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 6167	4.3	5
23	Ion transport, dielectric, and electrochemical properties of sodium ion-conducting polymer nanocomposite: application in EDLC. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 10873-10883	2.1	13
22	A glimpse on all-solid-state Li-ion battery (ASSLIB) performance based on novel solid polymer electrolytes: a topical review. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 6242-6304	4.3	27
21	Selection of best composition of Na <sup>+</sup> ion conducting PEO-PEI blend solid polymer electrolyte based on structural, electrical, and dielectric spectroscopic analysis. <i>Ionics</i> , <b>2020</b> , 26, 745-766	2.7	18
20	Investigation on enhancement of electrical, dielectric and ion transport properties of nanoclay-based blend polymer nanocomposites. <i>Polymer Bulletin</i> , <b>2020</b> , 77, 2965-2999	2.4	12
19	Synthesis and characterizations (electrical and thermal stability properties) of the blended polymer nanocomposites. <i>Materials Today: Proceedings</i> , <b>2019</b> , 12, 605-613	1.4	1
18	Dielectric relaxations and transport properties parameter analysis of novel blended solid polymer electrolyte for sodium-ion rechargeable batteries. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 7131-7155	4.3	49
17	Temperature and Salt-Dependent Dielectric Properties of Blend Solid Polymer Electrolyte Complexed with LiBOB. <i>Macromolecular Research</i> , <b>2019</b> , 27, 334-345	1.9	19
16	Electrolyte for energy storage/conversion (Li <sup>+</sup> , Na <sup>+</sup> , Mg <sup>2+</sup> ) devices based on PVC and their associated polymer: a comprehensive review. <i>Journal of Solid State Electrochemistry</i> , <b>2019</b> , 23, 997-1059	2.6	29
15	Impact of shape (nanofiller vs. nanorod) of TiO <sub>2</sub> nanoparticle on free-standing solid polymeric separator for energy storage/conversion devices. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47361	2.9	18
14	Structural, electrical and ion transport properties of free-standing blended solid polymeric thin films. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 5149-5172	2.4	21
13	Effect of variation of different nanofillers on structural, electrical, dielectric, and transport properties of blend polymer nanocomposites. <i>Ionics</i> , <b>2018</b> , 24, 2295-2319	2.7	53
12	Effect of salt concentration on dielectric properties of Li-ion conducting blend polymer electrolytes. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 17903-17920	2.1	61
11	Optimization of salt concentration and explanation of two peak percolation in blend solid polymer nanocomposite films. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 2725-2745	2.6	36
10	Polymer electrolytes for lithium ion batteries: a critical study. <i>Ionics</i> , <b>2017</b> , 23, 497-540	2.7	211
9	Insights into the use of polyethylene oxide in energy storage/conversion devices: a critical review. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 443002	3	79

8	Relaxation behavior in clay-reinforced polymer nanocomposites. <i>Ionics</i> , <b>2015</b> , 21, 1561-1575	2.7	24
7	Evaluation of aluminium doped lanthanum ferrite based electrodes for supercapacitor design. <i>Solid State Ionics</i> , <b>2014</b> , 262, 230-233	3.3	26
6	Plastic separators with improved properties for portable power device applications. <i>Ionics</i> , <b>2013</b> , 19, 795-809	2.7	25
5	AC conductivity and relaxation behavior in ion conducting polymer nanocomposite. <i>Ionics</i> , <b>2011</b> , 17, 135-143	2.7	32
4	Polymer/clay interaction based model for ion conduction in intercalation-type polymer nanocomposite. <i>Ionics</i> , <b>2010</b> , 16, 339-350	2.7	34
3	Improvement in voltage, thermal, mechanical stability and ion transport properties in polymer-clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 2743-2753	2.9	33
2	Studies on structure property relationship in a polymer/clay nanocomposite film based on (PAN)/LiClO <sub>4</sub> . <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 2577-2592	2.6	25
1	Fabrication of energy storage EDLC device based on self-synthesized TiO <sub>2</sub> nanowire dispersed polymer nanocomposite films. <i>Polymer Bulletin</i> , 1	2.4	2