

H Doweidar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9395771/publications.pdf>

Version: 2024-02-01

28
papers

732
citations

567281

15
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared spectra of Fe ₂ O ₃ -PbO-P ₂ O ₅ glasses. <i>Vibrational Spectroscopy</i> , 2005, 37, 91-96.	2.2	122
2	Structure and some physical properties of PbO-P ₂ O ₅ glasses. <i>Physica B: Condensed Matter</i> , 2003, 339, 237-245.	2.7	121
3	Structure and properties of CaF ₂ -B ₂ O ₃ glasses. <i>Journal of Materials Science</i> , 2012, 47, 4028-4035.	3.7	61
4	The density of alkali silicate glasses in relation to the microstructure. <i>Journal of Non-Crystalline Solids</i> , 1996, 194, 155-162.	3.1	54
5	Density of mixed alkali borate glasses: A structural analysis. <i>Physica B: Condensed Matter</i> , 2005, 362, 123-132.	2.7	51
6	Structural correlations in BaO-PbO-B ₂ O ₃ glasses as inferred from FTIR spectra. <i>Vibrational Spectroscopy</i> , 2014, 73, 90-96.	2.2	32
7	Structural investigation and properties of Sb ₂ O ₃ -PbO-B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 497, 93-101.	3.1	29
8	Structural units distribution, phase separation and properties of PbO-TiO ₂ -B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2017, 466-467, 37-44.	3.1	26
9	Structure and some properties of xBaO TM (50-x)PbO TM 50P ₂ O ₅ glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 534, 119945.	3.1	24
10	Tailoring the structure and properties of iron oxide nanoparticles through the oxygen species of borate glass matrix. <i>Journal of Non-Crystalline Solids</i> , 2020, 545, 120241.	3.1	22
11	Structure-transport relationships in lead borate glasses containing V ₂ O ₅ . <i>Solid State Ionics</i> , 1991, 46, 275-281.	2.7	21
12	Structure-properties changes in ZnO-PbO-GeO ₂ glasses. <i>European Physical Journal B</i> , 2011, 83, 133-141.	1.5	20
13	Structure of NaF-TeO ₂ glasses and glass-ceramics. <i>Ceramics International</i> , 2020, 46, 18551-18561.	4.8	20
14	Transformation of Li ₄ P ₄ O ₁₂ rings into LiPO ₃ chains by CoO or CuO doping: Crystallization-induced reduction of photoluminescent Cu ⁺ to plasmonic Cu ⁰ glass-ceramics. <i>Ceramics International</i> , 2021, 47, 12695-12705.	4.8	18
15	Insights into the structure of Bi ₂ O ₃ -B ₂ O ₃ glasses as predicted from density correlations. <i>Journal of Non-Crystalline Solids</i> , 2014, 404, 49-54.	3.1	16
16	Structural study of density and refractive index of Sb ₂ O ₃ -B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2015, 429, 112-117.	3.1	15
17	Mixed modifier glasses: a new view as mixed matrices. <i>Journal of Materials Science</i> , 2013, 48, 7736-7742.	3.7	11
18	The formation of BO ₄ TM tetrahedra and nonbridging oxygen ions in borosilicate glasses with low silica content. <i>Journal of Materials Science</i> , 1990, 25, 1497-1502.	3.7	10

#	ARTICLE	IF	CITATIONS
19	Characterization of New Categories of Bioactive Based Tellurite and Silicate Glasses. Silicon, 2017, 9, 503-509.	3.3	9
20	Structural considerations on Al ₂ O ₃ -SiO ₂ and derived glasses. Journal of Non-Crystalline Solids, 2018, 479, 90-96.	3.1	9
21	Role of Al ₂ O ₃ in Al ₂ O ₃ -Bi ₂ O ₃ -P ₂ O ₅ glasses. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	9
22	Physical and optical properties of NaF-TeO ₂ glasses and glass-ceramics. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	8
23	Mixed alkali effect in polaronic conducting iron borate glasses. Journal of Materials Science, 2004, 39, 4325-4329.	3.7	6
24	Density-structure predictions of silicate glasses containing Ga ₂ O ₃ . Journal of Materials Science, 2002, 37, 4703-4709.	3.7	5
25	Characterization of crystalline borates prepared from solution and derived glasses. Journal of Non-Crystalline Solids, 2019, 518, 103-112.	3.1	5
26	Optical properties and structure of R ₂ O-Ga ₂ O ₃ -SiO ₂ and RO-Ga ₂ O ₃ -SiO ₂ glasses. Journal of Materials Science, 2009, 44, 2899-2906.	3.7	4
27	Characterization of Some Bioactive Glasses and Glass-ceramics Prepared by a Hydrothermal Method. Silicon, 2018, 10, 395-402.	3.3	3
28	PbF ₂ -TeO ₂ glasses and glass-ceramics: a study of physical and optical properties. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	1