Mf Shukur

List of Publications by Year in Descending Order

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	A new approach to understanding the interaction effect of salt and plasticizer on solid polymer electrolytes using statistical model and artificial intelligence algorithm. *Journal of Non-Crystalline Solids*, **2022**, 587, 121597	3.9	2
36	Ion conducting methylcellulose-polyvinyl alcohol blend based electrolytes incorporated with ammonium thiocyanate for electric double layer capacitor application. *Journal of Applied Polymer Science*, **2022**, 139, 52076	2.9	1
35	Conductivity, structural and thermal properties of corn starch-lithium iodide nanocomposite polymer electrolyte incorporated with Al2O3. *Journal of Polymer Research*, **2021**, 28, 1	2.7	4
34	Effect of yttrium-stabilized bismuth bilayer electrolyte thickness on the electrochemical performance of anode-supported solid oxide fuel cells. *Ceramics International*, **2021**, 47, 6310-6317	5.1	1
33	Nanocomposite polymer electrolytes comprising starch-lithium acetate and titania for all-solid-state supercapacitor. *Ionics*, **2021**, 27, 853-865	2.7	3
32	Preparation and characterization of gel polymer electrolyte based on PVA-K2CO3. *Polymer-Plastics Technology and Materials*, **2020**, 59, 1679-1697	1.5	2
31	Structural and conductivity studies of polyacrylonitrile/methylcellulose blend based electrolytes embedded with lithium iodide. *International Journal of Hydrogen Energy*, **2020**, 45, 19590-19600	6.7	7
30	Ion conduction in chitosan-starch blend based polymer electrolyte with ammonium thiocyanate as charge provider. *Journal of Polymer Research*, **2020**, 27, 1	2.7	16
29	3D graphene/fly ash waste material for hybrid supercapacitor electrode: specific capacitance analysis. *Materialwissenschaft Und Werkstofftechnik*, **2020**, 51, 713-718	0.9	2
28	Optimization of the Electrochemical Performance of a Composite Polymer Electrolyte Based on PVA-KCO-SiO Composite. *Polymers*, **2020**, 13,	4.5	8
27	Influence of (hbox {NH}_{4})Br as an ionic source on the structural/electrical properties of dextran-based biopolymer electrolytes and EDLC application. *Bulletin of Materials Science*, **2020**, 43, 1	1.7	33
26	Effect of ammonium thiocyanate on ionic conductivity and thermal properties of polyvinyl alcohol–methylcellulose-based polymer electrolytes. *Ionics*, **2020**, 26, 6083-6093	2.7	19
25	Investigation of plasticized ionic conductor based on chitosan and ammonium bromide for EDLC application. *Materials Today: Proceedings*, **2019**, 17, 490-498	1.4	25
24	Plasticized solid polymer electrolyte based on natural polymer blend incorporated with lithium perchlorate for electrical double-layer capacitor fabrication. *Ionics*, **2019**, 25, 5473-5484	2.7	21
23	Dextran from Leuconostoc mesenteroides-doped ammonium salt-based green polymer electrolyte. *Bulletin of Materials Science*, **2019**, 42, 1	1.7	37
22	Protonic cell performance employing electrolytes based on plasticized methylcellulose-potato starch-NH4NO3. *Ionics*, **2019**, 25, 559-572	2.7	22
21	Biopolymeric electrolyte based on glycerolized methyl cellulose with NH4Br as proton source and potential application in EDLC. *Ionics*, **2018**, 24, 1651-1662	2.7	45

20	Plasticized and plasticizer free lithium acetate doped polyvinyl alcohol–chitosan blend solid polymer electrolytes: Comparative studies. *Journal of Physics: Conference Series*, **2018**, 1123, 012001	0.3	6
19	NH4NO3 as charge carrier contributor in glycerolized potato starch-methyl cellulose blend-based polymer electrolyte and the application in electrochemical double-layer capacitor. *Ionics*, **2017**, 23, 3429-3453	2.7	78
18	The effect of NH4NO3 towards the conductivity enhancement and electrical behavior in methyl cellulose-starch blend based ionic conductors. *Ionics*, **2017**, 23, 1137-1154	2.7	35
17	Characterization of starch-chitosan blend-based electrolyte doped with ammonium iodide for application in proton batteries. *Ionics*, **2017**, 23, 681-697	2.7	25
16	Ionic conductivity and dielectric properties of potato starch-magnesium acetate biopolymer electrolytes: the effect of glycerol and 1-butyl-3-methylimidazolium chloride. *Ionics*, **2016**, 22, 1113-1123	2.7	39
15	Electrical and transport properties of NH4Br-doped cornstarch-based solid biopolymer electrolyte. *Ionics*, **2015**, 21, 111-124	2.7	65
14	Hydrogen ion conducting starch-chitosan blend based electrolyte for application in electrochemical devices. *Electrochimica Acta*, **2015**, 158, 152-165	6.7	107
13	Conductivity and electrical properties of corn starch–chitosan blend biopolymer electrolyte incorporated with ammonium iodide. *Physica Scripta*, **2014**, 89, 035701	2.6	79
12	Electrical characterization of corn starch-LiOAc electrolytes and application in electrochemical double layer capacitor. *Electrochimica Acta*, **2014**, 136, 204-216	6.7	114
11	Protonic Transport Analysis of Starch-Chitosan Blend Based Electrolytes and Application in Electrochemical Device. *Molecular Crystals and Liquid Crystals*, **2014**, 603, 52-65	0.5	26
10	Electrical properties of proton conducting solid biopolymer electrolytes based on starch–chitosan blend. *Ionics*, **2014**, 20, 977-999	2.7	86
9	Proton conducting polymer electrolyte based on plasticized chitosan–PEO blend and application in electrochemical devices. *Optical Materials*, **2013**, 35, 1834-1841	3.3	94
8	Conductivity and transport studies of plasticized chitosan-based proton conducting biopolymer electrolytes. *Physica Scripta*, **2013**, T157, 014050	2.6	24
7	Electrical analysis of amorphous corn starch-based polymer electrolyte membranes doped with LiI. *Physica Scripta*, **2013**, 88, 025601	2.6	60
6	Effect of plasticization on the conductivity and dielectric properties of starch–chitosan blend biopolymer electrolytes infused with NH4Br. *Physica Scripta*, **2013**, T157, 014051	2.6	20
5	Conductivity studies of biopolymer electrolytes based on chitosan incorporated with NH4Br. *Physica Scripta*, **2013**, T157, 014049	2.6	11
4	Electrical double layer capacitor using poly(methyl methacrylate)–C4BO8Li gel polymer electrolyte and carbonaceous material from shells of mata kucing (Dimocarpus longan) fruit. *Electrochimica Acta*, **2012**, 74, 39-45	6.7	81
3	PMMA–LiBOB gel electrolyte for application in lithium ion batteries. *Solid State Ionics*, **2012**, 208, 36-42	3.3	87

2	Dielectric Studies of Proton Conducting Polymer Electrolyte Based on Chitosan/PEO Blend Doped with NH4NO3. *Advanced Materials Research*, **2012**, 488-489, 583-587	0.5	7
1	Transport Properties of Chitosan/Peo Blend Based Proton Conducting Polymer Electrolyte. *Advanced Materials Research*, **2012**, 488-489, 114-117	0.5	5