

Mohammed

List of Publications by Year in descending order

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15
papers

609
citations

759233

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times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic and Attenuation Shielding Studies on B ₂ O ₃ -SiO ₂ -LiF- ZnO-TiO ₂ Glasses. Silicon, 2022, 14, 3091-3100.	3.3	61
2	An important role of Ba ²⁺ , Sr ²⁺ , Mg ²⁺ , and Zn ²⁺ in the radiation attenuation performance of CFCBPC bioactive glasses. Journal of the Australian Ceramic Society, 2022, 58, 461-473.	1.9	42
3	Synthesis, thermal, optical, mechanical and radiation-attenuation characteristics of borate glass system modified by Bi ₂ O ₃ /MgO. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	43
4	Simultaneously enhanced efficiency of eco-friendly structural characterization of the dithienocyclopentacarbazole donor based acceptors with narrow bandgap for high-performance organic solar cells. Journal Physics D: Applied Physics, 2022, 55, 235501.	2.8	26
5	Photocatalytic activity of hierarchical CTAB-assisted TiO ₂ nanoparticles for polluted water treatment using solar light illumination. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	8
6	Fabrication and characterization of Th(MoO ₄) ₂ /TiO ₂ nanocomposite for potential use in photocatalytic degradation of toxic pollutants. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	7
7	Polarizability, Optical Basicity, and Photon Attenuation Properties of Ag ₂ O-“MoO ₃ ”-V ₂ O ₅ ”-TeO ₂ Glasses: The Role of Silver Oxide. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1047-1056.	3.7	74
8	The Effects of TeO ₂ on Polarizability, Optical Transmission, and Photon/Neutron Attenuation Properties of Boro-Zinc-Tellurite Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2331-2338.	3.7	69
9	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
10	Role of heavy metal oxides on the radiation attenuation properties of newly developed TBBE-X glasses by computational methods. Physica Scripta, 2021, 96, 075302.	2.5	55
11	Effect of Ag ₂ O/V ₂ O ₅ substitution on the radiation shielding ability of tellurite glass system via XCOM approach and FLUKA simulations. Physica Scripta, 2021, 96, 065308.	2.5	84
12	The significant role of CeO ₂ content on the radiation shielding performance of Fe ₂ O ₃ -P ₂ O ₅ glass-ceramics: Geant4 simulations study. Physica Scripta, 2021, 96, 115305.	2.5	11
13	Synthesis, optical, and radiation attenuation properties of CaF ₂ -TeO ₂ -Na ₂ B ₄ O ₇ -CuO glass system for advanced shielding applications. European Physical Journal Plus, 2021, 136, 1.	2.6	43
14	Gamma, neutron, and charged-particles shielding properties of tellurite glass system containing Sb ₂ O ₃ and V ₂ O ₅ . Journal of Materials Science: Materials in Electronics, 2021, 32, 28275-28286.	2.2	14
15	Optical and gamma-ray absorption features of newly developed P ₂ O ₅ ”Ce ₂ O ₃ ”La ₂ O ₃ glass system. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	17