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List of Publications by Year in descending order

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45 papers	1,256 citations	471509 17 h-index	361022 35 g-index
46 all docs	46 docs citations	46 times ranked	1021 citing authors

#	Article	IF	Citations
1	Characterization of some bioglassâ€“ceramics. Materials Chemistry and Physics, 2003, 80, 599-609.	4.0	146
2	Gamma ray interaction with lithium diborate glasses containing transition metals ions. Optical Materials, 2008, 30, 881-891.	3.6	115
3	Characterization of some glasses in the system SiO2, Na2OÂ·RO by infrared spectroscopy. Materials Chemistry and Physics, 2003, 77, 846-852.	4.0	109
4	UV-vis absorption of the transition metal-doped SiO2â€“B2O3â€“Na2O glasses. Physica B: Condensed Matter, 2007, 398, 126-134.	2.7	94
5	Physicochemical studies of phosphate based P2O5â€“Na2Oâ€“CaOâ€“TiO2 glasses for biomedical applications. Journal of Non-Crystalline Solids, 2007, 353, 77-84.	3.1	66
6	Optical and infrared absorption spectra of 3d transition metal ions-doped sodium borophosphate glasses and effect of gamma irradiation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 148-155.	3.9	61
7	Role of SrO on the bioactivity behavior of some ternary borate glasses and their glass ceramic derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 126-133.	3.9	59
8	InÂvivo behavior of bioactive phosphate glass-ceramics from the system P2O5â€“Na2Oâ€“CaO containing TiO2. Journal of Materials Science: Materials in Medicine, 2008, 19, 1097-1108.	3.6	55
9	Preparation and characterization of some multicomponent silicate glasses and their glassâ€“ceramics derivatives for dental applications. Ceramics International, 2009, 35, 1211-1218.	4.8	54
10	Defect formation of gamma irradiated MoO3-doped borophosphate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 569-574.	3.9	54
11	Microstructural dependence on relevant physicalâ€“mechanical properties on SiO2â€“Na2Oâ€“CaOâ€“P2O5 biological glasses. Biomaterials, 2002, 23, 4263-4275.	11.4	52
12	Optical and infrared spectral investigations of cadmium zinc phosphate glasses doped with WO3 or MoO3 before and after subjecting to gamma irradiation. Journal of Non-Crystalline Solids, 2018, 494, 31-39.	3.1	45
13	UV-Visible and Infrared Spectra of Gamma-Irradiated Transition Metals-Doped Lead Borate Glasses. Transactions of the Indian Ceramic Society, 2009, 68, 81-90.	1.0	41
14	Preparation and characterization of some ferromagnetic glassâ€“ceramics contains high quantity of magnetite. Ceramics International, 2009, 35, 1539-1544.	4.8	39
15	Preparation and characterization of invert ZnOâ€“B2O3 glasses and its shielding behavior towards gamma irradiation. Materials Chemistry and Physics, 2020, 240, 122129.	4.0	30
16	Gamma ray interaction with transition metals-doped lead silicate glasses. Materials Chemistry and Physics, 2009, 117, 59-65.	4.0	23
17	FTIR Spectral Characterization, Mechanical and Electrical Properties of P2O5-Li2O-CuO Glass-Ceramics. Silicon, 2021, 13, 3075-3084.	3.3	22
18	Ultrasonic investigations of some bismuth borate glasses doped with Al2O3. Bulletin of Materials Science, 2015, 38, 241-246.	1.7	18

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19	Constants of elasticity of Li2Oâ€“B2O3â€“fly ash: Structural study by ultrasonic technique. Materials Chemistry and Physics, 2005, 94, 213-220.	4.0	15
20	Optical Properties of CeO2 Doped SiO2-Na2O-CaO-P2O5 Glasses. Silicon, 2012, 4, 157-165.	3.3	14
21	Thermal, mechanical and electrical properties of lithium phosphate glasses doped with copper oxide. Bulletin of Materials Science, 2019, 42, 1.	1.7	14
22	Preparation and characterization of invert glasses with high CdO content. Journal of Non-Crystalline Solids, 2019, 515, 82-87.	3.1	14
23	Structural study of some divalent aluminoborate glasses using ultrasonic and positron annihilation techniques. Physica Status Solidi A, 2004, 201, 2053-2062.	1.7	12
24	Effect of transition metal ions on the development of nanocrystalline phase and optical properties in the BaOâ€“B2O3â€“TiO2 system. Ceramics International, 2009, 35, 643-648.	4.8	11
25	Corrosion Behavior Mechanism of Borosilicate Glasses Towards Different Leaching Solutions Evaluated by the Grain Method and FTIR Spectral Analysis Before and After Gamma Irradiation. Silicon, 2018, 10, 1139-1149.	3.3	11
26	Optical, Infrared Spectral and Mechanical Investigations of CeO2-Doped Borosilicate Glasses Containing Bi2O3 and TeO2. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1680-1687.	3.7	10
27	FTIR, optical, and thermal studies of cadmium borate glass doped with Bi2O3 and effects of gamma irradiation. Journal of the Australian Ceramic Society, 2020, 56, 283-290.	1.9	9
28	Corrosion Behaviour of Some Gamma-Irradiated Phosphate Glasses for Radioactive Wastes Burial Applications. Transactions of the Indian Ceramic Society, 2005, 64, 95-100.	1.0	8
29	Formation of Li3B7O12 and O2BF4 phases from glass system of 0.5LiF-0.5B2O3 containing P2O5 and their structural properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 10315-10322.	2.2	8
30	Spectroscopic and optical investigations on Er3+ ions doped alkali cadmium phosphate glasses for laser applications. Journal of Non-Crystalline Solids, 2022, 588, 121616.	3.1	8
31	Synthesis, characterization and magnetic properties of glass ceramics containing nanoparticles of both Ba-hexaferrite and Zn-ferrite. Ceramics International, 2014, 40, 4499-4505.	4.8	7
32	Crystallization behavior of glasses from the system CdO-B2O3 with varying CdO contents (30â€“90â€¯mol%). Journal of Molecular Structure, 2019, 1194, 256-261.	3.6	6
33	Structural FTIR spectra and thermal properties of CdOâ€“B2O3 glasses doped with LiF, CaF2 or TiO2, together with X-ray diffraction and SEM investigations of their glassâ€“ceramic derivatives. Journal of Materials Science: Materials in Electronics, 2019, 30, 10597-10605.	2.2	5
34	Crystallization of the glasses within the SiO2-Li2O-TiO2 system. Materials Chemistry and Physics, 2022, 275, 125216.	4.0	4
35	Crystallization and Properties of Some Glasses Based on Li-silicates. Transactions of the Indian Ceramic Society, 2007, 66, 131-135.	1.0	3
36	Production and Characterization of Glasses and Glass-Ceramics from Egyptian Iron Slag Waste. Transactions of the Indian Ceramic Society, 2010, 69, 29-36.	1.0	3

#	Article	IF	Citations
37	Corrosion Behaviour of Some Industrial Glasses in Various Aqueous Solutions. Transactions of the Indian Ceramic Society, 2003, 62, 151-153.	1.0	2
38	Effect of thermal treatment on elastic properties of SiO2â€“Na2Oâ€“CaOâ€“P2O5 glasses for biomedical applications. Materials Letters, 2004, 58, 211-215.	2.6	2
39	Bioactivity Behavior of Multicomponent (P2O5 â€“B2O3- SiO2-Na2O-CaF2) Glasses Doped with ZnO, CuO or Ag2O and their Glass-Ceramics. Silicon, 2021, 13, 1813-1823.	3.3	2
40	Effect of melting condition on optical, FTIR and E.S.R properties of irradiated fluorophosphate glasses containing vanadium ions. Journal of Materials Science: Materials in Electronics, 2021, 32, 8418-8428.	2.2	1
41	Optical, photoluminescence, and E.S.R spectral analysis of manganese ions in phosphate glasses melted under various conditions and impact of gamma irradiation. Journal of Materials Science: Materials in Electronics, 2022, 33, 5477-5488.	2.2	1
42	Structural and crystallization behavior studies on unfamiliar LiFâ€“B2O3 glasses. Materials Chemistry and Physics, 2022, 283, 126006.	4.0	1
43	Preparation, characterization and biocompatibility of nominal wollastonite/calcium hexaboride composites. Materials Chemistry and Physics, 2022, 289, 126337.	4.0	1
44	Mono-crystalline Nanometer High Cristobalite Glass-ceramics from Nominal Pyroxene Glass. Silicon, 0, , 1.	3.3	0
45	The Importance of Using Some Glass Systems as Standard in Transmission Spectrophotometry in the Visible and Ultraviolet Regions. Journal of Applied Sciences, 2006, 6, 311-314.	0.3	0