

# Sukhpal Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

409  
citations

1163117

8  
h-index

1058476

14  
g-index

20  
all docs

20  
docs citations

20  
times ranked

303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile solution combustion based synthesis of V <sub>2</sub> O <sub>5</sub> nanocrystals and size-strain study by XRD analysis. AIP Conference Proceedings, 2021, , .	0.4	0
2	Physical and radiation shielding properties of tantalum-zinc-sodium-borate glasses. AIP Conference Proceedings, 2021, , .	0.4	2
3	Investigations on the gamma-ray shielding performance of green concrete using theoretical, experimental and simulation techniques. Progress in Nuclear Energy, 2021, 134, 103654.	2.9	9
4	On the use of green concrete composite as a nuclear radiation shielding material. Progress in Nuclear Energy, 2021, 136, 103730.	2.9	11
5	Investigations on physical, structural and nuclear radiation shielding behaviour of niobium-bismuth-cadmium-zinc borate glass system. Progress in Nuclear Energy, 2021, 142, 104038.	2.9	6
6	Vapour phase techniques for deposition of CZTS thin films: A review. AIP Conference Proceedings, 2018, , .	0.4	0
7	Study of buildup factor of gamma ray photons in bismuth-ground granulated blast furnace slag concrete. AIP Conference Proceedings, 2018, , .	0.4	0
8	Study of some health physics parameters of bismuth-ground granulated blast furnace slag shielding concretes. AIP Conference Proceedings, 2016, , .	0.4	0
9	Study of mass attenuation coefficients and effective atomic numbers of bismuth-ground granulated blast furnace slag concretes. AIP Conference Proceedings, 2016, , .	0.4	0
10	Gamma radiation shielding and health physics characteristics of diaspore-flyash concretes. Journal of Radiological Protection, 2015, 35, 401-414.	1.1	12
11	Gamma radiation shielding analysis of lead-flyash concretes. Applied Radiation and Isotopes, 2015, 95, 174-179.	1.5	93
12	Effect of Flyash Addition on Mechanical and Gamma Radiation Shielding Properties of Concrete. Journal of Energy, 2014, 2014, 1-7.	3.2	5
13	Buildup of gamma ray photons in flyash concretes: A study. Annals of Nuclear Energy, 2010, 37, 681-684.	1.8	34
14	The study of reduced transition probabilities for E2 transitions in the decays of <sup>192</sup> Og and <sup>192</sup> Pt nuclei. Annals of Nuclear Energy, 2009, 36, 1484-1485.	1.8	1
15	Measurements of linear attenuation coefficients of irregular shaped samples by two media method. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1116-1121.	1.4	8
16	Effect of finite sample dimensions and total scatter acceptance angle on the gamma ray buildup factor. Annals of Nuclear Energy, 2008, 35, 2414-2416.	1.8	12
17	Barium-borate-flyash glasses: As radiation shielding materials. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 140-146.	1.4	185
18	Two Media Method: An Alternative Methodology for the Measurement of Attenuation Coefficients of Irregularly Shaped Samples. Nuclear Science and Engineering, 2008, 159, 338-345.	1.1	0

#	ARTICLE	IF	CITATIONS
19	Studies on Effective Atomic Numbers and Electron Densities in Some Commonly Used Solvents. Nuclear Science and Engineering, 2007, 155, 102-108.	1.1	8
20	Molar extinction coefficients of some commonly used solvents. Radiation Physics and Chemistry, 2006, 75, 737-740.	2.8	23