Chin Han Chan

List of Publications by Year
in descending order

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54	595	623188	676716
papers	citations	14	22
		h-index	g-index

56	56	56	527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystallization and Melting Behavior of Poly(3-hydroxybutyrate)-Based Blends. Macromolecular Chemistry and Physics, 2004, 205, 664-675.	1.1	64
2	Effect of reinforcement on the barrier and dielectric properties of epoxidized natural rubber-graphene nanocomposites. Polymer Engineering and Science, 2015, 55, 2439-2447.	1.5	50
3	Electrochemical studies on composite gel polymer electrolytes for lithium sulfurâ€batteries. Journal of Applied Polymer Science, 2017, 134, .	1.3	43
4	Conductivity and dielectric relaxation of Li salt in poly(ethylene oxide) and epoxidized natural rubber polymer electrolytes. Ionics, 2014, 20, 189-199.	1.2	27
5	On Thermal and Spectroscopic Studies of Poly(ethylene oxide)/Poly(methyl methacrylate) Blends with Lithium Perchlorate. Macromolecular Symposia, 2015, 354, 374-383.	0.4	26
6	Ionic Conductivity in Solutions of Poly(ethylene oxide) and Lithium Perchlorate. Macromolecular Symposia, 2010, 290, 46-55.	0.4	25
7	Impedance spectra of polymer electrolytes. Ionics, 2017, 23, 2327-2337.	1.2	22
8	Polymer electrolytesâ€"relaxation and transport properties. Ionics, 2015, 21, 927-934.	1.2	20
9	Characterization of polymer electrolytes by dielectric response using electrochemical impedance spectroscopy. Pure and Applied Chemistry, 2018, 90, 939-953.	0.9	20
10	Low Frequency Dielectric Relaxation and Conductance of Solid Polymer Electrolytes with PEO and Blends of PEO and PMMA. Polymers, 2020, 12, 1009.	2.0	20
11	Electronic Applications of Polymer Electrolytes of Epoxidized Natural Rubber and Its Composites. Springer Series on Polymer and Composite Materials, 2016, , 37-59.	0.5	18
12	On the thermodynamics of solid solutions of polymer and salt. Polymer Engineering and Science, 2012, 52, 2277-2284.	1.5	16
13	Thermal, Conductivity and Molecular Interaction Studies of Poly(ethylene oxide)/Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.4	16
14	Investigation on the thermal and crystallization behavior of high density polyethylene/acrylonitrile butadiene rubber blends and their composites. Polymer Engineering and Science, 2015, 55, 1203-1210.	1.5	15
15	Thermal Properties and Intermolecular Interaction of Blends of Poly(ethylene oxide) and Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Ove	0.4	15
16	Electrical Properties of Graphene Filled Natural Rubber Composites. Advanced Materials Research, 0, 812, 263-266.	0.3	14
17	Influence of molar mass on the thermal properties, conductivity and intermolecular interaction of poly(ethylene oxide) solid polymer electrolytes. Polymer International, 2017, 66, 830-838.	1.6	14
18	Basics of teaching electrochemical impedance spectroscopy of electrolytes for ion-rechargeable batteriesÂâ€“ part 1: a good practice on estimation of bulk resistance of solid polymer electrolytes. Chemistry Teacher International, 2021, 3, 105-115.	0.9	13

#	Article	IF	Citations
19	On dielectrics of polymer electrolytes studied by impedance spectroscopy. Ionics, 2016, 22, 1659-1667.	1.2	12
20	Thermal analysis: basic concept of differential scanning calorimetry and thermogravimetry for beginners. Chemistry Teacher International, 2021, 3, 59-75.	0.9	11
21	Reconsidering terms for mechanisms of polymer growth: the â€œstep-growthâ€•and â€œchain-growthâ€• dilemma. Polymer Chemistry, 2022, 13, 2262-2270.	1.9	11
22	Melt Rheological Behavior and Morphology of Poly(ethylene oxide)/Natural Rubber-graft-Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	10
23	Miscibility and Conductivities of PEO/PMMA-LiClO₄ Solid Polymer Electrolyte. Advanced Materials Research, 0, 812, 267-270.	0.3	9
24	Phase behaviour and morphology of composite comprising of poly(ethylene oxide), polyacrylate and lithium perchlorate. Composite Interfaces, 2014, 21, 797-805.	1.3	9
25	About glass transition in polymer-salt mixtures. Polymer Testing, 2019, 79, 105994.	2.3	9
26	Thermomechanical Analysis of Isora Nanofibril Incorporated Polyethylene Nanocomposites. Polymers, 2021, 13, 299.	2.0	9
27	Ac Conductivity and Dielectric Properties of Hexanoyl Chitosan-LiClO₄-TiO₂ Composite Polymer Electrolytes. Advanced Materials Research, 0, 335-336, 873-880.	0.3	8
28	Impedance spectroscopy of polymer electrolytes based on epoxidized natural rubber with 50 mol% epoxide content. Polymer Engineering and Science, 2015, 55, 2250-2255.	1.5	8
29	Effects on the Properties after Addition of Lithium Salt in Poly(ethylene oxide)/Poly(methyl acrylate) Blends. Polymers, 2020, 12, 2963.	2.0	7
30	Basics of teaching electrochemical impedance spectroscopy of electrolytes for ion-rechargeable batteriesÂâ€“ part 2: dielectric response of (non-) polymer electrolytes. Chemistry Teacher International, 2021, 3, 117-129.	0.9	7
31	Quality Control Tests and Matching Fourierâ€Transform Infrared Spectra for Raw and Intermediate Materials of 2â€Pack Epoxy Paints. Macromolecular Symposia, 2016, 365, 209-222.	0.4	6
32	Selective localization of lithium perchlorate in immiscible blends of poly(ethylene oxide) and epoxidized natural rubber. , 2010, , .		5
33	Quo Vadis, Macromolecular Science? Reflections by the IUPAC Polymer Division on the Occasion of the Staudinger Centenary. Israel Journal of Chemistry, 2020, 60, 9-19.	1.0	5
34	Analyzing FTIR spectra using high sensitivity compare function of FTIR software for 2-pack epoxy paints. AIP Conference Proceedings, 2015, , .	0.3	4
35	POLYMER ELECTROLYTE BLENDS OF MONO-CARBOXYLIC ACIDâ€“MODIFIED EPOXIDIZED NATURAL RUBBER AND POLY(ETHYLENEOXIDE). Rubber Chemistry and Technology, 2018, 91, 120-135.	0.6	4
36	Influence of Thermal Treatment on the Molecular Weights of Polyhydroxyalkanoate Containing 3-Hydroxyhexanoate. Advanced Materials Research, 2013, 812, 250-253.	0.3	3

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37	Batchâ€toâ€Batch Reproducibility Studies of Pilotâ€Scale Emulsion Polymerization of Poly(styreneâ€coâ€butyl acrylate). Macromolecular Symposia, 2018, 382, 1800159.	0.4	3
38	Physical and structural analyses for batch-to-batch consistency of epoxy paints: a case study on epoxy coatings for oil and gas industry in Malaysia. Corrosion Engineering Science and Technology, 2018, 53, 468-476.	0.7	3
39	Influence of thermal treatment on the properties and intermolecular interactions of epoxidized natural rubber-salt systems. Pure and Applied Chemistry, 2021, 93, 1119-1139.	0.9	3
40	Effect of Filler Type on the Electrical Properties of Hexanoyl Chitosan-Based Polymer Electrolytes. Advanced Materials Research, 2013, 832, 224-227.	0.3	2
41	Polymer Education of Public Universities in Malaysia. Macromolecular Symposia, 2015, 355, 75-81.	0.4	2
42	The Contribution of IUPAC to Polymer Science Education. Journal of Chemical Education, 2017, 94, 1618-1628.	1.1	2
43	Fourier transform infrared (<scp>FTIR)</scp> authentication and batchâ€toâ€batch consistency for different types of paints using benchtop and handheld <scp>FTIR</scp> spectrophotometers for oil and gas industry. Polymer Engineering and Science, 2021, 61, 2757-2770.	1.5	2
44	Effect of epoxidation level on thermal properties and ionic conductivity of epoxidized natural rubber solid polymer nanocomposite electrolytes. AIP Conference Proceedings, 2015, , .	0.3	1
45	Evidence of Melt Reaction Between Poly(3-Hydroxybutyrate-co-3-Hydroxyhexanoate) and Epoxidized Natural Rubber as Investigated by DSC, Isothermal TGA and FTIR Analyses. Macromolecular Symposia, 2016, 365, 81-86.	0.4	1
46	Dielectric properties of processed cheese. Pure and Applied Chemistry, 2021, 93, 1087-1096.	0.9	1
47	Preparation and characterisation of blends of poly(ethylene oxide) and functionalised epoxidised natural rubber. International Journal of Materials Engineering Innovation, 2013, 4, 314.	0.2	0
48	Effect of H₂SO₄ Treated TiO₂ Nano Fillers on the AC Conductivity of Hexanoyl Chitosan-Polystyrene-LiCF₃SO₃ Polymer Electrolytes. Advanced Materials Research, 2013, 832, 228-232.	0.3	0
49	Investigation of miscibility of p(3hydroxybutyrate-co-3hydroxyhexanoate) and epoxidized natural rubber blends. AIP Conference Proceedings, 2015, , .	0.3	0
50	Studies on Nonâ€Isothermal Crystallisation and Viscoelastic Properties of Poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyhexanoate) and Epoxidized Natural Rubber Blends. Macromolecular Symposia, 2017, 371, 107-113.	0.4	0
51	25th World Forum on Advanced Materials (POLYCHAR-25). Pure and Applied Chemistry, 2018, 90, 937-938.	0.9	0
52	Special issue of Chemistry Teacher International in Polymer Sciences. Chemistry Teacher International, 2021, 3, 1-1.	0.9	0
53	International Polymer Characterization Conferenceâ€"POLY-CHAR 2020 (Venice). Chemistry International, 2021, 43, 46-47.	0.3	0
54	Mid and Far Fourierâ€Transform Infrared Authentication Analysis for Polymeric Paints and Their Raw Materials. Macromolecular Symposia, 2021, 399, 2100139.	0.4	0