Dattatray J Sathe

List of Publications by Year
in descending order

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52	922	516681	501174
papers	citations	16 h-index	28 g-index

52	52	52	1066
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanostructured TiO₂ Sensitized with MoS₂ Nanoflowers for Enhanced Photodegradation Efficiency toward Methyl Orange. ACS Omega, 2021, 6, 17071-17085.	3.5	106
2	Effect of thermal annealing on properties of zinc selenide thin films deposited by chemical bath deposition. Journal of Materials Science: Materials in Electronics, 2009, 20, 374-379.	2.2	93
3	MoS2: Preparation and their characterization. Journal of Alloys and Compounds, 2009, 487, 786-789.	5.5	73
4	WS2 thin films: Opto-electronic characterization. Journal of Alloys and Compounds, 2009, 479, 657-660.	5.5	45
5	Chemical deposition of ZnSe thin films: Photoelectrochemical applications. Journal of Alloys and Compounds, 2008, 461, 623-627.	5.5	36
6	Highly efficient photodegradation of 4-nitrophenol over the nano-TiO2 obtained from chemical bath deposition technique. Research on Chemical Intermediates, 2020, 46, 1255-1282.	2.7	34
7	Studies on electrodeposited Cd1â^'xFexS thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 122, 206-210.	3.5	33
8	Characterization of MoSe2 thin film deposited at room temperature from solution phase. Journal of Crystal Growth, 2008, 311, 15-19.	1.5	33
9	Nanostructured TiO₂ thin films by chemical bath deposition method for high photoelectrochemical performance. Materials Research Express, 2019, 6, 026411.	1.6	31
10	CdS thin film: Synthesis and characterization. Solid State Sciences, 2009, 11, 1226-1228.	3.2	29
11	Characterization of cadmium selenide films for photovoltaic applications. Journal of Alloys and Compounds, 2010, 505, 140-143.	5.5	25
12	Novel chemical synthetic route and characterization of tungsten diselenide thin films. Materials Chemistry and Physics, 2009, 113, 183-186.	4.0	23
13	Synthesis, optoelectronic properties and photoelectrochemical performance of CdS thin films. Physica B: Condensed Matter, 2013, 411, 118-121.	2.7	21
14	X-ray and optical properties of chemically deposited nanocrystalline CdSe thin films. Journal of Alloys and Compounds, 2010, 503, 220-223.	5.5	20
15	Development and molecular modeling of Co(II), Ni(II) and Cu(II) complexes as high acting anti breast cancer agents. Arabian Journal of Chemistry, 2017, 10, 262-272.	4.9	20
16	Electrical, optical and morphological properties of chemically deposited nanostructured tungsten disulfide thin films. Applied Nanoscience (Switzerland), 2013, 3, 19-23.	3.1	17
17	Synthesis and characterization of cubic cadmium selenide by chemical route. Journal of Alloys and Compounds, 2013, 552, 40-43.	5.5	17
18	Structure, surface morphological and opto-electronic properties of zinc sulphide thin films deposited by dip method. Applied Surface Science, 2009, 256, 81-84.	6.1	14

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19	Effect of air annealing on structural, optical, microscopic, electrical properties of cadmium selenide thin films. Journal of Materials Science: Materials in Electronics, 2009, 20, 776-781.	2.2	13
20	Electrical and crystallographic properties of nanocrystalline CdSe0.5S0.5 composite thin films deposited by dip method. Journal of Materials Science: Materials in Electronics, 2011, 22, 111-115.	2.2	12
21	Photoelectrochemical studies of CdSe thin films deposited by dip method. Journal of Alloys and Compounds, 2009, 474, 347-350.	5.5	11
22	Zinc sulphide semiconductor electrode synthesis and the photoelectrochemical application. Journal of Alloys and Compounds, 2009, 487, 367-369.	5.5	11
23	Structural, optical and microscopic studies of tungsten substituted molybdenum diselenide thin films. Journal of Alloys and Compounds, 2010, 499, 187-193.	5.5	11
24	Effect of annealing on properties of ZrSe2 thin films. Journal of Crystal Growth, 2006, 294, 254-259.	1.5	10
25	Comparative study of zinc selenide photoelectrode annealed at different temperatures. Solid State Sciences, 2008, 10, 1970-1975.	3.2	10
26	Structural, optical and microscopic properties of chemically deposited Mo0.5W0.5Se2 thin films. Journal of Materials Science: Materials in Electronics, 2010, 21, 698-701.	2.2	10
27	n-Type polycrystalline (CdZn)Se photoelectrode synthesis and its photoelectrochemical characterizations. Journal of Alloys and Compounds, 2010, 506, 673-677.	5.5	10
28	Growth and characteristics of Znâ€“Seâ€“S thin layers by dip method. Journal of Alloys and Compounds, 2011, 509, 9425-9427.	5.5	10
29	Nanocrystalline CdSe: Structural and photoelectrochemical characterization. Electronic Materials Letters, 2012, 8, 553-558.	2.2	10
30	A novel route for synthesis, characterization of molybdenum diselenide thin films and their photovoltaic applications. Journal of Materials Science: Materials in Electronics, 2013, 24, 438-442.	2.2	10
31	Structural, electrical and thermoelectrical analysis of nickel sulphide thin films. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	10
32	Newly synthesized triazole-based Schiff base ligands and their Co(II) complexes as antimicrobial and anticancer agents: Chemical synthesis, structure and biological investigations. Results in Chemistry, 2021, 3, 100162.	2.0	10
33	Effect of indium doping on (CdZn)Se composite thin films. Journal of Alloys and Compounds, 2010, 505, 259-263.	5.5	9
34	Cation distribution and magnetic study of Cr-substituted lithium ferrites. Journal of Materials Science: Materials in Electronics, 2016, 27, 1574-1581.	2.2	9
35	Effect of annealing temperature on properties of molybdenum disulfide thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 16148-16154.	2.2	9
36	Hexagonal nanosized molybdenum diselenide thin film deposited at 333ÂK by chemical method. Solid State Sciences, 2015, 48, 19-22.	3.2	8

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37	Properties of chemically-deposited nanocrystalline MoS2 thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 3834-3838.	2.2	8
38	Studies on hexagonal cadmium selenide thin film deposited by chemical route using ascorbic acid. Journal of Materials Science: Materials in Electronics, 2014, 25, 811-816.	2.2	7
39	Effect of indium doping on photoelectrochemical properties of Cd0.9Zn0.1Se photosensitive films. Physica B: Condensed Matter, 2009, 404, 2389-2394.	2.7	6
40	Synthesis, Spectral, Antibacterial, Antifungal and Anticancer activity Studies of Schiff bases Derived from O-Vanillin and Aminoquinolines. Asian Journal of Research in Chemistry, 2017, 10, 660.	1.0	6
41	A novel route of synthesis of WS2 thin film and its characterization. Journal of Crystal Growth, 2009, 311, 3386-3388.	1.5	5
42	Synthesis and characterization of chemically deposited nickel substituted CdSe thin film. Journal of Alloys and Compounds, 2011, 509, 2948-2951.	5.5	5
43	Structural, compositional, thermoelectrical and photoelectrochemical properties of CdSe thin films. Journal of Materials Science: Materials in Electronics, 2013, 24, 2000-2004.	2.2	5
44	Î²-In2S3: Structural, optical, electrical and photoelectrochemical properties. Optik, 2015, 126, 5715-5717.	2.9	5
45	Structural, opto-electronic and photoelectrochemical properties of tungsten diselenide thin films. Applied Nanoscience (Switzerland), 2016, 6, 191-196.	3.1	5
46	Effect of temperature on various properties of photoelectrochemical cell. Journal of Alloys and Compounds, 2010, 490, 350-352.	5.5	4
47	Chemical deposition of CuInSe2 thin films by photoelectrochemical applications. Journal of Alloys and Compounds, 2012, 511, 50-53.	5.5	4
48	Chemical deposition of (311) textured CdIn2S4 thin films. Journal of Materials Science: Materials in Electronics, 2014, 25, 2292-2296.	2.2	4
49	A novel method for the deposition of polycrystalline Sb2S3 thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 12599-12603.	2.2	3
50	Photoelectrochemical characterization of annealed cadmium selenide photoelectrode using sulphideâ€“polysulphide electrolyte. Journal of Physics and Chemistry of Solids, 2009, 70, 655-658.	4.0	2
51	Nanostructural, magnetic and electronic transport properties of Cu-Zn mixed ferrimagnetite. Chemical Physics Letters, 2020, 739, 137032.	2.6	0
52	Structural and dc electrical transport study of Cu-Zn ferrialuminates prepared by chemical route. IOP Conference Series: Materials Science and Engineering, 2021, 1166, 012011.	0.6	0