Ciprian G Iacob

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1428517/publications.pdf

Version: 2024-02-01

25 papers	652 citations	687363 13 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	946 citing authors

#	Article	IF	Citations
1	How Hydrogen Bonds Influence the Mobility of Imidazolium-Based Ionic Liquids. A Combined Theoretical and Experimental Study of 1-n-Butyl-3-methylimidazolium Bromide. Journal of Physical Chemistry B, 2011, 115, 15280-15288.	2.6	118
2	Charge transport and diffusion of ionic liquids in nanoporous silica membranes. Physical Chemistry Chemical Physics, 2010, 12, 13798.	2.8	109
3	Polymerized Ionic Liquids: Correlation of Ionic Conductivity with Nanoscale Morphology and Counterion Volume. ACS Macro Letters, 2017, 6, 941-946.	4.8	65
4	Correlation between polarity parameters and dielectric properties of [Na][TOTO]â€"a sodium ionic liquid. Physical Chemistry Chemical Physics, 2010, 12, 14341.	2.8	48
5	Molecular Order and Dynamics of Tris(2-ethylhexyl)phosphate Confined in Uni-Directional Nanopores. Zeitschrift Fur Physikalische Chemie, 2012, 226, 797-805.	2.8	39
6	Limitations of predictingin vivobiostability of multiphase polyurethane elastomers using temperature-accelerated degradation testing. , 2015, 103, 159-168.		38
7	Ion Transport in Pendant and Backbone Polymerized Ionic Liquids. Macromolecules, 2019, 52, 6438-6448.	4.8	30
8	The interplay between inter- and intra-molecular dynamics in a series of alkylcitrates. Soft Matter, 2013, 9, 4681.	2.7	22
9	Ion Transport and Mechanical Properties of Non-Crystallizable Molecular Ionic Composite Electrolytes. Macromolecules, 2020, 53, 1405-1414.	4.8	22
10	Molecular Dynamics of Polyfarnesene. Macromolecules, 2018, 51, 4917-4922.	4.8	21
11	Molecular dynamics and morphology of confined 4-heptyl-4â€²-isothiocyanatobiphenyl liquid crystals. Soft Matter, 2012, 8, 5194.	2.7	19
12	Introducing Large Counteranions Enhances the Elastic Modulus of Imidazolium-Based Polymerized Ionic Liquids. Macromolecules, 2018, 51, 4129-4142.	4.8	17
13	Glassy dynamics of two poly(ethylene glycol) derivatives in the bulk and in nanometric confinement as reflected in its inter- and intra-molecular interactions. Journal of Chemical Physics, 2018, 149, 064501.	3.0	17
14	Structural Characterization of Silica and Amino-Silica Nanoparticles by Fourier Transform Infrared (FTIR) and Raman Spectroscopy. Analytical Letters, 2023, 56, 390-403.	1.8	16
15	Environmental stress cracking performance of polyether and PDMSâ€based polyurethanes in an in vitro oxidation model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 1544-1558.	3.4	13
16	Charge Transport of Polyester Ether Ionomers in Unidirectional Silica Nanopores. ACS Macro Letters, 2016, 5, 476-480.	4.8	11
17	Ionogels as Polymer Electrolytes for Lithiumâ€"Metal Batteries: Comparison of Poly(ethylene glycol) Diacrylate and an Imidazolium-Based Ionic Liquid Crosslinker. ACS Applied Polymer Materials, 2022, 4, 2794-2805.	4.4	11
18	Ion Dynamics of Monomeric Ionic Liquids Polymerized In Situ within Silica Nanopores. ACS Applied Materials & Interfaces, 2020, 12, 44325-44334.	8.0	10

#	Article	IF	Citations
19	Crystalline microstructure and dielectric properties of oriented poly(ethylene-co-tetrafluoroethylene). Polymer, 2017, 113, 1-8.	3.8	9
20	Glassy dynamics predicted by mutual role of free and activation volumes. Soft Matter, 2019, 15, 4656-4661.	2.7	7
21	Broadband Dielectric Spectroscopy (BDS) investigation of molecular relaxations in durum wheat dough at low temperatures and their relationship with rheological properties. LWT - Food Science and Technology, 2022, 161, 113345.	5.2	4
22	Elucidating the impact of extreme nanoscale confinement on segmental and chain dynamics of unentangled poly(cis-1,4-isoprene). European Physical Journal E, 2019, 42, 137.	1.6	3
23	Charge Transport and Glassy Dynamics in Blends Based on 1-Butyl-3-vinylbenzylimidazolium Bis(trifluoromethanesulfonyl)imide Ionic Liquid and the Corresponding Polymer. Polymers, 2022, 14, 2423.	4.5	2
24	Rotational Diffusion of Guest Molecules Confined in Uni-directional Nanopores. Advances in Dielectrics, 2014, , 127-149.	1.2	1
25	Rotational and Translational Diffusion of Ionic Liquids in Silica Nanopores. Advances in Dielectrics, 2014, , 151-163.	1.2	0