Phy-X / PSD: Development of a user friendly online soft
relevant to radiation shielding and dosimetry

Radiation Physics and Chemistry

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Citation Report

#	Article	IF	Citations
1	Physical, structural, optical, and radiation shielding properties of B2O3â€"Gd2O3â€"Y2O3 glass system. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	20
2	Radiation attenuation properties of Bi2O3â€"Na2Oâ€" V2O5â€" TiO2â€"TeO2 glass system using Phy-X / PSD software. Ceramics International, 2020, 46, 4795-4800.	2.3	100
3	A comprehensive study on the effect of TeO2 on the radiation shielding properties of TeO2â€"B2O3â€"Bi2O3â€"LiFâ€"SrCl2 glass system using Phy-X / PSD software. Ceramics International, 2020, 46, 6136-6140.	2.3	114
4	Study on the radiation attenuation properties of locally available bees-wax as a tissue equivalent bolus material in radiotherapy. Radiation Physics and Chemistry, 2020, 172, 108559.	1.4	29
5	Evaluation of the radiation shielding capabilities of the Na2B4O7â€"SiO2â€"MoO3-Dy2O3 glass quaternary using Geant4 simulation code and Phy-X/PSD database. Ceramics International, 2020, 46, 9096-9102.	2.3	40
6	Gamma and neutron shielding characterizations of the Ag2Oâ€"V2O5â€"MoO3â€"TeO2 quaternary tellurite glass system with the Geant4 simulation toolkit and Phy-X software. Ceramics International, 2020, 46, 6046-6051.	2.3	23
7	Influence of ZrO2 on gamma shielding properties of lead borate glasses. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	64
8	A simple spreadsheet program for calculating mass attenuation coefficients and shielding parameters based on EPICS2017 and EPDL97 photoatomic libraries. Radiation Physics and Chemistry, 2020, 177, 109122.	1.4	24
9	The influence of heavy elements on the ionizing radiation shielding efficiency and elastic properties of some tellurite glasses: Theoretical investigation. Results in Physics, 2020, 19, 103496.	2.0	50
10	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
11	Mechanical and radiation-shielding properties of B2O3â€"P2O5â€"Li2Oâ€"MoO3 glasses. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	65
12	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
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14	Charged particles and gamma-ray shielding features of oxyfluoride semiconducting glasses: TeO2-Ta2O5-ZnO/ZnF2. Ceramics International, 2020, 46, 25035-25042.	2.3	43
15	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
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17	Utilization of garnet residue in radiation shielding cement mortar. Construction and Building Materials, 2020, 262, 120122.	3.2	26
18	SnO-reinforced silicate glasses and utilization in gamma-radiation-shielding applications. Emerging Materials Research, 2020, 9, 1000-1008.	0.4	67

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27	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
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