

# Roya Boodaghi Malidarre

## List of Publications by Year in descending order

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| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Fast Neutrons Shielding Properties for HAP-Fe <sub>2</sub> O <sub>3</sub> Composite Materials. International Journal of Computational and Experimental Science and Engineering, 2021, 7, 143-145.  | 10.0 | 65        |
| 2  | Monte Carlo simulation study on TeO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> -PbO-MgO-B <sub>2</sub> O <sub>3</sub> glass for neutron-gamma 252Cf source. Journal of Materials Science: Materials in Electronics, 2021, 32, 11666-11682.                                   | 2.2  | 63        |
| 3  | Monte Carlo simulation of a waste soda-lime-silica glass system containing Sb <sub>2</sub> O <sub>3</sub> for gamma-ray shielding. Emerging Materials Research, 2020, 9, 1334-1340.  | 0.7  | 62        |
| 4  | Monte Carlo simulation of radiation shielding properties of the glass system containing Bi <sub>2</sub> O <sub>3</sub> . European Physical Journal Plus, 2021, 136, 1.   | 2.6  | 53        |
| 5  | Monte Carlo simulations study on gamma ray-neutron shielding characteristics for vinyl ester composites. Polymer Composites, 2021, 42, 4764-4774.  | 4.6  | 47        |
| 6  | Physical, structural, and mechanical properties of the concrete by FLUKA code and phy-X/PSD software. Radiation Physics and Chemistry, 2022, 193, 109958.  | 2.8  | 45        |
| 7  | Monte Carlo simulation on shielding properties of neutron-gamma from 252Cf source for Alumino-Boro-Silicate glasses. Radiation Physics and Chemistry, 2021, 186, 109540.   | 2.8  | 37        |
| 8  | Gamma photon-neutron attenuation parameters of marble concrete by MCNPX code. Radiation Effects and Defects in Solids, 2021, 176, 906-918.   | 1.2  | 30        |
| 9  | Investigation and ANN-based prediction of the radiation shielding, structural and mechanical properties of the Hydroxyapatite (HAP) bio-composite as artificial bone. Radiation Physics and Chemistry, 2022, 197, 110208.  | 2.8  | 28        |
| 10 | Simulation and prediction of the attenuation behaviour of the KNN-LMN based lead-free ceramics by FLUKA code and artificial neural network (ANN) based algorithm. Environmental Technology (United Kingdom), 2023, 44, 875-885.  | 2.2  | 21        |
| 11 | An extensive study on the neutron-gamma shielding and mass stopping power of (70-x) CRT-30K <sub>2</sub> O-xBaO glass system for <sup>252</sup> Cf neutron source. Environmental Technology (United Kingdom), 2023, 44, 875-885.   | 2.2  | 21        |
| 12 | A comprehensive study on the charged-uncharged particle shielding features of (70-x) CRT-30K <sub>2</sub> O-xBaO glass system. Journal of the Australian Ceramic Society, 2022, 58, 841-850.   | 1.9  | 16        |
| 13 | Evaluation of Bioactive Borosilicate Added Ag Glasses in Terms of Radiation Shielding, Structural, Optical, and Electrical Properties. Silicon, 2022, 14, 12371-12379.   | 3.3  | 14        |
| 14 | A Monte Carlo study on attenuation characteristics of colemanite- and barite-containing resources irradiated by 252Cf source against neutron-gamma photon. Polymer Bulletin, 2022, 79, 7843-7870.  | 3.3  | 12        |
| 15 | Deep Learning Prediction for gamma-ray attenuation behavior of the KNN-LMN based lead-free ceramics. Emerging Materials Research, 2022, 11, 1-6.   | 0.7  | 9         |
| 16 | The influence of Nd <sub>2</sub> O <sub>3</sub> on the radiation shielding, physical, mechanical, and acoustic properties of the (75-x) TeO <sub>2</sub> -15MgO-10Na <sub>2</sub> O glasses as a potent radiation shielding material. Polymer Composites, 2022, 43, 5418-5425. | 4.6  | 8         |
| 17 | Simulation of Radiation Absorption Capacity of HAP-ZnO Composite Materials. Arabian Journal for Science and Engineering, 0, 1.   | 3.0  | 0         |