Sefiya A Olarinoye-Akorede

List of Publications by Year
in descending order

45 papers	1,431 citations	257101 24 h-index	329751 37 g-index
45 all docs	45 docs citations	45 times ranked	400 citing authors

#	Article	IF	Citations
1	Determining the optical properties and simulating the radiation shielding parameters of Dy3+ doped lithium yttrium borate glasses. Optik, 2022, 250, 168318.	1.4	31
2	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
3	Effect of CdO addition on photon, electron, and neutron attenuation properties of boro-tellurite glasses. Ceramics International, 2021, 47, 5951-5958.	2.3	63
4	Investigations on borate glasses within SBC-Bx system for gamma-ray shielding applications. Nuclear Engineering and Technology, 2021, 53, 282-293.	1.1	62
5	Photon and neutron absorbing capacity of titanate-reinforced borate glasses: B2O3â€“Li2Oâ€“Al2O3â€“TiO2. Journal of Materials Science: Materials in Electronics, 2021, 32, 7377-7390.	1.1	3
6	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
7	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
8	Evaluation of radiation shielding capacity of vanadiumâ€“telluriteâ€“antimonite semiconducting glasses. Optical Materials, 2021, 114, 110897.	1.7	27
9	A comprehensive investigation on the role of PbO in the structural and radiation shielding attribute of P2O5â€“CaOâ€“Na2Oâ€“K2Oâ€“PbO glass system. Journal of Materials Science: Materials in Electronics, 2021, 32, 12371-12382.	1.1	14
10	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
11	Ge20Se80-xBix (xâ€‰â‰¤â€‰12) chalcogenide glasses for infrared and gamma sensing applications: structural, optical and gamma attenuation aspects. Journal of Materials Science: Materials in Electronics, 2021, 32, 15509-15522.	1.1	28
12	Assessment of gamma-radiation attenuation characteristics of Bi2O3â€“B2O3â€“SiO2â€“Na2O glasses using Geant4 simulation code. European Physical Journal Plus, 2021, 136, 1.	1.2	42
13	Ultrasonic waves, mechanical properties and radiation shielding competence of Er3+ doped lead borate glasses: experimental and theoretical investigations. Journal of the Australian Ceramic Society, 2021, 57, 1163-1176.	1.1	5
14	Effects of reducing PbO content on the elastic and radiation attenuation properties of germanate glasses: a new nonâ€toxic candidate for shielding applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 15080-15094.	1.1	11
15	Effects of TeO2 and B2O3 on photon, neutron, and charged particle transmission properties of Bi2O3-BaO-LiF glass system. Journal of the Australian Ceramic Society, 2021, 57, 1177-1188.	1.1	22
16	Mechanical and Gamma Ray Absorption Behavior of PbO-WO3-Na2O-MgO-B2O3 Glasses in the Low Energy Range. Materials, 2021, 14, 3466.	1.3	16
17	Synthesis, optical, structural, and radiation transmission properties of PbO/Bi2O3/B2O3/Fe2O3 glasses: An experimental and in silico study. Optical Materials, 2021, 117, 111173.	1.7	39
18	Dense and environment friendly bismuth barium telluroborate glasses for nuclear protection applications. Progress in Nuclear Energy, 2021, 137, 103763.	1.3	79

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19	Physical, structural, mechanical, and radiation shielding properties of the PbOâ€“B2O3â€“Bi2O3â€“ZnO glass system. Journal of Materials Science: Materials in Electronics, 2021, 32, 18994-19009.	1.1	23
20	Determination of structural features of different Perovskite ceramics and investigation of ionizing radiation shielding properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 20867-20881.	1.1	31
21	Shielding Properties of Some Marble Types: A Comprehensive Study of Experimental and XCOM Results. Materials, 2021, 14, 4194.	1.3	28
22	Enhancement of shielding ability using PbF2 in Fe-reinforced bismuth borate glasses. Journal of Materials Science: Materials in Electronics, 2021, 32, 23047-23065.	1.1	21
23	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
24	Mechanical and photon shielding aspects of PbOâ€“BaOâ€“WO3â€“Na2Oâ€“B2O3 glass systems. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	10
25	Optical, elastic, and radiation shielding properties of Bi2O3-PbO-B2O3 glass system: A role of SnO2 addition. Optik, 2021, 248, 168047.	1.4	35
26	Effects of TeO2/B2O3 substitution on synthesis, physical, optical and radiation shielding properties of ZnOâ€“Li2O-GeO2-Bi2O3 glasses. Ceramics International, 2021, 47, 30137-30146.	2.3	29
27	Significant influence of MoO3 content on synthesis, mechanical, and radiation shielding properties of B2O3-Pb3O4-Al2O3 glasses. Journal of Alloys and Compounds, 2021, 882, 160625.	2.8	76
28	Nuclear shielding properties and buildup factors of Cr-based ferroalloys. Progress in Nuclear Energy, 2021, 141, 103956.	1.3	42
29	Physical, optical, and ionizing radiation shielding parameters of Al(PO3)3-doped PbOâ€“Bi2O3â€“B2O3 glass system. Journal of Materials Science: Materials in Electronics, 2021, 32, 27744-27761.	1.1	16
30	Fabrication, linear/nonlinear optical properties, Juddâ€“Ofelt parameters and gamma-ray attenuation capacity of Er2O3 doped P2O5â€“ZnOâ€“CdO glasses. Journal of Materials Research and Technology, 2021, 15, 5540-5553.	2.6	11
31	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
32	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
33	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
34	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
35	Comparative analysis of NORM concentration in mineral soils and tailings from a tin-mine in Nigeria. Environmental Earth Sciences, 2020, 79, 1.	1.3	14
36	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

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37	High Terrestrial Radiation Level in an Active Tin-Mine at Jos South, Nigeria. Journal of Applied Sciences and Environmental Management, 2020, 24, 435-442.	0.1	5
38	EXABCal: A program for calculating photon exposure and energy absorption buildup factors. Heliyon, 2019, 5, e02017.	1.4	84
39	Breast Imaging Reporting and Data Systems category 3 (probably benign) breast lesions detected on diagnostic breast ultrasound: The prevalence, outcome and malignancy detection rate in Zaria, Nigeria. South African Journal of Radiology, 2018, 22, 1315.	0.1	3
40	Optical and microstructural properties of neutron irradiated RF- sputtered amorphous alumina thin films. Optik, 2017, 134, 66-77.	1.4	34
41	Crystal structure refinement of co-doped Ba 0.88 Ca 0.12 Ti 0.975 Sn 0.025 O 3 ceramic. Materials Chemistry and Physics, 2017, 196, 256-261.	2.0	8
42	He+ induced changes in the surface structure and optical properties of RF-sputtered amorphous alumina thin films. Journal of Non-Crystalline Solids, 2016, 432, 292-299.	1.5	32
43	Improving the stoichiometry of RF-sputtered amorphous alumina thin films by thermal annealing. International Journal of Materials Research, 2015, 106, 514-520.	0.1	2
44	Comparative assessment of natural radionuclide content of cement brands used within Nigeria and some countries in the world. Journal of Geochemical Exploration, 2014, 142, 21-28.	1.5	25
45	Estimation of patients' organ doses and conceptus doses from selected X-ray examinations in two Nigeria X-ray centres. Radiation Protection Dosimetry, 2009, 132, 395-402.	0.4	17