Imen Kebaili

List of Publications by Year
in descending order

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29 papers	611 citations	687363 13 h-index	610901 24 g-index
29 all docs	29 docs citations	29 times ranked	288 citing authors

#	Article	IF	Citations
1	Photon and electron attenuation parameters of phosphate and borate bioactive glasses by using Geant4 simulations. Ceramics International, 2020, 46, 24435-24442.	4.8	74
2	Spectroscopic and Attenuation Shielding Studies on B2O3-SiO2-LiF- ZnO-TiO2 Glasses. Silicon, 2022, 14, 3091-3100.	3.3	61
3	Estimation of gamma-rays, and fast and the thermal neutrons attenuation characteristics for bismuth tellurite and bismuth boro-tellurite glass systems. Journal of Materials Science, 2020, 55, 5750-5771.	3.7	60
4	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
5	The role of PbF2 on the gamma-ray photon, charged particles, and neutron shielding prowess of novel lead fluoro bismuth borate glasses. Journal of Materials Science: Materials in Electronics, 2022, 33, 1123-1139.	2.2	46
6	Synthesis of Pb3O4-SiO2-ZnO-WO3 Glasses and their Fundamental Properties for Gamma Shielding Applications. Silicon, 2022, 14, 5661-5671.	3.3	38
7	Effect of lead oxide on the optical properties and radiation shielding efficiency of antimony-sodium-tungsten glasses. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	33
8	Ge20Se80-xBix (xâ€‰â‰‰â€‰12) chalcogenide glasses for infrared and gamma sensing applications: structural, optical and gamma attenuation aspects. Journal of Materials Science: Materials in Electronics, 2021, 32, 15509-15522.	2.2	28
9	Radiation attenuation properties of bioactive glasses doped with NiO. Ceramics International, 2020, 46, 19880-19889.	4.8	27
10	Effect of TiO2/V2O5 substitution on the optical and radiation shielding properties of alkali borate glasses: A Monte Carlo investigation. Ceramics International, 2020, 46, 25671-25677.	4.8	27
11	Plant-mediated green synthesis of zinc oxide nanoparticles for novel application to enhance the shelf life of tomatoes. Applied Nanoscience (Switzerland), 2022, 12, 179-191.	3.1	27
12	Theoretical characterization and band gap tuning of Snx(GeSe2)100-x thin films. Materials Chemistry and Physics, 2020, 251, 123133.	4.0	23
13	Gamma-ray shielding parameters of lithium borotellurite glasses using Geant4 code. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	15
14	Cytotoxic and photocatalytic studies of hexagonal boron nitride nanotubes: a potential candidate for wastewater and air treatment. RSC Advances, 2022, 12, 6592-6600.	3.6	15
15	Variations in the band gap of semiconducting glassy chalcogenides with composition. Philosophical Magazine, 2021, 101, 450-467.	1.6	11
16	Effect of Ag2O substituted in bioactive glasses: a synergistic relationship between antibacterial zone and radiation attenuation properties. Journal of Materials Research and Technology, 2021, 13, 2194-2201.	5.8	11
17	High and temperature-insensitive piezoelectric performance in the lead-free Sm-doped BiFeO3â€“BaTiO3 ceramics with high Curie temperature. Ceramics International, 2022, 48, 26608-26617.	4.8	11
18	Effect of (SbS) addition on the physical properties of quaternary (CdTe)100-x(SbS)x (0â€‰â‰‰â€‰xâ€‰â‰‰â€‰28 at. %) glasses and band gap engineering. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	10

#	Article	IF	Citations
19	Synthesis and characterization of Ag-ZnO nano-composites for investigation of variations in the germination of peanut and kidney beans. Applied Nanoscience (Switzerland), 2021, 11, 2767-2777.	3.1	8
20	Synthesis of BiVO4/NiFe2O4 composite for photocatalytic degradation of methylene blue. Applied Nanoscience (Switzerland), 2021, 11, 2793.	3.1	7
21	Impact of indium content on the thermoelectric power, dark conductivity, and photoconductivity of Geâ€“Asâ€“Te thin films. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	5
22	The effect of adding CsCl content on physicochemical properties of (GeS2â€“Sb2S3)100-x(CsCl)x (0 â‰¤ x â‰¤) Tj ETQq0 0 0 rgBT /Ove	3.6	4
23	Characterization of physicochemical properties of As2Se3â€“GeTeâ€“AgI chalcohalide glasses for solar cell and IR applications: influence of adding AgI. Journal of Materials Science: Materials in Electronics, 2022, 33, 800.	2.2	4
24	Integrating ZnO/CdS Schottky junction for remarkably enhanced photocatalytic performance under solar spectrum. Applied Nanoscience (Switzerland), 2022, 12, 1613-1626.	3.1	4
25	Study of the influence of MoO₃ concentration on the chemical structure, physical properties, and radiation absorption prowess of alumino lead borate glasses. Physica Scripta, 2021, 96, 125325.	2.5	4
26	Dielectric Constant, Metallization Criterion and Optical Properties of CuO Doped TeO2â€“B2O3 Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2513-2526.	3.7	2
27	Non-woven fabric coated with candle soot for water remediation. Journal of the Australian Ceramic Society, 2022, 58, 617-625.	1.9	1
28	Physical characteristics, band-gap and glass-transition temperature estimations of (CdTe)_{100â^'x}(SbSe)_x glasses. Physica Scripta, 2021, 96, 125840.	2.5	0
29	Ferromagnetic Properties of Ni9S8/MoS2 Hybrid Structure. Journal of Superconductivity and Novel Magnetism, 0, , 1.	1.8	0