Alexander Ad Plekhovich

List of Publications by Year
in descending order

37	297	933447 10	996975 15
papers	citations	h-index	g-index

37	37	37	287
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of the Isotopic Composition of Fe on the Kinetics of Its Î± â†' Î³ Phase Transition. Inorganic Materials, 2022, 58, 252-258.	0.8	0
2	Thermophysical characterization of TeO2-WO3-Bi2O3 glasses for optical applications. Journal of Non-Crystalline Solids, 2021, 553, 120465.	3.1	12
3	Thermodynamic Analysis of the Crystallization Resistance of the Geâ€“Sâ€“Bi Glasses. Russian Journal of Inorganic Chemistry, 2021, 66, 1153-1160.	1.3	2
4	Kinetic effects of substitution Er3+ for Y3+ in (Y1-xErx)3Al5O12 garnet. Journal of the European Ceramic Society, 2021, 41, 5324-5330.	5.7	5
5	Calorimetric and volumetric functions of AsxSe1âˆ'x (xâ€‰=â€‰0.3â€“0.5) glasses and their model representation. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1443-1452.	3.6	4
6	Modeling Thermal Gas Dynamic Processes of the Production of Silicon from Its Halides. Theoretical Foundations of Chemical Engineering, 2020, 54, 631-640.	0.7	4
7	Simulation of Gas-Dynamic and Thermal Processes of Reduction of Molybdenum Fluoride and Synthesis of Its Carbide in Inductively Coupled Radiofrequency Plasma. High Energy Chemistry, 2020, 54, 469-476.	0.9	1
8	Comparative Study of Gas-Dynamic Processes in Inductively Coupled Argonâ€“Hydrogen Plasma Containing Boron Trichloride and Boron Trifluoride. High Energy Chemistry, 2019, 53, 155-161.	0.9	5
9	Thermal properties of high purity zinc-tellurite glasses for fiber-optics. Thermochimica Acta, 2019, 673, 192-197.	2.7	15
10	Simultaneous Thermal Analysis of Reactions Underlying Self-Propagating High-Temperature Synthesis of Scandium Oxide Powders. Inorganic Materials, 2019, 55, 149-154.	0.8	2
11	Standard thermodynamic functions of GeS :Bi (1â€¯<â€¯xâ€¯<â€¯2) glasses. Journal of Non-Crystalline Solids, 2019, 509, 74-79.	3.1	5
12	Effect of Gas Dynamic Conditions in Plasma Reactor on Efficiency of Boron and Silicon Synthesis in Inductively Coupled Argonâ€“Hydrogen Plasma. High Energy Chemistry, 2019, 53, 482-489.	0.9	5
13	Crystallization Resistance of Optically Active GeSxâŒ©BiâŒª Glasses. Inorganic Materials, 2019, 55, 1039-1045.	0.8	3
14	Fiber sensor on the basis of Ge26As17Se25Te32 glass for FEWS analysis. Optical Materials, 2018, 75, 525-532.	3.6	17
15	Effect of iodine on properties of [GeS1.5]100âˆ'I (x= 0 Ã· 10) glasses. Journal of Non-Crystalline Solids, 2018, 480, 8-12.	3.1	7
16	Glass-forming region and optical properties of the TeO 2 â€“ ZnO â€“ NiO system. Journal of Non-Crystalline Solids, 2018, 479, 29-41.	3.1	27
17	Analysis of Mullite Formation in the Core Glass of a Chromium-Doped Aluminosilicate Fiber. Inorganic Materials, 2018, 54, 940-948.	0.8	2
18	Glass Transition Characteristics and Thermodynamic Functions of (1â€“x)(0.75TeO2â€“0.25WO3) + xLa2O3 Glasses. Inorganic Materials, 2018, 54, 706-712.	0.8	4

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19	Preparation and investigation of Ga x Ge 25 As 15 Se 60-x (xÂ=Â1ÂÃ·Â5) glasses. Optical Materials, 2017, 67, 38-43.	3.6	11
20	Preparation and investigation of Ga5[GeS]85I10 glasses. Journal of Non-Crystalline Solids, 2017, 457, 60-64.	3.1	3
21	Glass-forming region and physical properties of the glasses in the TeO2â˜ MoO3â˜ Bi2O3 system. Journal of Non-Crystalline Solids, 2016, 452, 130-135.	3.1	27
22	A mathematical model for analysis of sequentially coupled crystallizationâ€“melting differential scanning calorimetry peaks and the use of the model for assessing the crystallization resistance of tellurite glasses. Inorganic Materials, 2016, 52, 604-610.	0.8	3
23	Colloid chemical properties of binary sols as precursors for YAG optical ceramics. Ceramics International, 2016, 42, 17571-17580.	4.8	19
24	Preparation of core-clad arsenic rich As Se glass fiber. Journal of Non-Crystalline Solids, 2016, 448, 11-15.	3.1	10
25	Preparation and investigation of [GeSe 4] 100â˜x I x glasses as promising materials for infrared fiber sensors. Optical Materials, 2016, 60, 438-442.	3.6	7
26	Thermophysical properties and crystal structure of high-purity monoisotopic 80Se. Doklady Chemistry, 2016, 466, 11-14.	0.9	6
27	Preparation and investigation of Geâ€“Sâ€“I glasses for infrared fiber optics. Optical Materials, 2016, 52, 87-91.	3.6	9
28	Crystallization kinetics of (TeO2)1â€“x (MoO3) x glasses studied by differential scanning calorimetry. Inorganic Materials, 2015, 51, 1288-1295.	0.8	4
29	Thermal decomposition study of GeSI2 and Ge2S3I2 glassy alloys. Journal of Non-Crystalline Solids, 2015, 411, 40-44.	3.1	5
30	Preparation and investigation of glasses in the GeS2â€“GeI4 system. Optical Materials, 2015, 42, 340-344.	3.6	7
31	Kinetics and formation mechanism of yttrium aluminum garnet from an amorphous phase prepared by the solâ€“gel method. Ceramics International, 2015, 41, 10616-10623.	4.8	14
32	New method for preparation of specially pure glasses in the Geâ€“Sâ€“I system by melting the products of thermal decomposition of Ge2S3I2. Journal of Non-Crystalline Solids, 2015, 429, 178-182.	3.1	5
33	Effect of the composition of starting yttrium aluminum hydroxide sols on the properties of yttrium aluminum garnet powders. Inorganic Materials, 2014, 50, 1030-1034.	0.8	7
34	Preparation of glasses in the Geâ€“Sbâ€“Seâ€“I system via volatile iodides. Journal of Non-Crystalline Solids, 2014, 405, 100-103.	3.1	7
35	Preparation of chalcogenide glasses of Asâ€“S, Geâ€“S, Geâ€“Se systems from monoisotopic elements. Journal of Non-Crystalline Solids, 2013, 377, 12-15.	3.1	17
36	Preparation and investigation of high purity Geâ€“Teâ€“AgI glasses for optical application. Journal of Non-Crystalline Solids, 2013, 377, 1-7.	3.1	14

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37	Chemical and physical transformations in Ge-S-I glass preparation. Inorganic Materials, 2012, 48, 428-432.	0.8	2