

# Mohammed Sadeq

## List of Publications by Year in descending order

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13  
papers

527  
citations

759233

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#	ARTICLE	IF	CITATIONS
1	The role of CuCl <sub>2</sub> in tuning the physical, structural and optical properties of some Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glasses. Journal of Non-Crystalline Solids, 2020, 528, 119749.	3.1	80
2	Effect of samarium oxide on structural, optical and electrical properties of some aluminoborate glasses with constant copper chloride. Journal of Rare Earths, 2020, 38, 770-775.	4.8	76
3	Effect of mixed rare-earth ions on the structural and optical properties of some borate glasses. Ceramics International, 2019, 45, 18327-18332.	4.8	73
4	Influence of cobalt ions on the structure, phonon emission, phonon absorption and ligand field of some sodium borate glasses. Journal of Non-Crystalline Solids, 2019, 525, 119666.	3.1	66
5	The path towards wide-bandgap and UV-transparent lithium phosphate glasses doped with cobalt oxide for optical applications. Journal of Non-Crystalline Solids, 2021, 569, 120983.	3.1	41
6	Influence of Fe cations on the structural and optical properties of alkali-alkaline borate glasses. Journal of Non-Crystalline Solids, 2020, 548, 120320.	3.1	35
7	The tungsten oxide within phosphate glasses to investigate the structural, optical, and shielding properties variations. Journal of Materials Science: Materials in Electronics, 2021, 32, 12402-12413.	2.2	31
8	Impact of cobalt ions on the phonon energy and ligand field parameters of some borate glasses. Journal of Non-Crystalline Solids, 2021, 555, 120535.	3.1	27
9	The structure, correlated vibrations, optical parameters and metallization criterion of Mn <sup>2+</sup> -Zn <sup>2+</sup> -Cr nanoferrites. Journal of Materials Science: Materials in Electronics, 2021, 32, 15814-15825.	2.2	26
10	Effect of mixed heavy metal cations on the A.C. conductivity and dielectric properties of some boro-silicate glasses. Ceramics International, 2018, 44, 14363-14369.	4.8	24
11	Impact of Cr <sup>3+</sup> substitution on the nephelauxetic ratio and Racah parameter of Cr-Mn-Zn nanoferrites. Physica Scripta, 2022, 97, 015804.	2.5	20
12	Effects of TiO <sub>2</sub> , V <sub>2</sub> O <sub>5</sub> , MnO <sub>2</sub> and Tl <sub>2</sub> O <sub>3</sub> on structural, physical, optical and ionizing radiation shielding properties of strontium boro-tellurite glass: An experimental study. Optical Materials, 2022, 127, 112350.	3.6	19
13	Optical and radiation shielding properties of titano-phosphate glasses: influence of BaO. Journal of the Australian Ceramic Society, 2022, 58, 867-880.	1.9	9