Yasser Rammah

List of Publications by Year
in descending order

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176 papers	5,930 citations	46918 47 h-index	98622 67 g-index
181 all docs	181 docs citations	181 times ranked	952 citing authors

#	Article	IF	Citations
1	Fabrication, optical, structural and gamma radiation shielding characterizations of GeO2-PbO-Al2O3â€“CaO glasses. Ceramics International, 2020, 46, 2055-2062.	2.3	150
2	Influence of Bi2O3/PbO on nuclear shielding characteristics of lead-zinc-tellurite glasses. Physica B: Condensed Matter, 2020, 581, 411946.	1.3	121
3	Structure, optical, gamma-ray and neutron shielding properties of NiO doped B2O3â€“BaCO3â€“Li2O3 glass systems. Ceramics International, 2020, 46, 1711-1721.	2.3	117
4	Comprehensive study on the structural, optical, physical and gamma photon shielding features of B2O3-Bi2O3-PbO-TiO2 glasses using WinXCOM and Geant4 code. Journal of Molecular Structure, 2019, 1197, 656-665.	1.8	114
5	Physical, optical and gamma radiation shielding competence of newly boro-tellurite based glasses: TeO2â€“B2O3â€“ZnOâ€“Li2O3â€“Bi2O3. Ceramics International, 2021, 47, 611-618.	2.3	108
6	Mechanical features, alpha particles, photon, proton, and neutron interaction parameters of TeO2â€“V2O3â€“MoO3 semiconductor glasses. Ceramics International, 2020, 46, 23134-23144.	2.3	107
7	Optical properties and gamma-shielding features of bismuth borate glasses. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	106
8	Simulation of radiation shielding properties of glasses contain PbO. Radiation Physics and Chemistry, 2018, 151, 239-252.	1.4	104
9	Investigations of the physical, structural, optical and gamma-rays shielding features of B2O3 â€“ Bi2O3 â€“ ZnO â€“ CaO glasses. Ceramics International, 2019, 45, 20724-20732.	2.3	98
10	Investigation of optical, physical, and gamma-ray shielding features of novel vanadyl boro-phosphate glasses. Journal of Non-Crystalline Solids, 2020, 533, 119905.	1.5	96
11	Electronic polarizability, dielectric, and gamma-ray shielding properties of some tellurite-based glasses. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	93
12	ZnO-B2O3-PbO glasses: Synthesis and radiation shielding characterization. Physica B: Condensed Matter, 2018, 548, 20-26.	1.3	92
13	Nuclear radiation shielding using barium borosilicate glass ceramics. Journal of Physics and Chemistry of Solids, 2020, 142, 109437.	1.9	92
14	FTIR and UV spectra of pentaternary borate glasses. Measurement: Journal of the International Measurement Confederation, 2017, 105, 72-77.	2.5	90
15	FTIR, UVâ€“Visâ€“NIR spectroscopy, and gamma rays shielding competence of novel ZnO-doped vanadium borophosphate glasses. Journal of Materials Science: Materials in Electronics, 2020, 31, 9099-9113.	1.1	90
16	Structural, UV and shielding properties of ZBPC glasses. Journal of Non-Crystalline Solids, 2019, 509, 99-105.	1.5	89
17	FTIR, electronic polarizability and shielding parameters of B2O3 glasses doped with SnO2. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	87
18	Novel vanadyl lead-phosphate glasses: P2O5â€“PbOâ€“ZnO Na2Oâ€“V2O5: Synthesis, optical, physical and gamma photon attenuation properties. Journal of Non-Crystalline Solids, 2020, 534, 119944.	1.5	87

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19	The role of PbO/Bi2O3 insertion on the shielding characteristics of novel borate glasses. Ceramics International, 2020, 46, 23357-23368.	2.3	83
20	Effect of PbO on optical properties of tellurite glass. Results in Physics, 2018, 8, 16-25.	2.0	82
21	Surveying of Na2O3â€"BaOâ€"PbOâ€"Nb2O5â€"SiO2â€"Al2O3 glass-ceramics system in terms of alpha, proton, neutron and gamma protection features by utilizing GEANT4 simulation codes. Ceramics International, 2020, 46, 3190-3202.	2.3	80
22	Investigation of the physical properties and gamma-ray shielding capability of borate glasses containing PbO, Al2O3 and Na2O. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	77
23	The influence of TiO2 on structural, physical and optical properties of B2O3 â€"TeO2 â€" Na2O â€" CaO glasses. Journal of Non-Crystalline Solids, 2019, 514, 52-59.	1.5	77
24	Nuclear shielding properties of B2O3â€"Bi2O3â€"SrO glasses modified with Nd2O3: Theoretical and simulation studies. Ceramics International, 2021, 47, 2772-2780.	2.3	77
25	Sm2O3 effects on mass stopping power/projected range and nuclear shielding characteristics of TeO2â€"ZnO glass systems. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	75
26	The effects of La2O3 addition on mechanical and nuclear shielding properties for zinc borate glasses using Monte Carlo simulation. Ceramics International, 2020, 46, 29191-29198.	2.3	75
27	Radiation shielding features of zirconolite silicate glasses using XCOM and FLUKA simulation code. Journal of Non-Crystalline Solids, 2020, 545, 120245.	1.5	75
28	B2O3â€"BaCO3â€"Li2O3 glass system doped with Co3O4: Structure, optical, and radiation shielding properties. Physica B: Condensed Matter, 2020, 576, 411717.	1.3	69
29	Fabrication, physical, optical characteristics and gamma-ray competence of novel bismo-borate glasses doped with Yb2O3 rare earth. Physica B: Condensed Matter, 2020, 583, 412055.	1.3	69
30	Role of ZnO on TeO2.Li2O.ZnO glasses for optical and nuclear radiation shielding applications utilizing MCNP5 simulations and WINXCOM program. Journal of Non-Crystalline Solids, 2020, 544, 120162.	1.5	68
31	New transparent rare earth glasses for radiation protection applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	67
32	Novel zinc vanadyl boro-phosphate glasses: ZnOâ€"V2O5â€" P2O5â€"B2O3: Physical, thermal, and nuclear radiation shielding properties. Ceramics International, 2020, 46, 19318-19327.	2.3	66
33	Structural, optical, and electrical characterization of borate glasses doped with SnO2. Journal of Non-Crystalline Solids, 2018, 494, 59-65.	1.5	65
34	Influence of ZrO2 on gamma shielding properties of lead borate glasses. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	64
35	Optical properties of bismuth borotellurite glasses doped with NdCl3. Journal of Molecular Structure, 2019, 1175, 504-511.	1.8	62
36	Radiation shielding properties of PNCKM bioactive glasses at nuclear medicine energies. Ceramics International, 2020, 46, 15027-15033.	2.3	62

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37	The radiation-shielding properties of ternary SiO2â€“SnOâ€“SnF2 glasses: Simulation and theoretical study. Ceramics International, 2020, 46, 23369-23378.	2.3	62
38	Investigations on borate glasses within SBC-Bx system for gamma-ray shielding applications. Nuclear Engineering and Technology, 2021, 53, 282-293.	1.1	62
39	Elastic moduli, photon, neutron, and proton shielding parameters of tellurite bismo-vanadate (TeO2â€“V2O5â€“Bi2O3) semiconductor glasses. Ceramics International, 2020, 46, 25440-25452.	2.3	60
40	Synthesis, physical, structural and shielding properties of newly developed B2O3â€“ZnOâ€“PbOâ€“Fe2O3 glasses using Geant4 code and WinXCOM program. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	59
41	Synthesis, structure, optical and gamma radiation shielding properties of B2O3-PbO2-Bi2O3 glasses. Composites Part B: Engineering, 2019, 172, 218-225.	5.9	59
42	Ta2O5 reinforced Bi2O3â€“TeO2â€“ZnO glasses: Fabrication, physical, structural characterization, and radiation shielding efficacy. Optical Materials, 2021, 112, 110757.	1.7	59
43	Optical properties and nuclear radiation shielding capacity of TeO2-Li2O-ZnO glasses. Optical Materials, 2020, 106, 109988.	1.7	57
44	Transparent Alumino Lithium Borate Glass-Ceramics: Synthesis, Structure and Gamma-Ray Shielding Attitude. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2560-2568.	1.9	55
45	Optical characterization of new borate glass doped with titanium oxide. Journal of Materials Science: Materials in Electronics, 2016, 27, 1384-1390.	1.1	53
46	Responsibility of Bi2O3 Content in Photon, Alpha, Proton, Fast and Thermal Neutron Shielding Capacity and Elastic Moduli of ZnO/B2O3/Bi2O3 Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3505-3524.	1.9	53
47	Evaluation of photon, neutron, and charged particle shielding competences of TeO2-B2O3-Bi2O3-TiO2 glasses. Journal of Non-Crystalline Solids, 2020, 535, 119960.	1.5	52
48	Evaluation of photon attenuation and optical characterizations of bismuth lead borate glasses modified by TiO2. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	48
49	Investigation of gamma-ray shielding capability of glasses doped with Y, Gd, Nd, Pr and Dy rare earth using MCNP-5 code. Physica B: Condensed Matter, 2020, 577, 411756.	1.3	47
50	Evaluation of nuclear radiation shielding competence for ternary Geâ€“Sbâ€“S chalcogenide glasses. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	47
51	Fabrication, FTIR, physical characteristics and photon shielding efficacy of CeO2 /sand reinforced borate glasses: Experimental and simulation studies. Radiation Physics and Chemistry, 2022, 191, 109837.	1.4	46
52	The impact of PbF2 on the ionizing radiation shielding competence and mechanical properties of TeO2â€“PbF2 glasses and glass-ceramics. Ceramics International, 2021, 47, 2547-2556.	2.3	44
53	Significant impact of V2O5 content on lead phosphor-arsenate glasses for mechanical and radiation shielding applications. Radiation Physics and Chemistry, 2022, 193, 109956.	1.4	44
54	Charged particles and gamma-ray shielding features of oxyfluoride semiconducting glasses: TeO2-Ta2O5-ZnO/ZnF2. Ceramics International, 2020, 46, 25035-25042.	2.3	43

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55	Gamma ray shielding capacity and build up factors of CdO doped lithium borate glasses: theoretical and simulation study. Journal of Non-Crystalline Solids, 2020, 541, 120110.	1.5	43
56	Fabrication, structural, optical, and dielectric properties of PVC-PbO nanocomposites, as well as their gamma-ray shielding capability. Radiation Physics and Chemistry, 2021, 189, 109753.	1.4	42
57	The role of B2O3 on the structural, thermal, and radiation protection efficacy of vanadium phosphate glasses. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	40
58	FT-IR, ultrasonic and dielectric characteristics of neodymium (III)/ erbium (III) lead-borate glasses: experimental studies. Journal of Materials Research and Technology, 2021, 13, 1363-1373.	2.6	40
59	Î³-ray shielding features and crystallization of TiO2 borotellurite glasses. Journal of Non-Crystalline Solids, 2019, 526, 119720.	1.5	38
60	Lithium-fluoro borotellurite glasses: Nonlinear optical, mechanical characteristics and gamma radiation protection characteristics. Radiation Physics and Chemistry, 2022, 190, 109819.	1.4	37
61	The impact of lead oxide on the optical and gamma shielding properties of barium borate glasses. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	36
62	Glass fabrication using ceramic and porcelain recycled waste and lithium niobate: physical, structural, optical and nuclear radiation attenuation properties. Journal of Materials Research and Technology, 2021, 15, 4074-4085.	2.6	36
63	Environment friendly La3+ ions doped phosphate glasses/glass-ceramics for gamma radiation shielding: Their potential in nuclear safety applications. Ceramics International, 2020, 46, 27616-27626.	2.3	35
64	Optical, magnetic characteristics, and nuclear radiation shielding capacity of newly synthesized barium boro-vanadate glasses: B2O3â€“BaF2â€“Na2Oâ€“V2O5. Radiation Physics and Chemistry, 2022, 192, 109922.	1.4	35
65	Fabrication, physical characteristic, and gamma-photon attenuation parameters of newly developed molybdenum reinforced bismuth borate glasses. Physica Scripta, 2020, 95, 115703.	1.2	34
66	An experimental evaluation of CdO/PbO-B2O3 glasses containing neodymium oxide: Structure, electrical conductivity, and gamma-ray resistance. Materials Research Bulletin, 2022, 151, 111828.	2.7	33
67	Enhancement of Gamma-ray Shielding Properties in Cobalt-Doped Heavy Metal Borate Glasses: The Role of Lanthanum Oxide Reinforcement. Materials, 2021, 14, 7703.	1.3	33
68	The f-factor, neutron, gamma radiation and proton shielding competences of glasses with Pb or Pb/Bi heavy elements for nuclear protection applications. Ceramics International, 2020, 46, 27163-27174.	2.3	31
69	Investigation of mechanical features and gamma-ray shielding efficiency of ternary TeO2-based glass systems containing Li2O, Na2O, K2O, or ZnO. Ceramics International, 2020, 46, 27561-27569.	2.3	31
70	Assessment of gamma-ray attenuation features for La+3 co-doped zinc borotellurite glasses. Radiation Physics and Chemistry, 2020, 176, 109069.	1.4	31
71	Synthesis, structure, physical, dielectric characteristics, and gamma-ray shielding competences of novel P2O5â€“Li2Oâ€“ZnOâ€“CdO glasses. Journal of Materials Science: Materials in Electronics, 2021, 32, 1877-1887.	1.1	31
72	Lead borate glasses doped by lanthanum: Synthesis, physical, optical, and gamma photon shielding properties. Journal of Non-Crystalline Solids, 2020, 527, 119731.	1.5	29

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73	Gamma irradiation effect towards photoluminescence and optical properties of Makrofol DE 6-2. Radiation Physics and Chemistry, 2020, 168, 108578.	1.4	28
74	Mechanical, optical, and beta/gamma shielding properties of alkali tellurite glasses: Role of ZnO. Ceramics International, 2020, 46, 28594-28602.	2.3	28
75	Impact of Ag2O on linear, nonlinear optical and gamma-ray shielding features of ternary silver vanadio-tellurite glasses: TeO2â€“V2O5â€“Ag2O. Ceramics International, 2020, 46, 22964-22972.	2.3	28
76	Linear, nonlinear optical and photon attenuation properties of La3+ doped tellurite glasses. Optical Materials, 2020, 108, 110196.	1.7	27
77	Influence of Ag2O insertion on alpha, proton and Î³-rays safety features of TeO2.ZnO.Na2O glasses: Potential use for nuclear medicine applications. Ceramics International, 2020, 46, 18151-18159.	2.3	27
78	Optical properties and radiation shielding features of Er3+ ions doped B2O3â€“SiO2â€“Gd2O3â€“CaO glasses. Ceramics International, 2021, 47, 3421-3429.	2.3	27
79	Evaluation of radiation shielding capacity of vanadiumâ€“telluriteâ€“antimonite semiconducting glasses. Optical Materials, 2021, 114, 110897.	1.7	27
80	Optical and Electrical Properties of Lead Borate Glasses. Journal of Electronic Materials, 2019, 48, 5624-5631.	1.0	26
81	Evaluation of radiation shielding ability of boro-tellurite glasses: TeO2â€“B2O3â€“SrCl2â€“LiFâ€“Bi2O3. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	26
82	Radiation sensing properties of tellurite glasses belonging to ZnOâ€“TeO2â€“PbO system using Geant4 code. Radiation Physics and Chemistry, 2020, 170, 108632.	1.4	26
83	Evaluation of optical features and ionizing radiation shielding competences of TeO2â€“Li2O (TL) glasses via Geant4 simulation code and Phy-X/PSD program. Optical Materials, 2020, 108, 110394.	1.7	25
84	UV and electrical properties of TeO2-WO3-Li2O-Nb2O5/Sm2O3/Pr6O11/Er2O3 glasses. Journal of Non-Crystalline Solids, 2018, 498, 443-447.	1.5	24
85	Ionizing radiation attenuation competences of gallium germanate-tellurite glasses utilizing MCNP5 simulation code and Phy-X/PSD program. Ceramics International, 2020, 46, 22766-22773.	2.3	24
86	The effects of V2O5/K2O substitution on linear and nonlinear optical properties and the gamma ray shielding performance of TVK glasses. Ceramics International, 2021, 47, 1012-1020.	2.3	24
87	Gamma ray exposure buildup factor and shielding features for some binary alloys using MCNP-5 simulation code. Nuclear Engineering and Technology, 2021, , .	1.1	24
88	Electrical and optical properties of Makrofol DE 1-1 polymeric films induced by gamma irradiation. Bulletin of the National Research Centre, 2019, 43, .	0.7	23
89	Heavy metal oxide (HMO) glasses as an effective member of glass shield family: A comprehensive characterization on gamma ray shielding properties of various structures. Journal of Materials Research and Technology, 2022, 18, 231-244.	2.6	23
90	Investigation of gamma-ray shielding properties of bismuth borotellurite glasses using MCNPX code and XCOM program. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	22

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91	SrO-reinforced potassium sodium borophosphate bioactive glasses: Compositional, physical, spectral, structural properties and photon attenuation competence. Journal of Non-Crystalline Solids, 2021, 559, 120667.	1.5	21
92	Characterization of zinc lead-borate glasses doped with Fe3+ ions: optical, dielectric, and ac-conductivity investigations. Journal of Materials Science: Materials in Electronics, 2020, 31, 17044-17054.	1.1	20
93	Radiation attenuation and optical features of lithium borate glasses containing barium: B2O3.Li2O.BaO. Ceramics International, 2020, 46, 21000-21007.	2.3	20
94	Modifications of the optical properties for DAM-ADC nuclear track detector exposed to alpha particles. Radiation Physics and Chemistry, 2018, 146, 42-46.	1.4	19
95	Mixed modifier effect in lithium manganese metaphosphate glasses on the emission of highly dispersed Mn2+ centers for red-LED. Ceramics International, 2021, 47, 32424-32432.	2.3	18
96	Effect of Bi2O3 on some optical and gamma-photon-shielding properties of new bismuth borate glasses. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	17
97	B2O3-Bi2O3-Li2O3-Cr2O3 glasses: fabrication, structure, mechanical, and gamma radiation shielding qualities. Journal of the Australian Ceramic Society, 2021, 57, 1057-1069.	1.1	17
98	Study of the optical properties and the carbonaceous clusters in DAM-ADC solid state nuclear track detectors. Radiation Physics and Chemistry, 2017, 141, 125-130.	1.4	16
99	On Y2O3Â·Li2OÂ·Al2O3Â·B2O3 glasses: synthesis, structure, physical, optical characteristics and gamma-ray shielding behavior. Journal of Materials Science: Materials in Electronics, 2021, 32, 16242-16254.	1.1	16
100	Optical, magnetic characterization, and gamma-ray interactions for borate glasses using XCOM program. Journal of Theoretical and Applied Physics, 2019, 13, 155-164.	1.4	15
101	Direct influence of La on structure, optical and gamma-ray shielding properties of lead borate glasses. Radiation Physics and Chemistry, 2020, 177, 109085.	1.4	15
102	The influence of BaO on the mechanical and gamma / fast neutron shielding properties of lead phosphate glasses. Nuclear Engineering and Technology, 2021, 53, 3816-3823.	1.1	15
103	Development of Tincal based polypropylene polymeric materials for radiation shielding applications: Experimental, theoretical, and Monte Carlo investigations. Materials Science in Semiconductor Processing, 2022, 146, 106696.	1.9	15
104	Fabrication, physical, structure characteristics, neutron and radiation shielding capacityÂof high-density neodymio-cadmium lead-borate glasses: Nd2O3/CdO/PbO/B2O3/Na2O. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	15
105	Basicity, Electronegativity, Optical Parameters and Radiation Attenuation Characteristics of P2O5-As2O3-PbO Glasses Doped Vanadium Ions. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3983-3996.	1.9	15
106	Synthesis, physical properties, and gammaâ€"ray shielding capacity of different Ni-based super alloys. Radiation Physics and Chemistry, 2021, 186, 109483.	1.4	14
107	Preparation, physical, structural, optical characteristics, and gamma-ray shielding features of CeO2 containing bismuth barium borate glasses. Journal of Materials Science: Materials in Electronics, 2020, 31, 20060-20071.	1.1	13
108	Mechanical Properties, Elastic Moduli, and Gamma Radiation Shielding Properties of Some Zinc Sodium Tetraborate Glasses: A Closer Look at ZnO/CaO Substitution. Journal of Electronic Materials, 2021, 50, 6844-6853.	1.0	13

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109	Influence of Sm_2O_3 content on photon and fast neutron interaction parameters of zinc-tellurite glasses. Radiation Physics and Chemistry, 2022, 192, 109914.	1.4	13
110	The significant role of WO_3 on high-dense BaOâ€“P_2O_3 glasses: transmission factors and a comparative investigation using commercial and other types of shields. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	13
111	Linear optical characteristics as well as gamma-ray shielding capabilities of quaternary lithium-zinc borate glasses with Y^{3+} ions. Optical Materials, 2022, 131, 112673.	1.7	13
112	Linear optical features and radiation shielding competence of ZnOâ€“B_2O_3â€“TeO_2-Eu_2O_3 glasses: Role of Eu^{3+} ions. Optical Materials, 2021, 111, 110525.	1.7	12
113	Physical, optical, thermal, and gamma-ray shielding features of fluorotellurite lithiumniobate glasses: TeO_2-$LiNbO_3$-BaO-BaF_2-La_2O_3. Journal of Materials Science: Materials in Electronics, 2021, 32, 3743-3752.	1.1	12
114	Investigation of mechanical properties, photons, neutrons, and charged particles shielding characteristics of Bi_2O_3/B_2O_3/SiO_2 glasses. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	12
115	Linear/nonlinear optical parameters along with photon attenuation effectiveness of Dy^{3+} ions doped zinc-aluminoborosilicate glasses. Physica Scripta, 0, , .	1.2	12
116	Nuclear shielding performances of borate/sodium/potassium glasses doped with Sm^{3+} ions. Journal of Materials Research and Technology, 2022, 18, 1424-1435.	2.6	12
117	Fast detection of alpha particles in DAMâ€“ADC nuclear track detectors. Radiation Physics and Chemistry, 2015, 107, 183-188.	1.4	11
118	Effects of AgO addition on the mechanical, optical, and radiation attenuation properties of V_2O_5/P_2O_5/B_2O_3 glass system. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	11
119	Er^{3+}/Nd^{3+} ions reinforced lead-borate glasses: an extensive investigation of physical, linear optical characteristics, and photon shielding capacity. Journal of Materials Research and Technology, 2021, 14, 3161-3170.	2.6	11
120	Fabrication, linear/nonlinear optical properties, Juddâ€“Ofelt parameters and gamma-ray attenuation capacity of Er_2O_3 doped P_2O_5â€“ZnOâ€“CdO glasses. Journal of Materials Research and Technology, 2021, 15, 5540-5553.	2.6	11
121	Fabrication, physical, structural, and optical investigation of cadmium lead-borate glasses doped with Nd^{3+} ions: AnÂexperimental study. Journal of Materials Science: Materials in Electronics, 2022, 33, 1877-1887.	1.1	11
122	A thorough examination of gadolinium (III)-containing silicate bioactive glasses: synthesis, physical, mechanical, elastic and radiation attenuation properties. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	11
123	Transmission factors, mechanical, and gamma ray attenuation properties of barium-phosphate-tungsten glasses: Incorporation impact of WO_3. Optik, 2022, 267, 169643.	1.4	11
124	Breeding behavior of radiation-induced effects in organic materials and their possible use as radiation dosimeters. Journal of Physics and Chemistry of Solids, 2021, 150, 109814.	1.9	10
125	Synthesis, physical, ultrasonic waves, mechanical, FTIR, and dielectric characteristics of B_2O_3/Li_2O/ZnO glasses doped with Y^{3+} ions. Journal of Materials Science: Materials in Electronics, 2022, 33, 6603-6615.	1.1	10
126	Multiple characterization of some glassy-alloys as photon and neutron shields: In-silico Monte Carlo investigation. Materials Research Express, 2021, 8, 035202.	0.8	9

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127	Gamma-ray shielding capacity of different B4C-, Re-, and Ni-based superalloys. European Physical Journal Plus, 2021, 136, 1.	1.2	9
128	Mechanical properties and elastic moduli, as well as gamma-ray attenuation abilities: A wide-ranging investigation into calcium/sodium/phosphate glasses. Journal of the Australian Ceramic Society, 2021, 57, 1309-1319.	1.1	9
129	Investigation of mechanical, photon buildup factors, and neutron-sensing properties of B2O3â€“Al2O3â€“Li2Oâ€“CuO glasses. Journal of Materials Science: Materials in Electronics, 2021, 32, 24401-24414.	1.1	9
130	ZnO-Bi2O3-B2O3 glasses doped with rare earth oxides: Synthesis, physical, structural characteristics, neutron and photon attenuation attitude. Optik, 2021, 243, 167414.	1.4	9
131	Optical and radiation shielding properties of titano-phosphate glasses: influence of BaO. Journal of the Australian Ceramic Society, 2022, 58, 867-880.	1.1	9
132	Spatial distribution and health risk assessment in urban surface soils of Mediterranean Sea region, Cyprus Ä°sland. Arabian Journal of Geosciences, 2022, 15, .	0.6	9
133	A New Derivation of Exact Solutions for Incompressible Magnetohydrodynamic Plasma Turbulence. Journal of Nanofluids, 2021, 10, 98-105.	1.4	8
134	Bi2O3 reinforced B2O3â€‰+â€‰Sb2O3â€‰+â€‰Li2O: composition, physical, linear optical characteristics, and photon attenuation capacity. Journal of Materials Science: Materials in Electronics, 2021, 32, 12439-12452.	1.1	8
135	Physical, FTIR, ultrasonic, and dielectric characteristics of calcium lead-borate glasses mixed by Nd2O3/Er2O3 rare earths: experimental study. Journal of Materials Science: Materials in Electronics, 2021, 32, 19966-19979.	1.1	8
136	New shielding ZnO-PbO-TeO2 glasses. Optik, 2021, 243, 167483.	1.4	8
137	SrO Effect on Photon/Particle Radiation Protection Characteristics of SrOâ€“PbOâ€“B2O3 Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 4546.	1.9	8
138	CuO reinforced lithium-borate glasses: fabrication, structure, physical properties, and ionizing radiation shielding competence. Journal of the Australian Ceramic Society, 2022, 58, 157-169.	1.1	8
139	Evaluating the optical and gamma-ray protection properties of bismo-tellurite sodium titanium zinc glasses. Journal of the Australian Ceramic Society, 2022, 58, 851-866.	1.1	8
140	Evaluation of Î³-rays and neutron shielding parameters of high dense bismo-boro-tellurite glasses: Comparative study. Radiation Physics and Chemistry, 2022, 196, 110149.	1.4	8
141	Structural, optical, mechanical and simulating the gamma-ray shielding competencies of novel cadmium bismo-borate glasses: The impact of bismuth oxide. Journal of Materials Science: Materials in Electronics, 2021, 32, 24381-24393.	1.1	7
142	Stability Analysis of Magnetohydrodynamics Waves in Compressible Turbulent Plasma. Journal of Nanofluids, 2020, 9, 196-202.	1.4	7
143	High density binary TeO2â€“Bi2O3 glasses: strong potential as a nontoxic and environmentally friendly glass shields for photons/charged particles. Journal of Materials Research and Technology, 2022, 17, 1311-1318.	2.6	7
144	Fabrication, physical, FTIR, ultrasonic waves, and mechanical properties of quaternary B2O3â€“Bi2O3â€“NaFâ€“ZrO2 glasses: Experimental study. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	7

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145	Simulating the radial dose distribution for charged particles in water medium by a semi-empirical model: An analytical approach. Applied Radiation and Isotopes, 2018, 142, 135-142.	0.7	6
146	Thermal and Optical Characteristics of Synthesized Sand/CeO2 Glasses: Experimental Approach. Journal of Electronic Materials, 2022, 51, 2070-2076.	1.0	6
147	Influence of WO3 on gamma radiation shielding efficiency, physical and optical properties of newly developed Li2O â€“ CaO â€“ Bi2O3 â€“ B2O3 glasses. Radiation Physics and Chemistry, 2022, 198, 110240.	1.4	6
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