

# M A AZOOZ

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8098687/publications.pdf>

Version: 2024-02-01

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	Crystallization of the glasses within the SiO <sub>2</sub> -Li <sub>2</sub> O-TiO <sub>2</sub> system. <i>Materials Chemistry and Physics</i> , 2022, 275, 125216.	4.0	4
2	Optical, photoluminescence, and E.S.R spectral analysis of manganese ions in phosphate glasses melted under various conditions and impact of gamma irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 5477-5488.	2.2	1
3	Structural and crystallization behavior studies on unfamiliar LiF-B <sub>2</sub> O <sub>3</sub> glasses. <i>Materials Chemistry and Physics</i> , 2022, 283, 126006.	4.0	1
4	Spectroscopic and optical investigations on Er <sup>3+</sup> ions doped alkali cadmium phosphate glasses for laser applications. <i>Journal of Non-Crystalline Solids</i> , 2022, 588, 121616.	3.1	8
5	Preparation, characterization and biocompatibility of nominal wollastonite/calcium hexaboride composites. <i>Materials Chemistry and Physics</i> , 2022, 289, 126337.	4.0	1
6	Bioactivity Behavior of Multicomponent (P <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -Na <sub>2</sub> O-CaF <sub>2</sub> ) Glasses Doped with ZnO, CuO or Ag <sub>2</sub> O and their Glass-Ceramics. <i>Silicon</i> , 2021, 13, 1813-1823.	3.3	2
7	FTIR Spectral Characterization, Mechanical and Electrical Properties of P <sub>2</sub> O <sub>5</sub> -Li <sub>2</sub> O-CuO Glass-Ceramics. <i>Silicon</i> , 2021, 13, 3075-3084.	3.3	22
8	Effect of melting condition on optical, FTIR and E.S.R properties of irradiated fluorophosphate glasses containing vanadium ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8418-8428.	2.2	1
9	Preparation and characterization of invert ZnO-B <sub>2</sub> O <sub>3</sub> glasses and its shielding behavior towards gamma irradiation. <i>Materials Chemistry and Physics</i> , 2020, 240, 122129.	4.0	30
10	FTIR, optical, and thermal studies of cadmium borate glass doped with Bi <sub>2</sub> O <sub>3</sub> and effects of gamma irradiation. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 283-290.	1.9	9
11	Formation of Li <sub>3</sub> B <sub>7</sub> O <sub>12</sub> and O <sub>2</sub> BF <sub>4</sub> phases from glass system of 0.5LiF-0.5B <sub>2</sub> O <sub>3</sub> containing P <sub>2</sub> O <sub>5</sub> and their structural properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10315-10322.	2.2	8
12	Thermal, mechanical and electrical properties of lithium phosphate glasses doped with copper oxide. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	1.7	14
13	Crystallization behavior of glasses from the system CdO-B <sub>2</sub> O <sub>3</sub> with varying CdO contents (30-90 mol%). <i>Journal of Molecular Structure</i> , 2019, 1194, 256-261.	3.6	6
14	Preparation and characterization of invert glasses with high CdO content. <i>Journal of Non-Crystalline Solids</i> , 2019, 515, 82-87.	3.1	14
15	Structural FTIR spectra and thermal properties of CdO-B <sub>2</sub> O <sub>3</sub> glasses doped with LiF, CaF <sub>2</sub> or TiO <sub>2</sub> , together with X-ray diffraction and SEM investigations of their glass-ceramic derivatives. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 10597-10605.	2.2	5
16	Optical, Infrared Spectral and Mechanical Investigations of CeO <sub>2</sub> -Doped Borosilicate Glasses Containing Bi <sub>2</sub> O <sub>3</sub> and TeO <sub>2</sub> . <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1680-1687.	3.7	10
17	Corrosion Behavior Mechanism of Borosilicate Glasses Towards Different Leaching Solutions Evaluated by the Grain Method and FTIR Spectral Analysis Before and After Gamma Irradiation. <i>Silicon</i> , 2018, 10, 1139-1149.	3.3	11
18	Optical and infrared spectral investigations of cadmium zinc phosphate glasses doped with WO <sub>3</sub> or MoO <sub>3</sub> before and after subjecting to gamma irradiation. <i>Journal of Non-Crystalline Solids</i> , 2018, 494, 31-39.	3.1	45

#	ARTICLE	IF	CITATIONS
19	Role of SrO on the bioactivity behavior of some ternary borate glasses and their glass ceramic derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 126-133.	3.9	59
20	Ultrasonic investigations of some bismuth borate glasses doped with Al <sub>2</sub> O <sub>3</sub> . <i>Bulletin of Materials Science</i> , 2015, 38, 241-246.	1.7	18
21	Synthesis, characterization and magnetic properties of glass ceramics containing nanoparticles of both Ba-hexaferrite and Zn-ferrite. <i>Ceramics International</i> , 2014, 40, 4499-4505.	4.8	7
22	Defect formation of gamma irradiated MoO <sub>3</sub> -doped borophosphate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 569-574.	3.9	54
23	Optical and infrared absorption spectra of 3d transition metal ions-doped sodium borophosphate glasses and effect of gamma irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 148-155.	3.9	61
24	Optical Properties of CeO <sub>2</sub> Doped SiO <sub>2</sub> -Na <sub>2</sub> O-CaO-P <sub>2</sub> O <sub>5</sub> Glasses. <i>Silicon</i> , 2012, 4, 157-165.	3.3	14
25	Production and Characterization of Glasses and Glass-Ceramics from Egyptian Iron Slag Waste. <i>Transactions of the Indian Ceramic Society</i> , 2010, 69, 29-36.	1.0	3
26	UV-Visible and Infrared Spectra of Gamma-Irradiated Transition Metals-Doped Lead Borate Glasses. <i>Transactions of the Indian Ceramic Society</i> , 2009, 68, 81-90.	1.0	41
27	Gamma ray interaction with transition metals-doped lead silicate glasses. <i>Materials Chemistry and Physics</i> , 2009, 117, 59-65.	4.0	23
28	Effect of transition metal ions on the development of nanocrystalline phase and optical properties in the BaO-B <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> system. <i>Ceramics International</i> , 2009, 35, 643-648.	4.8	11
29	Preparation and characterization of some multicomponent silicate glasses and their glass-ceramics derivatives for dental applications. <i>Ceramics International</i> , 2009, 35, 1211-1218.	4.8	54
30	Preparation and characterization of some ferromagnetic glass-ceramics contains high quantity of magnetite. <i>Ceramics International</i> , 2009, 35, 1539-1544.	4.8	39
31	In Vivo behavior of bioactive phosphate glass-ceramics from the system P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O-CaO containing TiO <sub>2</sub> . <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1097-1108.	3.6	55
32	Gamma ray interaction with lithium diborate glasses containing transition metals ions. <i>Optical Materials</i> , 2008, 30, 881-891.	3.6	115
33	Crystallization and Properties of Some Glasses Based on Li-silicates. <i>Transactions of the Indian Ceramic Society</i> , 2007, 66, 131-135.	1.0	3
34	Physicochemical studies of phosphate based P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O-CaO-TiO <sub>2</sub> glasses for biomedical applications. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 77-84.	3.1	66
35	UV-vis absorption of the transition metal-doped SiO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O glasses. <i>Physica B: Condensed Matter</i> , 2007, 398, 126-134.	2.7	94
36	The Importance of Using Some Glass Systems as Standard in Transmission Spectrophotometry in the Visible and Ultraviolet Regions. <i>Journal of Applied Sciences</i> , 2006, 6, 311-314.	0.3	0

#	ARTICLE	IF	CITATIONS
37	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
38	Constants of elasticity of Li <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -fly ash: Structural study by ultrasonic technique. Materials Chemistry and Physics, 2005, 94, 213-220.	4.0	15
39	Structural study of some divalent aluminoborate glasses using ultrasonic and positron annihilation techniques. Physica Status Solidi A, 2004, 201, 2053-2062.	1.7	12
40	Effect of thermal treatment on elastic properties of SiO <sub>2</sub> -Na <sub>2</sub> O-CaO-P <sub>2</sub> O <sub>5</sub> glasses for biomedical applications. Materials Letters, 2004, 58, 211-215.	2.6	2
41	Characterization of some glasses in the system SiO <sub>2</sub> , Na <sub>2</sub> O-RO by infrared spectroscopy. Materials Chemistry and Physics, 2003, 77, 846-852.	4.0	109
42	Characterization of some bioglass-ceramics. Materials Chemistry and Physics, 2003, 80, 599-609.	4.0	146
43	Corrosion Behaviour of Some Industrial Glasses in Various Aqueous Solutions. Transactions of the Indian Ceramic Society, 2003, 62, 151-153.	1.0	2
44	Microstructural dependence on relevant physical-mechanical properties on SiO <sub>2</sub> -Na <sub>2</sub> O-CaO-P <sub>2</sub> O <sub>5</sub> biological glasses. Biomaterials, 2002, 23, 4263-4275.	11.4	52
45	Mono-crystalline Nanometer High Cristobalite Glass-ceramics from Nominal Pyroxene Glass. Silicon, 0, , 1.	3.3	0