

M G Moustafa

List of Publications by Citations

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30
papers

377
citations

12
h-index

18
g-index

33
ext. papers

526
ext. citations

3.6
avg, IF

4.26
L-index

#	Paper	IF	Citations
30	Optical and dielectric properties of transparent ZrO ₂ /TiO ₂ /B ₂ O ₃ glass system. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 312-322	5.7	41
29	Conductivity and dielectric behaviour of iron sodium phosphate glasses. <i>Materials Chemistry and Physics</i> , 2001 , 69, 180-185	4.4	40
28	Optical constants, dispersion parameters and non-linearity of different thickness of As ₄₀ S ₄₅ Se ₁₅ thin films for optoelectronic applications. <i>Optik</i> , 2019 , 186, 275-287	2.5	34
27	Enhancement of Electric Conductivity in Transparent Glass/Ceramic Nanocomposites of Bi ₂ O ₃ /BaTiO ₃ Glasses. <i>Journal of Materials Science and Technology</i> , 2013 , 29, 1166-1176	9.1	28
26	Optical and electrical studies of borosilicate glass containing vanadium and cobalt ions for smart windows applications. <i>Ceramics International</i> , 2017 , 43, 1795-1801	5.1	25
25	Unraveling the hidden Urbach edge and Cr ⁶⁺ optical transitions in borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019 , 515, 157-164	3.9	20
24	Electrical transport properties and conduction mechanisms of semiconducting iron bismuth glasses. <i>Ceramics International</i> , 2016 , 42, 17723-17730	5.1	20
23	Optical and electronic properties for As ₆₀ Se ₄₀ uniform thickness of thin films: Influence of Se content. <i>Optical Materials</i> , 2020 , 109, 110257	3.3	18
22	Study of nanostructure and ionic conductivity of Li _{1.3} Nb _{0.3} V _{1.7} (PO ₄) ₃ glass ceramics used as cathode material for solid batteries. <i>Journal of Non-Crystalline Solids</i> , 2014 , 391, 6-11	3.9	16
21	A comprehensive identification of optical transitions of cobalt ions in lithium borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019 , 517, 9-16	3.9	14
20	NASICON-type lithium iron germanium phosphate glass ceramic nanocomposites as anode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 156338	5.7	14
19	Investigation of Structural and Optical Properties of Amorphous-Crystalline Phase Transition of As ₄₀ S ₄₅ Se ₁₅ Thin Films. <i>Acta Physica Polonica A</i> , 2019 , 136, 498-512	0.6	12
18	A comprehensive study of electrical and optical properties of phosphate oxide-based glasses doped with Er ₂ O ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 9994-10007	2.1	10
17	Microstructure, thermal, optical and dielectric properties of new glass nanocomposites of SrTiO ₃ nanoparticles/clusters in tellurite glass matrix. <i>Journal of Non-Crystalline Solids</i> , 2018 , 482, 223-229	3.9	10
16	Thermal features and physical properties of sulfur modified barium vanadate glasses. <i>Phase Transitions</i> , 2013 , 86, 477-489	1.3	10
15	Sheet resistance/temperature dependence, thermal and electrical analysis of As ₄₀ S ₆₀ Se _x thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	10
14	Investigation of Optical and Electrical Properties of Different Compositions of As-S-Se Thin Films at Thickness 725 nm With High Precision Using a Wedge-Shaped Optical Model. <i>Journal of Electronic Materials</i> , 2020 , 49, 5750-5761	1.9	10

13	Effect of sulfur addition and heat treatment on electrical conductivity of barium vanadate glasses containing iron. <i>Materials Chemistry and Physics</i> , 2011 , 129, 380-384	4.4	8
12	⁵⁷ Fe and ¹¹⁹ Sn Mössbauer, XRD, FTIR and DC conductivity study of Li ₂ O Fe ₂ O ₃ SnO ₂ P ₂ O ₅ glass and glass ceramics. <i>Journal of Alloys and Compounds</i> , 2018 , 765, 121-127	5.7	8
11	Towards superior optical and dielectric properties of borosilicate glasses containing tungsten and vanadium ions. <i>Materials Chemistry and Physics</i> , 2020 , 254, 123464	4.4	5
10	Enhancing the electrical conduction in sodium borosilicate titanate glass doped with Nd or Gd ions to increase its optical absorption for smart windows applications. <i>Optik</i> , 2019 , 185, 477-485	2.5	4
9	Spectroscopic, morphology and electrical conductivity studies on Co(II), Ni(II), Cu(II) and Mn(II)-oxaloyldihydrazone complexes. <i>Journal of Saudi Chemical Society</i> , 2020 , 24, 381-392	4.3	4
8	Optical, FTIR, electrical and dielectrical properties of a glass system for smart windows applications. <i>Optik</i> , 2020 , 221, 165358	2.5	4
7	Green fabrication of ZnAl ₂ O ₄ -coated LiFePO ₄ nanoparticles for enhanced electrochemical performance in Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022 , 903, 163910	5.7	3
6	Role of Sulfur as a Reducing Agent for the Transition Metals Incorporated into Lithium Silicate Glass. <i>Croatica Chemica Acta</i> , 2015 , 88, 505-510	0.8	3
5	Enhancement of the electrochemical performance of LiCoPO ₄ by Fe doping. <i>Ceramics International</i> , 2021 , 47, 31826-31833	5.1	3
4	Controlled crystallization a ionic conductivity of nanostructured LiNbFePO ₄ glass ceramic. <i>Hyperfine Interactions</i> , 2014 , 226, 131-140	0.8	2
3	Insight on the weak hopping conduction produced by titanium ions in the lead borate glassy system. <i>Materials Research Bulletin</i> , 2021 , 140, 111323	5.1	0
2	Mössbauer and electrical conduction investigations of LiFe(BaTi)(PO ₄) NASICON nano composite. <i>Hyperfine Interactions</i> , 2016 , 237, 1	0.8	
1	Improvement of the EC Performance in LCP-MOF Electrode Materials by Succinic Anhydrate Addition to the Electrolyte. <i>Sustainability</i> , 2022 , 14, 323	3.6	