

D K Gaikwad

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

967
citations

623734

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docs citations

20
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, structural, optical and gamma radiation shielding properties of borate glasses containing heavy metals (Bi ₂ O ₃ /MoO ₃). Journal of Non-Crystalline Solids, 2019, 507, 30-37.	3.1	162
2	Gamma ray shielding properties of TeO ₂ -ZnF ₂ -As ₂ O ₃ -Sm ₂ O ₃ glasses. Journal of Alloys and Compounds, 2018, 765, 451-458.	5.5	141
3	Comparative study of gamma ray shielding competence of WO ₃ -TeO ₂ -PbO glass system to different glasses and concretes. Materials Chemistry and Physics, 2018, 213, 508-517.	4.0	140
4	Experimental studies and Monte Carlo simulations on gamma ray shielding competence of (30+x)PbO 10WO ₃ 10Na ₂ O-10MgO (40-x)B ₂ O ₃ glasses. Progress in Nuclear Energy, 2020, 119, 103047.	2.9	93
5	Photon attenuation coefficients of different rock samples using MCNPX, Geant4 simulation codes and experimental results: a comparison study. Radiation Effects and Defects in Solids, 2018, 173, 900-914.	1.2	86
6	Newly developed glasses containing Si/Cd/Li/Gd and their high performance for radiation applications: role of Er ₂ O ₃ . Journal of Materials Science: Materials in Electronics, 2021, 32, 9440-9451.	2.2	55
7	Radiation shielding properties of pentatarnary borate glasses using MCNPX code. Journal of Physics and Chemistry of Solids, 2018, 121, 17-21.	4.0	53
8	Structural, optical features and gamma ray shielding properties of Bi ₂ O ₃ -TeO ₂ -B ₂ O ₃ -GeO ₂ glass system. Ceramics International, 2020, 46, 17325-17334.	4.8	48
9	Shielding behaviour of (20+x) Bi ₂ O ₃ -20BaO-10Na ₂ O-10MgO-(40-x) B ₂ O ₃ : An experimental and Monte Carlo study. Chemical Physics, 2020, 529, 110571.	1.9	42
10	Heavy metal ions removal from waste water by the natural zeolites. Materials Today: Proceedings, 2018, 5, 17930-17934.	1.8	35
11	Radiation shielding and gamma ray attenuation properties of some polymers. Nuclear Technology and Radiation Protection, 2017, 32, 288-293.	0.8	32
12	Measurement of attenuation cross-sections of some fatty acids in the energy range 122-1330 keV. Pramana - Journal of Physics, 2016, 87, 1.	1.8	18
13	PANI-ZnO Cladding-Modified Optical Fiber Biosensor for Urea Sensing Based on Evanescent Wave Absorption. Frontiers in Materials, 2020, 7, .	2.4	18
14	Doping effect on the local structure of metamagnetic Co doped Ni/NiO:GO core-shell nanoparticles using X-ray absorption spectroscopy and the pair distribution function. Physical Chemistry Chemical Physics, 2019, 21, 1294-1307.	2.8	15
15	Effects of gamma irradiation on some chemicals using an NaI (Tl) detector. Radiation Effects and Defects in Solids, 2016, 171, 398-407.	1.2	14
16	Gamma Radiation Studies on Organic Nonlinear Optical Materials in the Energy Range 122-1330 keV. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2020, 90, 839-844.	1.2	8
17	Synthesis, local structure and optical property studies of $\hat{\pm}$ -SnS microrods by synchrotron X-ray pair distribution function and micro-Raman shift. RSC Advances, 2020, 10, 21277-21282.	3.6	4
18	Study on the radiation shielding features of some chemical compounds. Journal of Physics: Conference Series, 2020, 1644, 012061.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Gamma Ray Attenuation Properties Biomedical Important Organic Compounds. Journal of Physics: Conference Series, 2020, 1644, 012062.	0.4	0
20	Radiation interaction properties of various polymers, saturated and unsaturated fatty acids: A comparative investigation of Monte Carlo simulation and NISTXCOM. Journal of Physics: Conference Series, 2020, 1644, 012024.	0.4	0