

# M Y Hassaan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55  
papers

396  
citations

11  
h-index

16  
g-index

57  
ext. papers

457  
ext. citations

2.4  
avg, IF

3.46  
L-index

#	Paper	IF	Citations
55	Enhancement of structural and optical properties of transparent sodium zinc phosphate glass/ceramics nano composite. <i>Journal of the Australian Ceramic Society</i> , <b>2022</b> , 58, 653-661	1.5	0
54	Comparative neutronic study for heterogeneous and homogeneous fuel assembly in a lead-cooled fast reactor. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2021</b> , 1171, 012009	0.4	0
53	The influence of both Zn <sup>2+</sup> and Ca <sup>2+</sup> on linear and nonlinear optical parameters of some bismuth borate-based glasses. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	9
52	Sheet resistance/temperature dependence, thermal and electrical analysis of As <sub>40</sub> S <sub>60</sub> Se thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	10
51	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> , <b>2020</b> , 49, 5750-5761	1.9	10
50	Development of advanced, transparent radiation shielding glass possessing phosphate and lead ions in the glassy matrix. <i>Journal of Optics (India)</i> , <b>2020</b> , 49, 438-445	1.3	1
49	Impact of RGO on electrical and dielectric properties of Co <sub>3</sub> O <sub>4</sub> /RGO nanocomposite. <i>Materials Research Express</i> , <b>2019</b> , 6, 105039	1.7	4
48	DC and AC Conductivity Study of Basalt Glasses Containing High Concentrations of Na <sup>+</sup> Ions. <i>Silicon</i> , <b>2018</b> , 10, 2153-2160	2.4	2
47	Optical and FT Infrared Absorption Spectra of Soda Lime Silicate Glasses Containing nano Fe <sub>2</sub> O <sub>3</sub> and Effects of Gamma Irradiation. <i>Silicon</i> , <b>2017</b> , 9, 511-517	2.4	10
46	Evaluation of the elastic properties of monovalent oxides using (hbox {TeO}_{2})-based glasses. <i>Bulletin of Materials Science</i> , <b>2017</b> , 40, 555-560	1.7	3
45	Optical and electrical studies of borosilicate glass containing vanadium and cobalt ions for smart windows applications. <i>Ceramics International</i> , <b>2017</b> , 43, 1795-1801	5.1	25
44	Synthesis optical properties of novel TeO <sub>2</sub> based glasses. <i>Optik</i> , <b>2016</b> , 127, 8933-8939	2.5	9
43	Mössbauer and electrical conduction investigations of LiFe(BaTi)(PO <sub>4</sub> ) NASICON nano composite. <i>Hyperfine Interactions</i> , <b>2016</b> , 237, 1	0.8	
42	Optical, FTIR and DC Conductivity of Soda Lime Silicate Glass Containing Cement Dust and Transition Metal Ions. <i>Silicon</i> , <b>2016</b> , 8, 443-453	2.4	19
41	Structural Study of Glass and Glass Ceramics Prepared with Egyptian Basalt. <i>Silicon</i> , <b>2015</b> , 7, 383-391	2.4	12
40	Role of Sulfur as a Reducing Agent for the Transition Metals Incorporated into Lithium Silicate Glass. <i>Croatica Chemica Acta</i> , <b>2015</b> , 88, 505-510	0.8	3
39	Controlled crystallization a ionic conductivity of nanostructured LiNbFePO <sub>4</sub> glass ceramic. <i>Hyperfine Interactions</i> , <b>2014</b> , 226, 131-140	0.8	2

38	The influence of oxides on the optical properties of tellurite glasses. <i>Physica Scripta</i> , <b>2014</b> , 89, 115812	2.6	23
37	Study of nanostructure and ionic conductivity of $\text{Li}_{1.3}\text{Nb}_{0.3}\text{V}_{1.7}(\text{PO}_4)_3$ glass ceramics used as cathode material for solid batteries. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 391, 6-11	3.9	16
36	Thermal features and physical properties of sulfur modified barium vanadate glasses. <i>Phase Transitions</i> , <b>2013</b> , 86, 477-489	1.3	10
35	Structural and electric-dielectric properties of some bismuth -phosphate glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>2012</b> , 73, 407-417	3.9	15
34	Effect of nanocrystallization on the electrical conduction of silver lithium phosphate glasses containing iron and vanadium. <i>Hyperfine Interactions</i> , <b>2012</b> , 205, 91-95	0.8	
33	Effect of sulfur addition and heat treatment on electrical conductivity of barium vanadate glasses containing iron. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 129, 380-384	4.4	8
32	Effect of nanocrystallization on the electrical conductivity enhancement and Mössbauer hyperfine parameters of iron based glasses. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 1122-1126	5.1	14
31	Follow up of the glassy phase formation as silicon oxide was added to Brownmillerite phase of Portland cement clinker. <i>Hyperfine Interactions</i> , <b>2009</b> , 188, 25-33	0.8	2
30	Crystallization kinetics of new compound of $\text{V}_2\text{O}_5\text{B}_2\text{O}_7\text{Li}_2\text{OBe}_2\text{O}_3$ glass using differential thermal analysis. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 482, 440-446	5.7	17
29	Structural, magnetic and electrical transport properties of the $\text{La}_{0.70}\text{Sr}_{0.30}\text{Mn}_{0.96}\text{Fe}_{0.04}\text{O}_3 + \square$ perovskite. <i>Hyperfine Interactions</i> , <b>2008</b> , 184, 167-172	0.8	8
28	Follow up of the glassy phase formation as silicon oxide was added to Brownmillerite phase of Portland cement clinker <b>2008</b> , 1259-1267		
27	Variation of the oxidation state of iron in sodium borate glasses caused by the external magnetic field applied during sample preparation. <i>Materials Letters</i> , <b>2005</b> , 59, 3788-3790	3.3	
26	Variation of Some Physical Properties of Brownmillerite Doped with a Transition Metal Oxide. <i>Hyperfine Interactions</i> , <b>2004</b> , 156/157, 459-464	0.8	4
25	Variation of Some Physical Properties of Brownmillerite Doped with a Transition Metal Oxide <b>2004</b> , 459-464		
24	Some physical properties of anhydrous and hydrated Brownmillerite doped with NaF. <i>Cement and Concrete Research</i> , <b>2003</b> , 33, 697-702	10.3	4
23	An easy and economic method for preparing completely reduced basalt glass. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 306, 200-203	3.9	5
22	The role of silicon atoms inside the Brownmillerite phase of cement clinker <b>2002</b> , 503-506		
21	Mössbauer and electrical properties of sulfur doped basalt glass <b>2002</b> , 61-65		2

20	Conductivity and dielectric behaviour of iron sodium phosphate glasses. <i>Materials Chemistry and Physics</i> , <b>2001</b> , 69, 180-185	4.4	40
19	WO <sub>3</sub> concentration and frequency dependence of conductivity and dielectric constant of sodium borate tungstate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1998</b> , 9, 447-451	2.1	11
18	. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1998</b> , 9, 77-82	2.1	26
17	Application of Magnetic Susceptibility to Study Low Iron Substitution in Tricalcium Aluminate. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 1958-1960	3.8	2
16	Superparamagnetic behaviour of cement clinker and its ferrite phase doped with different impurities. <i>Hyperfine Interactions</i> , <b>1992</b> , 71, 1389-1393	0.8	6
15	Study of the effect of aluminium ions on the properties of the ferrite phase of Portland cement clinker by Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , <b>1990</b> , 58, 2575-2579	0.8	2
14	Effect of alkali ions on the electrical properties of the ferrite phase of cement clinker. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1990</b> , 1, 225-229	2.1	2
13	A Mössbauer study on the magnetic and thermal behaviour of the ferrite phase of cement clinker. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1990</b> , 123, 153-157	5.3	6
12	Study of the dehydration of Portland Cement by Mössbauer spectrometry. <i>Hyperfine Interactions</i> , <b>1989</b> , 46, 733-738	0.8	
11	Effect of alkali ions on the strength development of cement paste by Mössbauer spectrometry. <i>Hyperfine Interactions</i> , <b>1989</b> , 46, 739-745	0.8	4
10	Study of anhydrous and hydrated Portland cement containing alkali ions by infrared spectroscopy. <i>Journal of Materials Science Letters</i> , <b>1989</b> , 8, 578-580		8
9	Mössbauer spectroscopic study on portland cement clinker containing alkali ions. <i>Hyperfine Interactions</i> , <b>1988</b> , 42, 1195-1198	0.8	1
8	Effect of gypsum on the strength development of portland cement by Mössbauer spectrometry. <i>Hyperfine Interactions</i> , <b>1988</b> , 42, 1199-1202	0.8	4
7	Mössbauer, X-ray and derivatographic studies on Egyptian Nile clay. <i>Hyperfine Interactions</i> , <b>1988</b> , 41, 775-778	0.8	8
6	Mössbauer effect study on the magnetic and thermal behaviour of the Cd?Mg ferrite system. <i>Materials Science and Engineering</i> , <b>1986</b> , 77, 149-153		1
5	Mössbauer spectroscopic study on Portland cement clinker doped with sodium carbonate. <i>Journal of Materials Science Letters</i> , <b>1985</b> , 4, 37-38		4
4	Mössbauer spectroscopy in cement manufacture. <i>Journal of Materials Science Letters</i> , <b>1984</b> , 3, 88-90		11
3	Study of the high iron concentrations in cement clinker by Mössbauer spectroscopy. <i>Journal of Materials Science Letters</i> , <b>1984</b> , 3, 262-264		6

- 2 Study of magnetic properties and lattice dynamics of the Cd x Co<sub>1-x</sub> ferrite system by Mössbauer effect. *Acta Physica Academiae Scientiarum Hungaricae*, **1981**, 51, 313-318 7
- 1 Preparation and Characterization of Egyptian Granite Based Glass with Different Na<sup>+</sup> Ions Content. *Silicon*, 1 2.4 0