

Tatyana V Yaroslavtseva

List of Publications by Year in descending order

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25
papers

340
citations

840776

11
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithiated Nafion plasticised by a mixture of ethylene carbonate and sulfolane. <i>Electrochimica Acta</i> , 2021, 373, 137914.	5.2	14
2	Li-Nafion Membrane Plasticised with Ethylene Carbonate/Sulfolane: Influence of Mixing Temperature on the Physicochemical Properties. <i>Polymers</i> , 2021, 13, 1150.	4.5	11
3	Solvation of anions in acetonitrile solutions: FTIR and quantum chemical study for Br^- , ClO_4^- , AsF_6^- , and CF_3SO_3^- . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117873.	3.9	7
4	Quantum-Chemical and IR Spectroscopic Study of Ionic Association in Solutions of LiCF_3SO_3 in Acetonitrile. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 933-938.	0.6	1
5	Ion aggregation and phase separation in amorphous poly(nitrile)-based lithium conducting polymer electrolytes. <i>Solid State Ionics</i> , 2019, 333, 57-65.	2.7	4
6	Conductivity and spectroscopic studies of $\text{Li}_2\text{O-V}_2\text{O}_5\text{-B}_2\text{O}_3$ glasses. <i>Ionics</i> , 2018, 24, 1929-1938.	2.4	28
7	Heat of fusion of halide salts and their eutectics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 2021-2026.	3.6	14
8	Synthesis, Structure, and Thermal Properties of $\text{Ca}_5\text{Ga}_6\text{O}_{14}$. <i>Russian Journal of Physical Chemistry A</i> , 2018, 92, 1243-1247.	0.6	2
9	Ab initio calculation of the structure and optical properties of lead oxyhalides $\text{Pb}_3\text{O}_2\text{X}_2$ ($\text{X} = \text{Cl, Br}$). <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	0.6	4
10	New lithium salts in electrolytes for lithium-ion batteries (Review). <i>Russian Journal of Electrochemistry</i> , 2017, 53, 677-699.	0.9	37
11	Solid polymer electrolytes in a poly(butadiene-acrylonitrile)-LiBr system. <i>Ionics</i> , 2017, 23, 3347-3363.	2.4	9
12	Isobaric heat capacity of molten halide eutectics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 621-626.	3.6	15
13	Electrical properties of the $\text{La}_{1-y}\text{Co}_y\text{O}_3$ ($0 \leq y \leq 0.10$) oxides. <i>Russian Metallurgy (Metally)</i> , 2017, 2017, 664-669.	0.5	0
14	Electrical conductivity and thermoelectric power of $\text{La}_{1-x}\text{Li}_x\text{Co}_3$ ($0 \leq x \leq 0.1$) oxides. <i>Physics of the Solid State</i> , 2016, 58, 2385-2393.	0.6	2
15	The influence of lithium oxide concentration on the transport properties of glasses in the $\text{Li}_2\text{O-B}_2\text{O}_3\text{-SiO}_2$ system. <i>Journal of Non-Crystalline Solids</i> , 2016, 443, 75-81.	3.1	32
16	Electrochemical performance and surface chemistry of nanoparticle Si@SiO_2 Li-ion battery anode in LiPF_6 -based electrolyte. <i>Electrochimica Acta</i> , 2016, 208, 109-119.	5.2	28
17	Preparation and physicochemical properties of praseodymium oxide films and ceramics. <i>Inorganic Materials</i> , 2015, 51, 1168-1176.	0.8	10
18	Heat Capacity of Molten Halides. <i>Journal of Physical Chemistry B</i> , 2015, 119, 509-512.	2.6	19

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19	Extreme behavior of Li-ion conductivity in the Li ₂ O–Al ₂ O ₃ –P ₂ O ₅ glass system. <i>Journal of Non-Crystalline Solids</i> , 2015, 430, 64-72.	3.1	38
20	IR spectroscopic and quantum-chemical investigation of perchlorate anion solvation in acetonitrile. <i>Russian Journal of Physical Chemistry A</i> , 2015, 89, 76-81.	0.6	9
21	Specific features of preparation of dense ceramic based on barium zirconate. <i>Semiconductors</i> , 2014, 48, 1353-1358.	0.5	21
22	FTIR and quantum chemical study of LiBr solvation in acetonitrile solutions. <i>Vibrational Spectroscopy</i> , 2014, 75, 19-25.	2.2	9
23	Glass transitions and ionic conductivity in a poly(butadiene-acrylonitrile)–LiAsF ₆ system. <i>Electrochimica Acta</i> , 2011, 57, 212-219.	5.2	10
24	Ion–molecular and ion–ion interactions in solvent-free polymer electrolytes based on amorphous butadiene – acrylonitrile copolymer and LiAsF ₆ . <i>Solid State Ionics</i> , 2008, 178, 1817-1830.	2.7	14
25	Separation of cationic and anionic conductivity constituents in solid polymer electrolytes comprising a copolymer of acrylonitrile and butadiene (40:60) and lithium hexafluoroarsenate. <i>Russian Journal of Electrochemistry</i> , 2007, 43, 410-417.	0.9	2