

# Mohamed F Kotkata

## List of Publications by Year in descending order

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42  
papers

1,013  
citations

394286

19  
h-index

434063

31  
g-index

42  
all docs

42  
docs citations

42  
times ranked

809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of temperature on physical and mechanical properties of concrete containing silica fume. Cement and Concrete Research, 1996, 26, 669-675.	4.6	142
2	Electrical conductivity of concrete containing silica fume. Cement and Concrete Research, 1995, 25, 1615-1620.	4.6	87
3	Synthesis and structural characterization of CdS nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1457-1465.	1.3	74
4	Enhanced physical, mechanical and microstructural properties of lightweight vermiculite cement composites modified with nano metakaolin. Construction and Building Materials, 2016, 112, 276-283.	3.2	62
5	A survey of amorphous $Se_{1-x}Te_x$ semiconductors and their characteristic aspects of crystallization. Acta Physica Hungarica, 1983, 54, 303.	0.1	44
6	Flexural strength and physical properties of fiber reinforced nano metakaolin cementitious surface compound. Construction and Building Materials, 2013, 43, 453-460.	3.2	44
7	Investigations of the conduction mechanism and relaxation properties of semiconductor Sm doped a-Se films. Journal Physics D: Applied Physics, 2006, 39, 2059-2066.	1.3	42
8	Structural characterization of chemically synthesized CdSe nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 640-645.	1.3	39
9	Thermo-physical properties of nanostructured lightweight fiber reinforced cementitious composites. Construction and Building Materials, 2016, 102, 167-174.	3.2	37
10	Non-isothermal crystallization kinetic studies on amorphous chalcogenide semiconductors. Materials Science and Engineering, 1982, 54, 163-168.	0.1	30
11	The effect of Tl addition on the electrical and thermal transport properties of amorphous $As_2Se_3$ . Semiconductor Science and Technology, 1986, 1, 313-319.	1.0	30
12	Growth of crystalline phase in amorphous solid and liquid $SSe_{20}$ . Journal of Physics C: Solid State Physics, 1978, 11, 1077-1083.	1.5	29
13	Photo-effect on crystallization kinetics of amorphous selenium doped with sulphur. Journal of Non-Crystalline Solids, 1979, 33, 13-22.	1.5	29
14	Effect of silica fume on the phase composition and microstructure of thermally treated concrete. Cement and Concrete Research, 1996, 26, 1479-1484.	4.6	27
15	Transport studies of $S_{1-x}Se_x$ amorphous semiconductors. Materials Science and Engineering, 1983, 60, 163-171.	0.1	25
16	Amorphous-to-crystalline transitions in the system $S_xTe_{100-x}$ with x between 5 and 25. Materials Science and Engineering, 1985, 72, 163-170.	0.1	24
17	Memory switching in amorphous $Ge_{1-x}Se_x$ , $Ge_{1-x}Se_x$ , Tl chalcogenide semiconductor films. Thin Solid Films, 1994, 240, 143-146.	0.8	24
18	Studies of short-range order in amorphous $Ge_xSe_{100-x}$ compounds by X-ray photoelectron spectroscopy. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1994, 69, 209-222.	0.6	21

#	ARTICLE	IF	CITATIONS
19	A study of the electrical conductivity of amorphous-crystalline selenium mixtures. Materials Science and Engineering, 1987, 95, 287-293.	0.1	20
20	optical studies of disorder and defects in amorphous $GexSe_{1-x}$ films as a function of composition. Journal of Non-Crystalline Solids, 1993, 164-166, 1259-1262.	1.5	18
21	Effect of thallium on the optical properties of amorphous $GeSe_2$ and $GeSe_4$ films. Journal Physics D: Applied Physics, 1994, 27, 623-627.	1.3	18
22	Effect of In-content on the optical properties of a-Se films. Applied Surface Science, 2009, 255, 9071-9077.	3.1	13
23	Investigation on microstructural and optical properties of nano-crystalline CdSe thin films. Thin Solid Films, 2017, 631, 219-226.	0.8	12
24	Effect of composition on the electrical and structural characterization of $S_xTe_xSe_{100-2x}$ amorphous alloys. Materials Science and Engineering, 1984, 67, 39-45.	0.1	11
25	Structural based interpretation for the electrical conduction in $Ag_{1-x}As_2S_3$ glasses. Journal of Non-Crystalline Solids, 1985, 77-78, 1229-1232.	1.5	11
26	Electrical conductivity and crystallization kinetics of amorphous $Se_{0.81}In_{0.19}$ films. Physica B: Condensed Matter, 2005, 366, 38-43.	1.3	11
27	Opto-electronic characterizations of oriented nano-structure CdSe film/Si (001) heterostructure. Superlattices and Microstructures, 2014, 69, 149-163.	1.4	11
28	Studies of evaporated amorphous $GeSe_2$ films as a function of annealing. Journal of Non-Crystalline Solids, 1991, 137-138, 963-966.	1.5	9
29	Electrical and optical studies on amorphous $CuInSe_2$ films. Journal of Non-Crystalline Solids, 1996, 205-207, 180-183.	1.5	9
30	Model-free transformation kinetics for ZnS quantum dots synthesized via colloidal reaction. Physica B: Condensed Matter, 2014, 433, 127-132.	1.3	8
31	Preparation and characterization of co-evaporated a-GaAs films. Journal of Non-Crystalline Solids, 1996, 205-207, 176-179.	1.5	7
32	Current transport mechanisms for heterojunctions of a-Se on various crystalline wafers (n-Si, p-Si) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	7
33	Crystallization kinetics of amorphous $Se_{60}S_{20}Te_{20}$ . Journal of Non-Crystalline Solids, 1983, 59-60, 891-894.	1.5	6
34	Thermal annealing effect on the electrical properties and structural defects density of non-stoichiometric a-GaAs films. Physica B: Condensed Matter, 2005, 368, 209-214.	1.3	6
35	The Meyer-Neldel rule for dc activation processes in mixed isoelectronic chalcogens systems. Journal of Non-Crystalline Solids, 2012, 358, 420-426.	1.5	5
36	Gold Schottky contacts on (002) CdSe films growing on p-type silicon wafer. Superlattices and Microstructures, 2013, 55, 131-143.	1.4	5

#	ARTICLE	IF	CITATIONS
37	Effect of radiation on some glasses in the system $As_4Se_xTe_{6-x}$ . Radiation Physics and Chemistry (1977), 1984, 23, 553-560.	0.4	3
38	Analysis of an electrical conductivity formula for an amorphous-crystalline selenium mixture. Journal of Non-Crystalline Solids, 1987, 89, 107-109.	1.5	3
39	A study of thermal analysis of amorphous solid and supercooled liquid selenium-thallium. Journal of Non-Crystalline Solids, 1987, 97-98, 1259-1262.	1.5	3
40	Investigation of the Meyer-Neldel compensation rule in binary selenium-based amorphous semiconductors. Journal of Non-Crystalline Solids, 2012, 358, 3342-3347.	1.5	3
41	Vickers microhardness of semiconductor $CuInSe_2$ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1994, 27, 1-5.	1.7	2
42	Laser thermal response of a finite slab as a function of the laser pulse parameters. Optics and Laser Technology, 2007, 39, 424-429.	2.2	2