

Tan Winie

List of Publications by Citations

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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.

85
papers

792
citations

14
h-index

25
g-index

97
ext. papers

915
ext. citations

2.2
avg, IF

4.44
L-index

#	Paper	IF	Citations
85	Investigation of mechanical properties of polyvinyl chloride-polyethylene oxide (PVC/PEO) based polymer electrolytes for lithium polymer cells. <i>European Polymer Journal</i> , 2007 , 43, 1963-1968	5.2	98
84	Dielectric behaviour and AC conductivity of LiCF ₃ SO ₃ doped H-chitosan polymer films. <i>Ionics</i> , 2004 , 10, 193-199	2.7	67
83	Grafted natural rubber-based polymer electrolytes: ATR-FTIR and conductivity studies. <i>Ionics</i> , 2008 , 14, 491-500	2.7	65
82	Transport properties of hexanoyl chitosan-based gel electrolyte. <i>Ionics</i> , 2006 , 12, 149-152	2.7	56
81	Studies on the structure and transport properties of hexanoyl chitosan-based polymer electrolytes. <i>Physica B: Condensed Matter</i> , 2009 , 404, 4308-4311	2.8	41
80	FT-IR studies on interactions among components in hexanoyl chitosan-based polymer electrolytes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 677-84	4.4	39
79	Ionic conductivity of chitosan membranes and application for electrochemical devices. <i>Polymers for Advanced Technologies</i> , 2006 , 17, 523-527	3.2	25
78	Conductivity and dielectric relaxation of Li salt in poly(ethylene oxide) and epoxidized natural rubber polymer electrolytes. <i>Ionics</i> , 2014 , 20, 189-199	2.7	22
77	Conductivity enhancement by controlled percolation of inorganic salt in multiphase hexanoyl chitosan/polystyrene polymer blends. <i>Frontiers of Materials Science</i> , 2015 , 9, 132-140	2.5	19
76	Electrical properties of PEO-LiCF ₃ SO ₃ -SiO ₂ nanocomposite polymer electrolytes. <i>Materials Research Innovations</i> , 2009 , 13, 255-258	1.9	19
75	Studies on the Structural and Electrical Properties of Hexanoyl Chitosan/Polystyrene-based Polymer Electrolytes. <i>Physics Procedia</i> , 2012 , 25, 215-220		18
74	Mechanical studies on poly(vinyl chloride)-poly(methyl methacrylate)-based polymer electrolytes. <i>Journal of Materials Science</i> , 2010 , 45, 1280-1283	4.3	18
73	Studies on cellulose acetate-based gel polymer electrolytes for proton batteries. <i>Materials Research Innovations</i> , 2009 , 13, 232-234	1.9	17
72	Transport studies on filler-doped chitosan based polymer electrolyte. <i>Ionics</i> , 2005 , 11, 451-455	2.7	17
71	On the thermodynamics of solid solutions of polymer and salt. <i>Polymer Engineering and Science</i> , 2012 , 52, 2277-2284	2.3	14
70	Solid solutions of hexanoyl chitosan/poly(vinyl chloride) blends and NaI for all-solid-state dye-sensitized solar cells. <i>Ionics</i> , 2019 , 25, 3373-3386	2.7	13
69	Effect of the surface treatment of the TiO ₂ fillers on the properties of hexanoyl chitosan/polystyrene blend-based composite polymer electrolytes. <i>Ionics</i> , 2014 , 20, 347-352	2.7	13

68	Effect of various plasticizers on the transport properties of hexanoyl chitosan-based polymer electrolyte. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 4474-4479	2.9	13
67	Thermal, Conductivity and Molecular Interaction Studies of Poly(ethylene oxide)/Poly(methyl acrylate) Solid Polymer Electrolytes. <i>Macromolecular Symposia</i> , 2017 , 371, 114-124	0.8	12
66	Improved long-term stability of dye-sensitized solar cell employing PMA/PVAc based gel polymer electrolyte. <i>Optical Materials</i> , 2019 , 96, 109349	3.3	11
65	Hexanoyl chitosan/ENR25 blend polymer electrolyte system for electrical double layer capacitor. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 726-735	3.2	11
64	Influence of molar mass on the thermal properties, conductivity and intermolecular interaction of poly(ethylene oxide) solid polymer electrolytes. <i>Polymer International</i> , 2017 , 66, 830-838	3.3	10
63	Characterization of PMA/PAAI and PVAc/PAAI solid polymer electrolytes and application in dye-sensitized solar cell. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46835	2.9	10
62	Study on factors governing the conductivity performance of acylated chitosan-NaI electrolyte system. <i>Ionics</i> , 2017 , 23, 3045-3056	2.7	9
61	Influence of 1-methyl-3-propylimidazolium iodide ionic liquid on the performance of dye-sensitized solar cell using hexanoyl chitosan/poly(vinyl chloride) based polymer electrolyte. <i>Optik</i> , 2020 , 208, 164558 ²⁵	2.5	9
60	Microwave-assisted reduction of graphene oxide for an electrochemical supercapacitor: Structural and capacitance behavior. <i>Materials Chemistry and Physics</i> , 2021 , 262, 124274	4.4	8
59	Effect of ionic liquid concentration on the photovoltaic performance of dye-sensitized solar cell. <i>Materials Today: Proceedings</i> , 2019 , 17, 401-407	1.4	7
58	Selective localization of lithium trifluoromethanesulfonate in the blend of hexanoyl chitosan and polystyrene. <i>High Performance Polymers</i> , 2014 , 26, 666-671	1.6	7
57	Hexanoyl chitosan-based gel electrolyte for use in lithium-ion cell. <i>Polymers for Advanced Technologies</i> , 2006 , 17, 552-555	3.2	7
56	Flexible solid-like electrolytes with ultrahigh conductivity and their applications in all-solid-state supercapacitors.. <i>RSC Advances</i> , 2018 , 8, 30239-30247	3.7	7
55	Ac Conductivity and Dielectric Properties of Hexanoyl Chitosan-LiClO ₄ -TiO ₂ Composite Polymer Electrolytes. <i>Advanced Materials Research</i> , 2011 , 335-336, 873-880	0.5	6
54	Blends of hexanoyl chitosan/epoxidized natural rubber doped with EMImTFSI. <i>Ionics</i> , 2017 , 23, 357-366	2.7	5
53	Dye-sensitized solar cell based on poly(ϵ -caprolactone) gel polymer electrolyte and cobalt selenide counter electrode. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	5
52	Charge carrier density and mobility of poly(vinyl chloride)-based polymer electrolyte using impedance spectroscopy. <i>Materials Today: Proceedings</i> , 2017 , 4, 5130-5137	1.4	5
51	PVdF-HFP Quasi-solid-state Electrolyte for Application in Dye-sensitized Solar Cells 2018 , 9, 1187		5

50	Polymer Electrolytes for Supercapacitor and Challenges 2020 , 231-297		5
49	Biopolymer Electrolytes for Energy Devices 2016 , 311-355		5
48	The synergistic effect of iron cobaltite compare to its single oxides as cathode in supercapacitor. <i>Journal of Electroceramics</i> , 2020 , 44, 183-194	1.5	4
47	Analyzing FTIR spectra using high sensitivity compare function of FTIR software for 2-pack epoxy paints 2015 ,		4
46	Effect of Anion Size on the Conductivity Behaviour of Hexanoyl Chitosan-Based Polymer Electrolytes. <i>Advanced Materials Research</i> , 2012 , 545, 317-320	0.5	4
45	Ionic liquid effect for efficiency improvement in poly(methyl acrylate)/poly(vinyl acetate)-based dye-sensitized solar cells. <i>High Performance Polymers</i> , 2018 , 30, 937-948	1.6	4
44	Thermomechanical Analysis of Isora Nanofibril Incorporated Polyethylene Nanocomposites. <i>Polymers</i> , 2021 , 13,	4.5	4
43	Stability improvement by incorporating poly(ϵ -caprolactone) in dimethylformamide-potassium iodide liquid electrolyte for dye-sensitized solar cell. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 2411-2421	2.6	3
42	Effect of temperature on the transport property of PVdF-HFP-MPII-PC/DME gel polymer electrolytes 2017 ,		3
41	PEMA - LiCF ₃ SO ₃ polymer electrolytes: Assessment of conductivity and transport properties 2017 ,		3
40	Characterisation of Al ₂ O ₃ doped hexanoyl chitosan-LiCF ₃ SO ₃ EC polymer electrolytes. <i>Materials Research Innovations</i> , 2009 , 13, 249-251	1.9	3
39	Characterization of Plasticized Hexanoyl Chitosan-Based Polymer Electrolytes and Application in LiCoO ₂ /MCMB Cells. <i>Materials Science Forum</i> , 2006 , 517, 85-88	0.4	3
38	Dielectric and AC conductivity behavior of Hexanoyl Chitosan-Nal based polymer electrolytes. <i>International Journal of Advanced and Applied Sciences</i> , 2016 , 3, 9-13	1.2	3
37	Polymer Electrolyte Application in Electrochemical Devices 2020 , 137-186		3
36	Impedance Spectroscopy in Polymer Electrolyte Characterization 2020 , 23-64		3
35	Polymer Electrolytes for Quantum Dot-Sensitized Solar Cells (QDSSCs) and Challenges 2020 , 299-337		3
34	Mixed doped lithium nickel vanadate as cathode material by sol-gel and polymer precursor method. <i>Materials Research Innovations</i> , 2011 , 15, s86-s91	1.9	2
33	Structural and electrical studies of hexanoyl chitosan based electrolyte system. <i>Materials Research Innovations</i> , 2011 , 15, s94-s96	1.9	2

32	Electrical Studies On Hexanoyl Chitosan-based Nanocomposite Polymer Electrolytes 2009 ,		2
31	Synergistic effect of sulfur-doped reduced graphene oxide created via microwave-assisted synthesis for supercapacitor applications. <i>Diamond and Related Materials</i> , 2021 , 108696	3.5	2
30	Polymer Electrolytes 2020 , 1-21		2
29	Effect of Temperature on Conductivity Performance of PEO-NaI Based Polymer Electrolytes. <i>Advanced Materials Research</i> , 2017 , 1142, 128-133	0.5	1
28	The Influence of Temperature on Conductivity and Dielectric Properties of PMA/PVAc Blend with Addition of TPAI Salt. <i>Materials Science Forum</i> , 2017 , 889, 201-206	0.4	1
27	Characterisation of Polymer Electrolytes Based on High Molecular Weight PVC and BMIMCF3SO3. <i>Key Engineering Materials</i> , 2016 , 705, 150-154	0.4	1
26	Study on miscibility of poly(methyl acrylate) and poly(vinyl acetate) by viscometric, thermal and structural analyses. <i>Materials Today: Proceedings</i> , 2017 , 4, 5100-5107	1.4	1
25	Studies on the effect of acid treated TiO2 on the electrical and tensile properties of hexanoyl chitosan-polystyrene-LiCF3SO3 composite polymer electrolytes 2015 ,		1
24	FTIR and Electrical Studies of Hexanoyl Chitosan-Based Nanocomposite Polymer Electrolytes. <i>Advanced Materials Research</i> , 2014 , 1043, 36-39	0.5	1
23	Ac Conductivity Study of Hexanoyl Chitosan-LiCF3SO3-EC-Al2O3 Nanocomposite Polymer Electrolytes. <i>Advanced Materials Research</i> , 2013 , 667, 93-98	0.5	1
22	Effect of Filler Type on the Electrical Properties of Hexanoyl Chitosan-Based Polymer Electrolytes. <i>Advanced Materials Research</i> , 2013 , 832, 224-227	0.5	1
21	Effects of double solvents/plasticisers on proton conducting gel polymer electrolytes. <i>Materials Research Innovations</i> , 2009 , 13, 298-301	1.9	1
20	Electrical conductivity of solvent free PEO based polymer electrolytes. <i>Materials Research Innovations</i> , 2009 , 13, 272-274	1.9	1
19	Effect of Amino Acid (L-Leucine) on the Conductivity of PVA/CHITOSAN-LiCF3SO3 2009 ,		1
18	Effect of Ethylene Sulphite on the Conductivity and Morphology of PEO-KOH Films. <i>Materials Science Forum</i> , 2006 , 517, 89-92	0.4	1
17	Long-run performance of dye-sensitized solar cell using natural dye extracted from <i>Costus woodsonii</i> leaves. <i>Optical Materials</i> , 2022 , 123, 111915	3.3	1
16	Thermal Characterization of Polymer Electrolytes 2020 , 65-92		1
15	Insight on Polymer Electrolytes for Electrochemical Devices Applications 2020 , 113-136		1

14	Energy in a Portable World 2020 , 93-112		1
13	Pentafluoropyridine functionalized novel heteroatom-doped with hierarchical porous 3D cross-linked graphene for supercapacitor applications.. <i>RSC Advances</i> , 2021 , 11, 26892-26907	3.7	1
12	Effect of solvent donor number and temperature on the conductivity of liquid electrolyte. <i>Materials Today: Proceedings</i> , 2019 , 17, 459-464	1.4	0
11	Structural and Electrical Characterization of Hexanoyl Chitosan-LiClO ₄ -TiO ₂ -DMC Polymer Electrolytes. <i>Key Engineering Materials</i> , 2013 , 594-595, 608-612	0.4	0
10	Hexanoyl Chitosan-Polystyrene Blend Based Composite Polymer Electrolyte with Surface Treated TiO ₂ Fillers. <i>Key Engineering Materials</i> , 2013 , 594-595, 656-660	0.4	0
9	Flower-like nanosheets FeCo ₂ O ₄ for application in supercapacitor and dye-sensitized solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 3648	2.1	0
8	Polymer Electrolytes for Lithium Ion Batteries and Challenges: Part I 2020 , 187-199		0
7	Polymer Electrolytes for Electrochromic Windows 2020 , 365-389		0
6	Special proceedings of the International Symposium on Materials and Assets Integrity (ISMAI 2016) Advancements and Innovations in Materials and Asset Integrity Analysis and Management during 10th International Materials Technology Conference & Exhibition (IMTCE 2016), Kuala Lumpur, Malaysia, 16-18 May 2016. <i>Ionics</i> , 2017 , 23, 253-255	2.7	
5	Effect of H ₂ SO ₄ Treated TiO ₂ Nano Fillers on the AC Conductivity of Hexanoyl Chitosan-Polystyrene-LiCF ₃ SO ₃ Polymer Electrolytes. <i>Advanced Materials Research</i> , 2013 , 832, 228-232	0.5	
4	Comparative study of nickel selenide, iron selenide and platinum on triiodide reduction for dye-sensitized solar cells. <i>Optical Materials: X</i> , 2021 , 13, 100119	1.7	
3	Polymer Electrolytes for Lithium Ion Batteries and Challenges 2020 , 201-230		
2	Polymer Electrolytes for Perovskite Solar Cell and Challenges 2020 , 339-363		
1	Development of pma/pvac-tpai-bmii solid polymer electrolytes for application in dye sensitized solar cell. <i>E3S Web of Conferences</i> , 2018 , 67, 03032	0.5	