Fouad Abdel-Wahab

List of Publications by Year
in descending order

20	448	687363 13	794594 19
papers	citations	h-index	g-index

20	20	20	314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Meyerâ€“Neldel rule in chalcogenide glasses. Applied Physics Letters, 1997, 70, 652-654.	3.3	99
2	Enhancement of the optical and mechanical properties of chitosan using Fe2O3 nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 10877-10884.	2.2	46
3	Signature of the Meyerâ€“Neldel rule on the correlated barrier-hopping model. Journal of Applied Physics, 2002, 91, 265.	2.5	41
4	Observation of phase separation in some Seâ€“Teâ€“Sn chalcogenide glasses. Physica B: Condensed Matter, 2011, 406, 1053-1059.	2.7	39
5	Electrical conductivity and dielectric properties of some vanadiumâ€“strontiumâ€“iron unconventional oxide glasses. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 134, 1-8.	3.5	26
6	Effect of Sb on the optical properties of the Geâ€“Se chalcogenide thin films. Physica B: Condensed Matter, 2013, 422, 40-46.	2.7	25
7	High performance visible light photodetector based on TlInSSe single crystal for optoelectronic devices. Physica Scripta, 2019, 94, 105816.	2.5	23
8	Switching behavior in V2O5â€“SrOâ€“FeO glass system. Materials Chemistry and Physics, 2005, 91, 532-537.	4.0	20
9	Effect of solâ€“gel ZnO spin-coating on the performance of TiO2-based dye-sensitized solar cell. Solid-State Electronics, 2013, 87, 98-103.	1.4	17
10	Optical characterization of the annealing effect on Ge5Te20Se75 thin films by variable angle of-incidence spectroscopic ellipsometry. Optik, 2016, 127, 3871-3877.	2.9	14
11	Unified hopping model for dc and ac conduction in chalcogenide glasses. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1327-1333.	0.6	13
12	Spectroscopic ellipsometry characterization of Ge30-xSbx Se70 films using combinations of multiple dispersion functions. Optik, 2017, 147, 59-71.	2.9	13
13	Optical and structural characterization of ultrananocrystalline diamond/hydrogenated amorphous carbon composite films deposited via coaxial arc plasma. Current Applied Physics, 2019, 19, 143-148.	2.4	13
14	Photoacoustic spectroscopy as a non-destructive technique for optical properties measurements of nanostructures. Optik, 2020, 201, 163389.	2.9	13
15	MÃ¶ssbauer spectroscopy and electrical transport properties of iron doped sodium lead borate glasses. Materials Chemistry and Physics, 2005, 93, 243-250.	4.0	11
16	Optical parameters of Ge15Sb5Se80 and Ge15Sb5Te80 from ellipsometric measurements. Physica B: Condensed Matter, 2018, 530, 300-306.	2.7	11
17	Structural, Thermal, Electrical, and Negative Resistance Properties of (Se₆₀Te₄₀)_xTl_(100â^'x) Chalcogenide Glasses. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700666.	1.8	9
18	Unified conduction mechanism in unconventional VZnCaFeO glasses. Physica B: Condensed Matter, 2014, 449, 246-250.	2.7	8

#	Article	IF	Citations
19	Unified hopping model for dc and ac conduction in chalcogenide glasses. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1327-1333.	0.6	7
20	The effect of non-bridging oxygen on the electrical transport of some lead borate glasses containing cobalt. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 847-852.	1.5	0