

Sodky Hamed Mohamed

List of Publications by Year in descending order

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71
papers

1,374
citations

331259

21
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377514

34
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72
all docs

72
docs citations

72
times ranked

1355
citing authors

#	ARTICLE	IF	CITATIONS
1	SnO ₂ dendrites/nanowires for optoelectronic and gas sensing applications. Journal of Alloys and Compounds, 2012, 510, 119-124.	2.8	90
2	Photocatalytic, optical and electrical properties of copper-doped zinc sulfide thin films. Journal Physics D: Applied Physics, 2010, 43, 035406.	1.3	89
3	Correlation between structure, stress and optical properties in direct current sputtered molybdenum oxide films. Thin Solid Films, 2003, 429, 135-143.	0.8	88
4	Influence of nitrogen content on properties of direct current sputtered TiO _x N _y films. Physica Status Solidi A, 2004, 201, 90-102.	1.7	81
5	Structure formation upon reactive direct current magnetron sputtering of transition metal oxide films. Applied Physics Letters, 2004, 85, 748-750.	1.5	65
6	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
7	Properties of TiO _x coatings prepared by dc magnetron sputtering. Physica Status Solidi A, 2003, 198, 224-237.	1.7	39
8	Investigation of zirconium oxynitride thin films deposited by reactive pulsed magnetron sputtering. Journal Physics D: Applied Physics, 2007, 40, 7057-7062.	1.3	37
9	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
10	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
11	Thickness and annealing effects on the optoelectronic properties of ZnS films. Journal Physics D: Applied Physics, 2010, 43, 075401.	1.3	35
12	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
13	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
14	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
15	WO ₃ nanowires for optoelectronic and gas sensing applications. Applied Physics A: Materials Science and Processing, 2015, 119, 1261-1267.	1.1	26
16	Converting Sewage Water into H ₂ Fuel Gas Using Cu/CuO Nanoporous Photocatalytic Electrodes. Materials, 2022, 15, 1489.	1.3	26
17	Thermal stability of tungsten nitride films deposited by reactive magnetron sputtering. Surface and Coatings Technology, 2008, 202, 2169-2175.	2.2	24
18	Microstructural, optical and photocatalytic properties of CdS doped TiO ₂ thin films. Physica B: Condensed Matter, 2011, 406, 4327-4331.	1.3	24

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19	Modifying the growth of organic thin films by a self-assembled monolayer. Journal of Applied Physics, 2003, 93, 4852-4855.	1.1	23
20	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
21	Poly(ϵ -toluidine)/rolled graphene oxide nanocomposite photocathode for hydrogen generation from wastewater. International Journal of Energy Research, 2022, 46, 11943-11956.	2.2	23
22	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
23	Transparent conducting ZnO-CdO thin films deposited by e-beam evaporation technique. EPJ Applied Physics, 2006, 34, 7-12.	0.3	19
24	One-Dimensional Metallo-Superconductor Photonic Crystals as a Smart Window. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2313-2318.	0.8	19
25	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
26	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
27	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
28	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
29	Photonic crystal defective superconductor and black body radiations. Optical and Quantum Electronics, 2018, 50, 1.	1.5	15
30	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
31	Physical properties of erbium implanted tungsten oxide films deposited by reactive dual magnetron sputtering. Thin Solid Films, 2007, 515, 5264-5269.	0.8	14
32	Investigation of the refractive index and dispersion parameters of tungsten oxynitride thin films. Materials Chemistry and Physics, 2010, 121, 249-253.	2.0	14
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 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
35	Effects of thickness and rf plasma oxidizing on structural and optical properties of SiO _x N _y thin films. Surface and Coatings Technology, 2010, 205, 525-532.	2.2	13
36	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

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37	Towards understanding the nanomaterials characteristics of vapor transported CdS in an open end tube. <i>Materials Chemistry and Physics</i> , 2013, 143, 178-183.	2.0	12
38	Effect of the carrier gas on morphological, optical and electrical properties of SnO ₂ nanostructures prepared by vapor transport. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4155-4162.	1.1	12
39	Effect of surface reactions of low-energy carbon ions on the secondary electron emission of TiN:O thin films. <i>Journal of Applied Physics</i> , 2007, 101, 113306.	1.1	11
40	Effect of oxidation time on structural, optical and electrical properties of mixed copper oxides nanocrystallites. <i>Optik</i> , 2018, 173, 101-109.	1.4	11
41	Transparent conductive gallium-doped indium oxide nanowires for optoelectronic applications. <i>Journal of the Korean Physical Society</i> , 2013, 62, 902-905.	0.3	10
42	Bunch of Grape-Like Shape PANI/Ag ₂ O/Ag Nanocomposite Photocatalyst for Hydrogen Generation from Wastewater. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	10
43	Structural and optical properties of Ge-As-Te thin films. <i>EPJ Applied Physics</i> , 2006, 34, 165-171.	0.3	9
44	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. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	9
45	Structural and electro-optical characteristics of Ga-doped ZnO films prepared by thermal oxidation of metallic Zn _{100-x} Ga _x films. <i>Physica Status Solidi A</i> , 2005, 202, 1948-1958.	1.7	8
46	Structural and optical evaluation of WO _x Ny films deposited by reactive magnetron sputtering. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 2227-2232.	1.9	8
47	Structural, optical, and photoluminescence characterization of electron beam evaporated ZnS/CdSe nanoparticles thin films. <i>Journal of Applied Physics</i> , 2011, 109, 013108.	1.1	8
48	Effects of V doping on magnetic and optical properties of oxygen-deficient In ₂ O ₃ thin films. <i>Optik</i> , 2017, 145, 377-386.	1.4	8
49	Effects of Thickness and Ag Layer Addition on the Properties of ZnS Thin Films. <i>Acta Physica Polonica A</i> , 2019, 135, 420-425.	0.2	8
50	Preparation and characterization of mixed iron-titanium oxide nanostructure. <i>Indian Journal of Physics</i> , 2013, 87, 223-228.	0.9	7
51	Morphologies and optical properties of mixed tin oxysulfide produced by evaporation condensation of SnS. <i>Materials Science in Semiconductor Processing</i> , 2017, 72, 72-77.	1.9	7
52	Change in properties upon thermal treatment of copper sulphide powder and thin films. <i>Bulletin of Materials Science</i> , 2021, 44, .	0.8	7
53	Evaluation of optical constants of Tl ₄ PbTe ₃ thin films with different thicknesses. <i>Indian Journal of Physics</i> , 2013, 87, 741-746.	0.9	6
54	Synthesis, optical, structural, and electrical properties of single-crystalline CdS nanobelts. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	6

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55	Effect of surfactant concentration on the morphology and thermoelectric power factor of PbTe nanostructures prepared by a hydrothermal route. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 125, 114396.	1.3	6
56	ZnO thin films prepared by RF plasma chemical vapour transport for self-cleaning and transparent conducting coatings. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	6
57	Synthesis and Ellipsometric Investigations of Copper Doped Zinc Oxide, and Copper Oxide/Zinc Oxide Nanowires. <i>Journal of Advanced Microscopy Research</i> , 2013, 8, 179-185.	0.3	6
58	Optical constants, photoluminescence and thermogravimetry of ZnS/ZnO hybrid nanowires synthesized via vapor transport. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	6
59	Ellipsometric determination of the optical constants of ZnO in ZnO/Ag/ZnO multilayer system. <i>EPJ Applied Physics</i> , 2008, 44, 137-141.	0.3	5
60	Effect of annealing on properties of decorative zirconium oxynitride thin films. <i>EPJ Applied Physics</i> , 2015, 69, 30301.	0.3	5
61	Optical and electrical properties of hydrothermally prepared CdTe nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	4
62	Tailoring the thermoelectric properties of Pb _{1-x} Sm _x Te nanostructures via Sm doping. <i>Intermetallics</i> , 2020, 125, 106923.	1.8	4
63	Properties of SnO ₂ and SnO ₂ ^x N _x grown on the boat walls using vapor transport method. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	4
64	Density of states effective mass of SnBi ₄ Se ₇ deduced from the temperature dependence of electrical conductivity in the activation regime. <i>Journal of Materials Science</i> , 2009, 44, 3043-3048.	1.7	3
65	Effect of composition on transport properties of Ge ₁₀ As _x Te _{90-x} chalcogenide system. <i>Indian Journal of Physics</i> , 2013, 87, 317-323.	0.9	3
66	Plasmonic performance, electrical and optical properties of titanium nitride nanostructured thin films for optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 28204.	1.1	3
67	Ellipsometric evaluation and morphology of mixed zinc sulfide/zinc oxide and zinc oxide nanostructures synthesized at various temperatures. <i>Canadian Journal of Physics</i> , 2020, 98, 689-694.	0.4	2
68	Structural, optical and electrical properties of Bi _{2-x} Mn _x Te ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 158.	1.1	2
69	Physical properties of thermally evaporated silicon films nitrated at different rf plasma-processing time. <i>Journal of Materials Science</i> , 2012, 47, 2875-2881.	1.7	1
70	Tuning the optical, electrical resistivity and structural properties of DC magnetron sputtered aluminum zinc oxide films by changing the oxygen flow rate. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	1
71	DEVELOPMENT OF HIGHLY REACTIVE PHOTO-CATALYTIC TiO ₂ FILMS. , 2004, , .		0