

Inna A Malyshkina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/663764/publications.pdf>

Version: 2024-02-01

66
papers

1,113
citations

430843

18
h-index

414395

32
g-index

66
all docs

66
docs citations

66
times ranked

1086
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and synthesis of new anionic "polymeric ionic liquids" with high charge delocalization. <i>Polymer Chemistry</i> , 2011, 2, 2609.	3.9	96
2	The influence of ionic liquid's nature on free radical polymerization of vinyl monomers and ionic conductivity of the obtained polymeric materials. <i>Polymers for Advanced Technologies</i> , 2007, 18, 50-63.	3.2	92
3	Polymeric Ionic Liquids: Comparison of Polycations and Polyanions. <i>Macromolecules</i> , 2011, 44, 9792-9803.	4.8	84
4	Bis(trifluoromethylsulfonyl)amide based "polymeric ionic liquids": Synthesis, purification and peculiarities of structure"properties relationships. <i>Electrochimica Acta</i> , 2011, 57, 74-90.	5.2	84
5	Cyclopolymerization of <i>N,N</i> -Dipropargylamines and <i>N,N</i> -Dipropargyl Ammonium Salts. <i>Macromolecules</i> , 2008, 41, 1919-1928.	4.8	67
6	Conductive Polymer Electrolytes Derived from Poly(norbornene)s with Pendant Ionic Imidazolium Moieties. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 40-51.	2.2	62
7	Ionic IPNs as novel candidates for highly conductive solid polymer electrolytes. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4245-4266.	2.3	56
8	Synthesis and properties of polymeric analogs of ionic liquids. <i>Polymer Science - Series B</i> , 2013, 55, 122-138.	0.8	46
9	Dielectric relaxation in vinylidene fluoride"hexafluoropropylene copolymers. <i>Journal of Applied Polymer Science</i> , 2007, 105, 1101-1117.	2.6	42
10	Influence of anion structure on ion dynamics in polymer gel electrolytes composed of poly(ionic) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 3	5.2	42
11	Photopolymerization of poly(ethylene glycol) dimethacrylates: The influence of ionic liquids on the formulation and the properties of the resultant polymer materials. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2388-2409.	2.3	36
12	Synthesis and ionic conductivity of polymer ionic liquids. <i>Polymer Science - Series A</i> , 2007, 49, 256-261.	1.0	29
13	New ionic liquids with hydrolytically stable anions as alternatives to hexafluorophosphate and tetrafluoroborate salts in the free radical polymerization and preparation of ion-conducting composites. <i>Polymer Journal</i> , 2011, 43, 126-135.	2.7	28
14	Solid-state electrolytes based on ionic network polymers. <i>Polymer Science - Series B</i> , 2014, 56, 164-177.	0.8	22
15	Polymers based on ionic monomers with side phosphonate groups. <i>Polymer Science - Series B</i> , 2010, 52, 316-326.	0.8	21
16	Peculiarities of dielectric relaxation in poly(vinylidene fluoride) with different thermal history. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4443-4447.	3.1	20
17	Thiol"ene Click Chemistry as a Tool for a Novel Family of Polymeric Ionic Liquids. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1359-1369.	2.2	19
18	Polymerization of the new double"charged monomer bis(1,3(<i>N,N,N</i>)-trimethylammonium dicyanamide)"propylmethacrylate and ionic conductivity of the novel polyelectrolytes. <i>Polymers for Advanced Technologies</i> , 2011, 22, 448-457.	3.2	18

#	ARTICLE	IF	CITATIONS
19	New superprotonic crystals with dynamically disordered hydrogen bonds: cation replacements as the alternative to temperature increase. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 1105-1113.	1.1	16
20	Peculiarities of high-temperature dielectric relaxation in vinylidene fluoride – hexafluoropropylene copolymers. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 564-567.	3.1	14
21	Influence of parameters of molecular mobility on formation of structure in ferroelectric vinylidene fluoride copolymers. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	13
22	An effect of the electrode material on space charge relaxation in ferroelectric copolymers of vinylidene fluoride. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	11
23	Self-assembly of Li single-ion-conducting block copolymers for improved conductivity and viscoelastic properties. <i>Electrochimica Acta</i> , 2022, 413, 140126.	5.2	11
24	The dehydrogenation of isopropanol on a nickel-manganese catalyst subjected to treatment in glow-discharge oxygen, argon, and hydrogen plasmas. <i>Russian Journal of Physical Chemistry A</i> , 2008, 82, 50-55.	0.6	10
25	Local piezoelectric response, structural and dynamic properties of ferroelectric copolymers of vinylidene fluoride – tetrafluoroethylene. <i>Colloid and Polymer Science</i> , 2015, 293, 533-543.	2.1	10
26	Low-Frequency Dielectric Spectra of Rochelle Salt and Its Deuterated Analog in the Range 260 – 315 K. <i>Inorganic Materials</i> , 2002, 38, 380-384.	0.8	9
27	Investigation into the dielectric relaxation of vinylidene fluoride copolymers with hexafluoropropylene. <i>Physics of the Solid State</i> , 2006, 48, 1197-1199.	0.6	8
28	The role of water in the anomalies of pyro- and thermodepolarization properties of pyroactive polymer films at stepwise heating. <i>Journal of Non-Crystalline Solids</i> , 2018, 483, 60-64.	3.1	8
29	Dielectric Response of Holmium Formate Crystallohydrate at 100mHz – 10MHz. <i>Ferroelectrics</i> , 2015, 478, 88-95.	0.6	7
30	Dielectric relaxation anomalies in polyacrylic acid and their relationship with –critical– points of water. <i>Ferroelectrics</i> , 2016, 504, 3-14.	0.6	7
31	Effect of change in the physical properties of water at its peculiar temperature points on the dielectric behavior of sodium polyacrylate. <i>Polymer Science - Series A</i> , 2016, 58, 33-41.	1.0	7
32	The Influence of Changes in the Structure of Hydrogen Bonds of Water on the Electrophysical Properties of Matrix – Water Systems in Stepwise Heating. <i>Moscow University Physics Bulletin (English)</i> Tj ETQq0 0.0 rgBT /Overlock 10 Tf 50	0.4	7
33	Structural aspects of the high-temperature space charge relaxation in ferroelectric VDF/TFE 94/6 copolymer. <i>Ferroelectrics</i> , 2018, 531, 1-21.	0.6	7
34	Electrochromic behavior and electrical percolation threshold of carbon nanotube/poly(pyridinium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.8	7
35	Dielectric Properties and Conductivity of (K,NH4)3H(SO4)2 Single Crystals at Low Potassium Concentrations. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.4	7
36	Effect of recrystallization on the molecular mobility of a copolymer of vinylidene fluoride and hexafluoropropylene. <i>Journal of Applied Polymer Science</i> , 2011, 120, 13-20.	2.6	6

#	ARTICLE	IF	CITATIONS
37	The Changes of Thermal, Dielectric, and Optical Properties at Insertion of Small Concentrations of Ammonium to K ₃ H(SO ₄) ₂ Crystals. Crystallography Reports, 2018, 63, 553-562.	0.6	6
38	The effect of crystal polymorphism of ferroelectric copolymer vinylidene fluoride-hexafluoropropylene on its high-voltage polarization. Journal of Applied Polymer Science, 2020, 137, 49235.	2.6	6
39	Hydrogen bond as a trigger of ferroelectric-like phase transition in lithium-thallium tartrate monohydrate. Ferroelectrics, 2021, 582, 1-11.	0.6	6
40	Investigation of the mobility in poly(vinylidene fluoride) ferroelectric films with different structures. Physics of the Solid State, 2010, 52, 1976-1984.	0.6	5
41	On the features of cooperative mobility in the amorphous phase of ferroelectric polymers. Colloid and Polymer Science, 2019, 297, 513-520.	2.1	5
42	Structure formation and electrophysical properties of poly(vinylidene fluoride-hexafluoropropylene) and Polymer Science, 2022, 300, 721-732.	2.1	5
43	Low-Frequency Dielectric Properties of the Rochelle Salt and its Deuterated Analogue. Ferroelectrics, 2002, 268, 41-46.	0.6	4
44	Interaction of polymer matrix and bound water in poly(N-vinylcaprolaktam) films. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2008, 63, 410-415.	0.4	4
45	The role of hydrogen bonds in anomalies of dielectric properties of Diglycine Nitrate and Triglycine Tellurate. Ferroelectrics, 2017, 507, 172-185.	0.6	4
46	Curie point and a space charge relaxation in ferroelectric poly(vinylidene fluoride-trifluoroethylene) copolymers with different thermal history. Journal of Applied Polymer Science, 2018, 135, 46186.	2.6	4
47	Peculiarities of structure and dielectric relaxation in ferroelectric vinylidene fluoride-tetrafluoroethylene copolymer at different crystallization conditions. Colloid and Polymer Science, 2020, 298, 1169-1178.	2.1	4
48	Thermally Stimulated Depolarization Currents in TGS Crystals with Impurities and Radiation Defects under Stepwise Heating. Moscow University Physics Bulletin (English Translation of Vestnik) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 T	0.6	4
49	A special role of water in dielectrics of different structural organization. Ferroelectrics, 2021, 585, 40-51.	0.6	4
50	Dielectric spectroscopy study of poly(methacrylic acid) gels. Macromolecular Symposia, 2001, 170, 91-98.	0.7	3
51	Negative dielectric permittivity of poly(acrylic acid) pressed pellets. Journal of Non-Crystalline Solids, 2016, 452, 1-8.	3.1	3
52	Molecular mobility and structuring in textured films of the ferroelectric copolymer of vinylidene fluoride with tetrafluoroethylene. Polymer Science - Series A, 2016, 58, 345-356.	1.0	3
53	Polyethylene-Silica Nanocomposites with the Structure of Semi-Interpenetrating Networks. Macromolecular Materials and Engineering, 2019, 304, 1900430.	3.6	3
54	On the dispersion of dielectric properties of BaTiO ₃ single crystals grown by a top-seeded solution growth technique. Ferroelectrics, 2016, 493, 151-164.	0.6	2

#	ARTICLE	IF	CITATIONS
55	Short-term fluctuations of BaTiO ₃ dielectric dispersion. <i>Ferroelectrics</i> , 2017, 515, 92-100.	0.6	2
56	On the nature of hysteresis phenomena at low-voltage polarization of crystalline ferroelectric polymers. <i>Ferroelectrics</i> , 2018, 537, 173-180.	0.6	2
57	Low-frequency dielectric dispersion and electrical properties of monoclinic tellurium acid ammonium phosphate crystals. <i>Ferroelectrics</i> , 1998, 214, 181-189.	0.6	1
58	Low-frequency dielectric properties and conductivity of a polyvinylcaprolactam-water system. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta,)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 61	0.4	1
59	Short-term reversible changes in the dielectric dispersion of a barium titanate single crystal. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2016, 71, 400-404.	0.4	1
60	On the metastable phase in BaTiO ₃ single crystals. <i>Ferroelectrics</i> , 2020, 554, 11-20.	0.6	1
61	Dielectric spectroscopy of ferroelectric polymers. , 2022, , 263-355.		1
62	Electrochemical impedance spectroscopic study of perfluorovinyl ether copolymer with tetrafluoroethylene in the swollen state. <i>Polymer Science - Series B</i> , 2007, 49, 213-216.	0.8	0
63	Polycapromide films containing ionic liquids: Microstructure and properties. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 211-216.	0.6	0
64	Influence of Dipolar Interactions in Ferroelectric Vinylidene Fluoride Copolymers on their Structure and Low-Temperature Molecular Mobility. <i>Key Engineering Materials</i> , 2014, 605, 503-506.	0.4	0
65	Unusual Dielectric Properties of Electrochromic Polydipyridinium Triflate Composites with Carbon Nanotubes. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo)</i> Tj ETQq1 1 0.784314rgBT /Overlock 10 Tf 50 61	0.784314	1
66	The replacements in the cation sublattice in superprotonic crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1257-C1257.	0.1	0