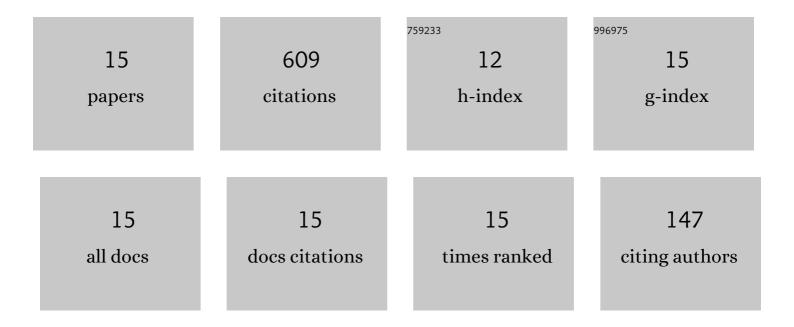
## Mohammed

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9884968/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Effect of Ag <sub>2</sub> O/V <sub>2</sub> O <sub>5</sub> substitution on the radiation shielding ability of tellurite glass system via XCOM approach and FLUKA simulations. Physica Scripta, 2021, 96, 065308.	2.5	84
2	Polarizability, Optical Basicity, and Photon Attenuation Properties of Ag2O–MoO3–V2O5–TeO2 Glasses: The Role of Silver Oxide. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1047-1056.	3.7	74
3	The Effects of TeO2 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
4	Spectroscopic and Attenuation Shielding Studies on B2O3-SiO2-LiF- ZnO-TiO2 Glasses. Silicon, 2022, 14, 3091-3100.	3.3	61
5	Newly developed glasses containing Si/Cd/Li/Gd and their high performance for radiation applications: role of Er2O3. Journal of Materials Science: Materials in Electronics, 2021, 32, 9440-9451.	2.2	55
6	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
7	Synthesis, optical, and radiation attenuation properties of CaF2-TeO2-Na2B4O7-CuO glass system for advanced shielding applications. European Physical Journal Plus, 2021, 136, 1.	2.6	43
8	Synthesis, thermal, optical, mechanical and radiation-attenuation characteristics of borate glass system modified by Bi2O3/MgO. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	43
9	An important role of Ba2+, Sr2+, Mg2+, and Zn2+ in the radiation attenuation performance of CFCBPC bioactive glasses. Journal of the Australian Ceramic Society, 2022, 58, 461-473.	1.9	42
10	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
11	Optical and gamma-ray absorption features of newly developed P2O5â^'Ce2O3â^'La2O3 glass system. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	17
12	Gamma, neutron, and charged-particles shielding properties of tellurite glass system containing Sb2O3 and V2O5. Journal of Materials Science: Materials in Electronics, 2021, 32, 28275-28286.	2.2	14
13	The significant role of CeO <sub>2</sub> content on the radiation shielding performance of Fe <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glass-ceramics: Geant4 simulations study. Physica Scripta, 2021, 96, 115305.	2.5	11
14	Photocatalytic activity of hierarchical CTAB-assisted TiO2 nanoparticles for polluted water treatment using solar light illumination. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	8
15	Fabrication and characterization of Th(MoO4)2/TiO2 nanocomposite for potential use in photocatalytic degradation of toxic pollutants. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	7