

Chin Han Chan

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.

49
papers

403
citations

12
h-index

17
g-index

56
ext. papers

490
ext. citations

1.9
avg, IF

3.91
L-index

#	Paper	IF	Citations
49	Thermal analysis: basic concept of differential scanning calorimetry and thermogravimetry for beginners. <i>Chemistry Teacher International</i> , 2021 , 3, 59-75	1	4
48	Mid and Far Fourier-Transform Infrared Authentication Analysis for Polymeric Paints and Their Raw Materials. <i>Macromolecular Symposia</i> , 2021 , 399, 2100139	0.8	
47	Basics of teaching electrochemical impedance spectroscopy of electrolytes for ion-rechargeable batteries [part 1: a good practice on estimation of bulk resistance of solid polymer electrolytes. <i>Chemistry Teacher International</i> , 2021 , 3, 105-115	1	2
46	Special issue of Chemistry Teacher International in Polymer Sciences. <i>Chemistry Teacher International</i> , 2021 , 3, 1-1	1	
45	Basics of teaching electrochemical impedance spectroscopy of electrolytes for ion-rechargeable batteries [part 2: dielectric response of (non-) polymer electrolytes. <i>Chemistry Teacher International</i> , 2021 , 3, 117-129	1	2
44	Fourier transform infrared (FTIR) authentication and batch-to-batch consistency for different types of paints using benchtop and handheld FTIR spectrophotometers for oil and gas industry. <i>Polymer Engineering and Science</i> , 2021 , 61, 2757	2.3	1
43	Thermomechanical Analysis of Isora Nanofibril Incorporated Polyethylene Nanocomposites. <i>Polymers</i> , 2021 , 13,	4.5	4
42	Effects on the Properties after Addition of Lithium Salt in Poly(ethylene oxide)/Poly(methyl acrylate) Blends. <i>Polymers</i> , 2020 , 12,	4.5	2
41	Low Frequency Dielectric Relaxation and Conductance of Solid Polymer Electrolytes with PEO and Blends of PEO and PMMA. <i>Polymers</i> , 2020 , 12,	4.5	11
40	Quo Vadis, Macromolecular Science? Reflections by the IUPAC Polymer Division on the Occasion of the Staudinger Centenary. <i>Israel Journal of Chemistry</i> , 2020 , 60, 9-19	3.4	4
39	Melt Rheological Behavior and Morphology of Poly(ethylene oxide)/Natural Rubber--Poly(methyl methacrylate) Blends. <i>Polymers</i> , 2020 , 12,	4.5	4
38	About glass transition in polymer-salt mixtures. <i>Polymer Testing</i> , 2019 , 79, 105994	4.5	5
37	Characterization of polymer electrolytes by dielectric response using electrochemical impedance spectroscopy. <i>Pure and Applied Chemistry</i> , 2018 , 90, 939-953	2.1	11
36	25th World Forum on Advanced Materials (POLYCHAR-25). <i>Pure and Applied Chemistry</i> , 2018 , 90, 937-938.1		
35	POLYMER ELECTROLYTE BLENDS OF MONO-CARBOXYLIC ACID-MODIFIED EPOXIDIZED NATURAL RUBBER AND POLY(ETHYLENEOXIDE). <i>Rubber Chemistry and Technology</i> , 2018 , 91, 120-135	1.7	2
34	Batch-to-Batch Reproducibility Studies of Pilot-Scale Emulsion Polymerization of Poly(styrene-co-butyl acrylate). <i>Macromolecular Symposia</i> , 2018 , 382, 1800159	0.8	2
33	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. <i>Corrosion Engineering Science and Technology</i> , 2018 , 53, 468-476	1.7	3

32	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
31	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
30	Studies on Non-Isothermal Crystallisation and Viscoelastic Properties of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) and Epoxidized Natural Rubber Blends. <i>Macromolecular Symposia</i> , 2017 , 371, 107-113	0.8	
29	Impedance spectra of polymer electrolytes. <i>Ionics</i> , 2017 , 23, 2327-2337	2.7	17
28	The Contribution of IUPAC to Polymer Science Education. <i>Journal of Chemical Education</i> , 2017 , 94, 1618-1628	1.4	0
27	Electrochemical studies on composite gel polymer electrolytes for lithium sulfur-batteries. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	34
26	Electronic Applications of Polymer Electrolytes of Epoxidized Natural Rubber and Its Composites. <i>Springer Series on Polymer and Composite Materials</i> , 2016 , 37-59	0.9	8
25	On dielectrics of polymer electrolytes studied by impedance spectroscopy. <i>Ionics</i> , 2016 , 22, 1659-1667	2.7	10
24	Evidence of Melt Reaction Between Poly(3-Hydroxybutyrate-co-3-Hydroxyhexanoate) and Epoxidized Natural Rubber as Investigated by DSC, Isothermal TGA and FTIR Analyses. <i>Macromolecular Symposia</i> , 2016 , 365, 81-86	0.8	
23	Quality Control Tests and Matching Fourier-Transform Infrared Spectra for Raw and Intermediate Materials of 2-Pack Epoxy Paints. <i>Macromolecular Symposia</i> , 2016 , 365, 209-222	0.8	5
22	Thermal Properties and Intermolecular Interaction of Blends of Poly(ethylene oxide) and Poly(methyl acrylate). <i>Macromolecular Symposia</i> , 2016 , 365, 95-103	0.8	10
21	Polymer electrolytes Relaxation and transport properties. <i>Ionics</i> , 2015 , 21, 927-934	2.7	14
20	Investigation on the thermal and crystallization behavior of high density polyethylene/acrylonitrile butadiene rubber blends and their composites. <i>Polymer Engineering and Science</i> , 2015 , 55, 1203-1210	2.3	12
19	Analyzing FTIR spectra using high sensitivity compare function of FTIR software for 2-pack epoxy paints 2015 ,		4
18	On Thermal and Spectroscopic Studies of Poly(ethylene oxide)/Poly(methyl methacrylate) Blends with Lithium Perchlorate. <i>Macromolecular Symposia</i> , 2015 , 354, 374-383	0.8	22
17	Polymer Education of Public Universities in Malaysia. <i>Macromolecular Symposia</i> , 2015 , 355, 75-81	0.8	1
16	Impedance spectroscopy of polymer electrolytes based on epoxidized natural rubber with 50 mol% epoxide content. <i>Polymer Engineering and Science</i> , 2015 , 55, 2250-2255	2.3	5
15	Effect of reinforcement on the barrier and dielectric properties of epoxidized natural rubber/graphene nanocomposites. <i>Polymer Engineering and Science</i> , 2015 , 55, 2439-2447	2.3	38

14	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
13	Phase behaviour and morphology of composite comprising of poly(ethylene oxide), polyacrylate and lithium perchlorate. <i>Composite Interfaces</i> , 2014 , 21, 797-805	2.3	6
12	Preparation and characterisation of blends of poly(ethylene oxide) and functionalised epoxidised natural rubber. <i>International Journal of Materials Engineering Innovation</i> , 2013 , 4, 314	0.9	
11	Influence of Thermal Treatment on the Molecular Weights of Polyhydroxyalkanoate Containing 3-Hydroxyhexanoate. <i>Advanced Materials Research</i> , 2013 , 812, 250-253	0.5	3
10	Electrical Properties of Graphene Filled Natural Rubber Composites. <i>Advanced Materials Research</i> , 2013 , 812, 263-266	0.5	12
9	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	
8	Miscibility and Conductivities of PEO/PMMA-LiClO ₄ Solid Polymer Electrolyte. <i>Advanced Materials Research</i> , 2013 , 812, 267-270	0.5	9
7	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
6	On the thermodynamics of solid solutions of polymer and salt. <i>Polymer Engineering and Science</i> , 2012 , 52, 2277-2284	2.3	14
5	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
4	Selective localization of lithium perchlorate in immiscible blends of poly(ethylene oxide) and epoxidized natural rubber 2010 ,		4
3	Ionic Conductivity in Solutions of Poly(ethylene oxide) and Lithium Perchlorate. <i>Macromolecular Symposia</i> , 2010 , 290, 46-55	0.8	21
2	Crystallization and Melting Behavior of Poly(3-hydroxybutyrate)-Based Blends. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 664-675	2.6	44
1	Reconsidering terms for mechanisms of polymer growth: the "step-growth" and "chain-growth" dilemma. <i>Polymer Chemistry</i> ,	4.9	1