

Sodky Hamed Mohamed

List of Publications by Year in descending order

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331259

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all docs

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docs citations

72
times ranked

1355
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, optical and electrical properties of Bi _{2-x} MnxTe ₃ thin films. Journal of Materials Science: Materials in Electronics, 2022, 33, 158.	1.1	2
2	Converting Sewage Water into H ₂ Fuel Gas Using Cu/CuO Nanoporous Photocatalytic Electrodes. Materials, 2022, 15, 1489.	1.3	26
3	Optical constants, photoluminescence and thermogravimetry of ZnS/ZnO hybrid nanowires synthesized via vapor transport. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	6
4	Synthesis and characterization of undoped and copper-doped zinc oxide nanowires for optoelectronic and solar cells applications. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	14
5	Poly(ε-caprolactone)/rolled graphene oxide nanocomposite photocathode for hydrogen generation from wastewater. International Journal of Energy Research, 2022, 46, 11943-11956.	2.2	23
6	Bunch of Grape-Like Shape PANI/Ag ₂ O/Ag Nanocomposite Photocatalyst for Hydrogen Generation from Wastewater. Adsorption Science and Technology, 2022, 2022, .	1.5	10
7	Effect of surfactant concentration on the morphology and thermoelectric power factor of PbTe nanostructures prepared by a hydrothermal route. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 125, 114396.	1.3	6
8	Change in properties upon thermal treatment of copper sulphide powder and thin films. Bulletin of Materials Science, 2021, 44, .	0.8	7
9	ZnO thin films prepared by RF plasma chemical vapour transport for self-cleaning and transparent conducting coatings. Bulletin of Materials Science, 2021, 44, 1.	0.8	6
10	Electrical resistivity and magnetic susceptibility of substoichiometric CdO and In doped CdO films. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	18
11	Plasmonic performance, electrical and optical properties of titanium nitride nanostructured thin films for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 28204.	1.1	3
12	Ellipsometric evaluation and morphology of mixed zinc sulfide/zinc oxide and zinc oxide nanostructures synthesized at various temperatures. Canadian Journal of Physics, 2020, 98, 689-694.	0.4	2
13	Influence of rf power on growth, structural and optical properties of ZnO synthesized via vapor transport in inductively coupled plasma. Materials Science in Semiconductor Processing, 2020, 120, 105284.	1.9	20
14	Tailoring the thermoelectric properties of Pb _{1-x} Sm _x Te nanostructures via Sm doping. Intermetallics, 2020, 125, 106923.	1.8	4
15	Properties of SnO ₂ and SnO _{2-x} N _x grown on the boat walls using vapor transport method. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	4
16	Study of the effects of both film thickness and annealing time on Cu _x SyO _z thin films for the possibility of usage as solar control coatings. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	9
17	Tuning the optical, electrical resistivity and structural properties of DC magnetron sputtered aluminum zinc oxide films by changing the oxygen flow rate. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	1
18	One-Dimensional Metallo-Superconductor Photonic Crystals as a Smart Window. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2313-2318.	0.8	19

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19	Effects of Thickness and Ag Layer Addition on the Properties of ZnS Thin Films. Acta Physica Polonica A, 2019, 135, 420-425.	0.2	8
20	Effect of the carrier gas on morphological, optical and electrical properties of SnO ₂ nanostructures prepared by vapor transport. Journal of Materials Science: Materials in Electronics, 2018, 29, 4155-4162.	1.1	12
21	Photonic crystal defective superconductor and black body radiations. Optical and Quantum Electronics, 2018, 50, 1.	1.5	15
22	Characterization of Cu ₂ O/CuO nanowire arrays synthesized by thermal method at various temperatures. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	15
23	Controlled synthesis, morphological, optical and electrical properties of copper-doped zinc oxysulfide nanostructures. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	17
24	Effect of oxidation time on structural, optical and electrical properties of mixed copper oxides nanocrystallites. Optik, 2018, 173, 101-109.	1.4	11
25	Synthesis, optical, structural, and electrical properties of single-crystalline CdS nanobelts. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	6
26	Morphologies and optical properties of mixed tin oxysulfide produced by evaporation condensation of SnS. Materials Science in Semiconductor Processing, 2017, 72, 72-77.	1.9	7
27	Tunable properties of one-dimensional photonic crystals that incorporate a defect layer of a magnetized plasma. International Journal of Modern Physics B, 2017, 31, 1750239.	1.0	36
28	Effects of V doping on magnetic and optical properties of oxygen-deficient In ₂ O ₃ thin films. Optik, 2017, 145, 377-386.	1.4	8
29	The effect of Cu on the properties of CdO/Cu/CdO multilayer films for transparent conductive electrode applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	23
30	Optical and electrical properties of hydrothermally prepared CdTe nanowires. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	4
31	Effect of annealing on properties of decorative zirconium oxynitride thin films. EPJ Applied Physics, 2015, 69, 30301.	0.3	5
32	WO ₃ nanowires for optoelectronic and gas sensing applications. Applied Physics A: Materials Science and Processing, 2015, 119, 1261-1267.	1.1	26
33	Morphological and magnetic properties of the hydrothermally prepared γ -Fe ₂ O ₃ nanorods. Materials Chemistry and Physics, 2014, 147, 1037-1041.	2.0	14
34	Synthesis, photoluminescence and optical constants evaluations of ultralong CdO nanowires prepared by vapor transport method. Journal of Alloys and Compounds, 2014, 609, 68-72.	2.8	32
35	Growth of undoped and Fe doped TiO ₂ nanostructures and their optical and photocatalytic properties. Applied Physics A: Materials Science and Processing, 2013, 111, 1207-1212.	1.1	30
36	Evaluation of optical constants of Tl ₄ PbTe ₃ thin films with different thicknesses. Indian Journal of Physics, 2013, 87, 741-746.	0.9	6

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37	Preparation and characterization of mixed iron-titanium oxide nanostructure. Indian Journal of Physics, 2013, 87, 223-228.	0.9	7
38	Transparent conductive gallium-doped indium oxide nanowires for optoelectronic applications. Journal of the Korean Physical Society, 2013, 62, 902-905.	0.3	10
39	Towards understanding the nanomaterials characteristics of vapor transported CdS in an open end tube. Materials Chemistry and Physics, 2013, 143, 178-183.	2.0	12
40	Effect of composition on transport properties of $\text{Ge}_{10}\text{As}_x\text{Te}_{90-x}$ chalcogenide system. Indian Journal of Physics, 2013, 87, 317-323.	0.9	3
41	Synthesis and Ellipsometric Investigations of Copper Doped Zinc Oxide, and Copper Oxide/Zinc Oxide Nanowires. Journal of Advanced Microscopy Research, 2013, 8, 179-185.	0.3	6
42	Microstructural and optical investigations of Ce-doped barium titanate thin films by FTIR and spectroscopic ellipsometry. Philosophical Magazine, 2012, 92, 1212-1222.	0.7	18
43	SnO_2 dendrites nanowires for optoelectronic and gas sensing applications. Journal of Alloys and Compounds, 2012, 510, 119-124.	2.8	90
44	Physical properties of thermally evaporated silicon films nitrided at different rf plasma-processing time. Journal of Materials Science, 2012, 47, 2875-2881.	1.7	1
45	Thermal stability and crystallization kinetics of Pb and Bi borate-based glasses. Journal of Thermal Analysis and Calorimetry, 2012, 107, 617-624.	2.0	13
46	Synthesis, structural and ellipsometric evaluation of oxygen-deficient and nearly stoichiometric zinc oxide and indium oxide nanowires/nanoparticles. Philosophical Magazine, 2011, 91, 3598-3612.	0.7	36
47	Structural, optical, and photoluminescence characterization of electron beam evaporated ZnS/CdSe nanoparticles thin films. Journal of Applied Physics, 2011, 109, 013108.	1.1	8
48	Microstructural, optical and photocatalytic properties of CdS doped TiO_2 thin films. Physica B: Condensed Matter, 2011, 406, 4327-4331.	1.3	24
49	Effects of thickness and rf plasma oxidizing on structural and optical properties of SiO_xNy thin films. Surface and Coatings Technology, 2010, 205, 525-532.	2.2	13
50	Investigation of the refractive index and dispersion parameters of tungsten oxynitride thin films. Materials Chemistry and Physics, 2010, 121, 249-253.	2.0	14
51	Photocatalytic, optical and electrical properties of copper-doped zinc sulfide thin films. Journal Physics D: Applied Physics, 2010, 43, 035406.	1.3	89
52	Thickness and annealing effects on the optoelectronic properties of ZnS films. Journal Physics D: Applied Physics, 2010, 43, 075401.	1.3	35
53	Density of states effective mass of SnBi_4Se_7 deduced from the temperature dependence of electrical conductivity in the activation regime. Journal of Materials Science, 2009, 44, 3043-3048.	1.7	3
54	Thermal stability of tungsten nitride films deposited by reactive magnetron sputtering. Surface and Coatings Technology, 2008, 202, 2169-2175.	2.2	24

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55	Ellipsometrically determination of the optical constants of ZnO in ZnO/Ag/ZnO multilayer system. EPJ Applied Physics, 2008, 44, 137-141.	0.3	5
56	Effect of surface reactions of low-energy carbon ions on the secondary electron emission of TiN:O thin films. Journal of Applied Physics, 2007, 101, 113306.	1.1	11
57	Investigation of zirconium oxynitride thin films deposited by reactive pulsed magnetron sputtering. Journal Physics D: Applied Physics, 2007, 40, 7057-7062.	1.3	37
58	Physical properties of erbium implanted tungsten oxide films deposited by reactive dual magnetron sputtering. Thin Solid Films, 2007, 515, 5264-5269.	0.8	14
59	Structural and optical evaluation of WOxNy films deposited by reactive magnetron sputtering. Journal of Physics and Chemistry of Solids, 2007, 68, 2227-2232.	1.9	8
60	Transparent conducting ZnO-CdO thin films deposited by e-beam evaporation technique. EPJ Applied Physics, 2006, 34, 7-12.	0.3	19
61	Structural and optical properties of Ge-As-Te thin films. EPJ Applied Physics, 2006, 34, 165-171.	0.3	9
62	Effect of rf plasma nitriding time on electrical and optical properties of ZnO thin films. Journal of Physics and Chemistry of Solids, 2006, 67, 2351-2357.	1.9	32
63	Structural and electro-optical characteristics of Ga-doped ZnO films prepared by thermal oxidation of metallic Zn _{100-x} Ga _x films. Physica Status Solidi A, 2005, 202, 1948-1958.	1.7	8
64	Enhancement of the optical and electrical properties of ITO thin films deposited by electron beam evaporation technique. EPJ Applied Physics, 2005, 31, 87-93.	0.3	58
65	Effect of annealing and In content on the properties of electron beam evaporated ZnO films. EPJ Applied Physics, 2005, 31, 95-99.	0.3	16
66	DEVELOPMENT OF HIGHLY REACTIVE PHOTO-CATALYTIC TiO_2 FILMS. , 2004, , .		0
67	Structure formation upon reactive direct current magnetron sputtering of transition metal oxide films. Applied Physics Letters, 2004, 85, 748-750.	1.5	65
68	Influence of nitrogen content on properties of direct current sputtered TiOxNy films. Physica Status Solidi A, 2004, 201, 90-102.	1.7	81
69	Properties of TiOx coatings prepared by dc magnetron sputtering. Physica Status Solidi A, 2003, 198, 224-237.	1.7	39
70	Correlation between structure, stress and optical properties in direct current sputtered molybdenum oxide films. Thin Solid Films, 2003, 429, 135-143.	0.8	88
71	Modifying the growth of organic thin films by a self-assembled monolayer. Journal of Applied Physics, 2003, 93, 4852-4855.	1.1	23