

Mf Shukur

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Version: 2024-04-27

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37
papers

1,300
citations

21
h-index

36
g-index

39
ext. papers

1,568
ext. citations

2.9
avg, IF

5.12
L-index

#	Paper	IF	Citations
37	Electrical characterization of corn starch-LiOAc electrolytes and application in electrochemical double layer capacitor. <i>Electrochimica Acta</i> , 2014 , 136, 204-216	6.7	114
36	Hydrogen ion conducting starch-chitosan blend based electrolyte for application in electrochemical devices. <i>Electrochimica Acta</i> , 2015 , 158, 152-165	6.7	107
35	Proton conducting polymer electrolyte based on plasticized chitosan/PEO blend and application in electrochemical devices. <i>Optical Materials</i> , 2013 , 35, 1834-1841	3.3	94
34	PMMA/PIBOB gel electrolyte for application in lithium ion batteries. <i>Solid State Ionics</i> , 2012 , 208, 36-42	3.3	87
33	Electrical properties of proton conducting solid biopolymer electrolytes based on starch-chitosan blend. <i>Ionics</i> , 2014 , 20, 977-999	2.7	86
32	Electrical double layer capacitor using poly(methyl methacrylate)/LiBO8/Li gel polymer electrolyte and carbonaceous material from shells of mata kucing (<i>Dimocarpus longan</i>) fruit. <i>Electrochimica Acta</i> , 2012 , 74, 39-45	6.7	81
31	Conductivity and electrical properties of corn starch-chitosan blend biopolymer electrolyte incorporated with ammonium iodide. <i>Physica Scripta</i> , 2014 , 89, 035701	2.6	79
30	NH ₄ NO ₃ as charge carrier contributor in glycerolized potato starch-methyl cellulose blend-based polymer electrolyte and the application in electrochemical double-layer capacitor. <i>Ionics</i> , 2017 , 23, 3429-3453	2.7	78
29	Electrical and transport properties of NH ₄ Br-doped cornstarch-based solid biopolymer electrolyte. <i>Ionics</i> , 2015 , 21, 111-124	2.7	65
28	Electrical analysis of amorphous corn starch-based polymer electrolyte membranes doped with LiI. <i>Physica Scripta</i> , 2013 , 88, 025601	2.6	60
27	Biopolymeric electrolyte based on glycerolized methyl cellulose with NH ₄ Br as proton source and potential application in EDLC. <i>Ionics</i> , 2018 , 24, 1651-1662	2.7	45
26	Ionic conductivity and dielectric properties of potato starch-magnesium acetate biopolymer electrolytes: the effect of glycerol and 1-butyl-3-methylimidazolium chloride. <i>Ionics</i> , 2016 , 22, 1113-1123	2.7	39
25	Dextran from <i>Leuconostoc mesenteroides</i> -doped ammonium salt-based green polymer electrolyte. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	37
24	The effect of NH ₄ NO ₃ towards the conductivity enhancement and electrical behavior in methyl cellulose-starch blend based ionic conductors. <i>Ionics</i> , 2017 , 23, 1137-1154	2.7	35
23	Influence of (NH ₄)Br as an ionic source on the structural/electrical properties of dextran-based biopolymer electrolytes and EDLC application. <i>Bulletin of Materials Science</i> , 2020 , 43, 1	1.7	33
22	Protonic Transport Analysis of Starch-Chitosan Blend Based Electrolytes and Application in Electrochemical Device. <i>Molecular Crystals and Liquid Crystals</i> , 2014 , 603, 52-65	0.5	26
21	Investigation of plasticized ionic conductor based on chitosan and ammonium bromide for EDLC application. <i>Materials Today: Proceedings</i> , 2019 , 17, 490-498	1.4	25

20	Characterization of starch-chitosan blend-based electrolyte doped with ammonium iodide for application in proton batteries. <i>Ionics</i> , 2017 , 23, 681-697	2.7	25
19	Conductivity and transport studies of plasticized chitosan-based proton conducting biopolymer electrolytes. <i>Physica Scripta</i> , 2013 , T157, 014050	2.6	24
18	Protonic cell performance employing electrolytes based on plasticized methylcellulose-potato starch-NH ₄ NO ₃ . <i>Ionics</i> , 2019 , 25, 559-572	2.7	22
17	Plasticized solid polymer electrolyte based on natural polymer blend incorporated with lithium perchlorate for electrical double-layer capacitor fabrication. <i>Ionics</i> , 2019 , 25, 5473-5484	2.7	21
16	Effect of plasticization on the conductivity and dielectric properties of starch-chitosan blend biopolymer electrolytes infused with NH ₄ Br. <i>Physica Scripta</i> , 2013 , T157, 014051	2.6	20
15	Effect of ammonium thiocyanate on ionic conductivity and thermal properties of polyvinyl alcohol-methylcellulose based polymer electrolytes. <i>Ionics</i> , 2020 , 26, 6083-6093	2.7	19
14	Ion conduction in chitosan-starch blend based polymer electrolyte with ammonium thiocyanate as charge provider. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	16
13	Conductivity studies of biopolymer electrolytes based on chitosan incorporated with NH ₄ Br. <i>Physica Scripta</i> , 2013 , T157, 014049	2.6	11
12	Optimization of the Electrochemical Performance of a Composite Polymer Electrolyte Based on PVA-KCO-SiO Composite. <i>Polymers</i> , 2020 , 13,	4.5	8
11	Structural and conductivity studies of polyacrylonitrile/methylcellulose blend based electrolytes embedded with lithium iodide. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 19590-19600	6.7	7
10	Dielectric Studies of Proton Conducting Polymer Electrolyte Based on Chitosan/PEO Blend Doped with NH ₄ NO ₃ . <i>Advanced Materials Research</i> , 2012 , 488-489, 583-587	0.5	7
9	Plasticized and plasticizer free lithium acetate doped polyvinyl alcohol-chitosan blend solid polymer electrolytes: Comparative studies. <i>Journal of Physics: Conference Series</i> , 2018 , 1123, 012001	0.3	6
8	Transport Properties of Chitosan/Peo Blend Based Proton Conducting Polymer Electrolyte. <i>Advanced Materials Research</i> , 2012 , 488-489, 114-117	0.5	5
7	Conductivity, structural and thermal properties of corn starch-lithium iodide nanocomposite polymer electrolyte incorporated with Al ₂ O ₃ . <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	4
6	Nanocomposite polymer electrolytes comprising starch-lithium acetate and titania for all-solid-state supercapacitor. <i>Ionics</i> , 2021 , 27, 853-865	2.7	3
5	Preparation and characterization of gel polymer electrolyte based on PVA-K ₂ CO ₃ . <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 1679-1697	1.5	2
4	3D graphene/fly ash waste material for hybrid supercapacitor electrode: specific capacitance analysis. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020 , 51, 713-718	0.9	2
3	A new approach to understanding the interaction effect of salt and plasticizer on solid polymer electrolytes using statistical model and artificial intelligence algorithm. <i>Journal of Non-Crystalline Solids</i> , 2022 , 587, 121597	3.9	2

2	Effect of yttrium-stabilized bismuth bilayer electrolyte thickness on the electrochemical performance of anode-supported solid oxide fuel cells. <i>Ceramics International</i> , 2021 , 47, 6310-6317	5.1	1
1	Ion conducting methylcellulose-polyvinyl alcohol blend based electrolytes incorporated with ammonium thiocyanate for electric double layer capacitor application. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 52076	2.9	1