

Mohamed F Kotkata

List of Publications by Year in descending order

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394286

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42
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docs citations

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times ranked

809
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on microstructural and optical properties of nano-crystalline CdSe thin films. Thin Solid Films, 2017, 631, 219-226.	0.8	12
2	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
3	Thermo-physical properties of nanostructured lightweight fiber reinforced cementitious composites. Construction and Building Materials, 2016, 102, 167-174.	3.2	37
4	Opto-electronic characterizations of oriented nano-structure CdSe film/Si (001) heterostructure. Superlattices and Microstructures, 2014, 69, 149-163.	1.4	11
5	Model-free transformation kinetics for ZnS quantum dots synthesized via colloidal reaction. Physica B: Condensed Matter, 2014, 433, 127-132.	1.3	8
6	Gold Schottky contacts on (002) CdSe films growing on p-type silicon wafer. Superlattices and Microstructures, 2013, 55, 131-143.	1.4	5
7	Flexural strength and physical properties of fiber reinforced nano metakaolin cementitious surface compound. Construction and Building Materials, 2013, 43, 453-460.	3.2	44
8	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
9	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
10	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
11	Structural characterization of chemically synthesized CdSe nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 640-645.	1.3	39
12	Synthesis and structural characterization of CdS nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1457-1465.	1.3	74
13	Effect of In-content on the optical properties of a-Se films. Applied Surface Science, 2009, 255, 9071-9077.	3.1	13
14	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
15	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
16	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
17	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
18	Preparation and characterization of co-evaporated a-GaAs films. Journal of Non-Crystalline Solids, 1996, 205-207, 176-179.	1.5	7

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19	Electrical and optical studies on amorphous CuInSe ₂ films. Journal of Non-Crystalline Solids, 1996, 205-207, 180-183.	1.5	9
20	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
21	Effect of temperature on physical and mechanical properties of concrete containing silica fume. Cement and Concrete Research, 1996, 26, 669-675.	4.6	142
22	Electrical conductivity of concrete containing silica fume. Cement and Concrete Research, 1995, 25, 1615-1620.	4.6	87
23	Vickers microhardness of semiconductor CuInSe ₂ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1994, 27, 1-5.	1.7	2
24	Memory switching in amorphous Ge _{1-x} Se _{1-x} Tl chalcogenide semiconductor films. Thin Solid Films, 1994, 240, 143-146.	0.8	24
25	Studies of short-range order in amorphous Ge _x Se _{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
26	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
27	optical studies of disorder and defects in amorphous Ge _x Se _{1-x} films as a function of composition. Journal of Non-Crystalline Solids, 1993, 164-166, 1259-1262.	1.5	18
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	Analysis of an electrical conductivity formula for an amorphous-crystalline selenium mixture. Journal of Non-Crystalline Solids, 1987, 89, 107-109.	1.5	3
30	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
31	A study of the electrical conductivity of amorphous-crystalline selenium mixtures. Materials Science and Engineering, 1987, 95, 287-293.	0.1	20
32	The effect of Tl addition on the electrical and thermal transport properties of amorphous As ₂ Se ₃ . Semiconductor Science and Technology, 1986, 1, 313-319.	1.0	30
33	Amorphous-to-crystalline transitions in the system S _x Te _x Se _{100-2x} with x between 5 and 25. Materials Science and Engineering, 1985, 72, 163-170.	0.1	24
34	Structural based interpretation for the electrical conduction in Ag _{1-x} As ₂ S ₃ glasses. Journal of Non-Crystalline Solids, 1985, 77-78, 1229-1232.	1.5	11
35	Effect of radiation on some glasses in the system As ₄ Se _x Te _{6-x} . Radiation Physics and Chemistry (1977), 1984, 23, 553-560.	0.4	3
36	Effect of composition on the electrical and structural characterization of S _x Te _x Se _{100-2x} amorphous alloys. Materials Science and Engineering, 1984, 67, 39-45.	0.1	11

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37	A survey of amorphous Se ^x Te semiconductors and their characteristic aspects of crystallization. Acta Physica Hungarica, 1983, 54, 303.	0.1	44
38	Transport studies of Si ^x -Se amorphous semiconductors. Materials Science and Engineering, 1983, 60, 163-171.	0.1	25
39	Crystallization kinetics of amorphous Se ₆₀ S ₂₀ Te ₂₀ . Journal of Non-Crystalline Solids, 1983, 59-60, 891-894.	1.5	6
40	Non-isothermal crystallization kinetic studies on amorphous chalcogenide semiconductors. Materials Science and Engineering, 1982, 54, 163-168.	0.1	30
41	Photo-effect on crystallization kinetics of amorphous selenium doped with sulphur. Journal of Non-Crystalline Solids, 1979, 33, 13-22.	1.5	29
42	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