Dattatray J Sathe

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/808468/publications.pdf

Version: 2024-02-01

52	922	516561	501076
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.	1.6	106
2	Structural and dc electrical transport study of Cu-Zn ferrialuminates prepared by chemical route. IOP Conference Series: Materials Science and Engineering, 2021, 1166, 012011.	0.3	0
3	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.	0.9	10
4	Highly efficient photodegradation of 4-nitrophenol over the nano-TiO2 obtained from chemical bath deposition technique. Research on Chemical Intermediates, 2020, 46, 1255-1282.	1.3	34
5	Nanostructural, magnetic and electronic transport properties of Cu-Zn mixed ferrimagnetite. Chemical Physics Letters, 2020, 739, 137032.	1.2	0
6	Nanostructured TiO₂ thin films by chemical bath deposition method for high photoelectrochemical performance. Materials Research Express, 2019, 6, 026411.	0.8	31
7	Effect of annealing temperature on properties of molybdenum disulfide thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 16148-16154.	1.1	9
8	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.	2.3	20
9	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.	0.2	6
10	Structural, electrical and thermoelectrical analysis of nickel sulphide thin films. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	10
11	A novel method for the deposition of polycrystalline Sb2S3 thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 12599-12603.	1.1	3
12	Cation distribution and magnetic study of Cr-substituted lithium ferrites. Journal of Materials Science: Materials in Electronics, 2016, 27, 1574-1581.	1.1	9
13	Properties of chemically-deposited nanocrystalline MoS2 thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 3834-3838.	1.1	8
14	Structural, opto-electronic and photoelectrochemical properties of tungsten diselenide thin films. Applied Nanoscience (Switzerland), 2016, 6, 191-196.	1.6	5
15	Hexagonal nanosized molybdenum diselenide thin film deposited at 333ÂK by chemical method. Solid State Sciences, 2015, 48, 19-22.	1.5	8
16	Î²-In2S3: Structural, optical, electrical and photoelectrochemical properties. Optik, 2015, 126, 5715-5717.	1.4	5
17	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.	1.1	7
18	Chemical deposition of (311) textured CdIn2S4 thin films. Journal of Materials Science: Materials in Electronics, 2014, 25, 2292-2296.	1.1	4

#	Article	IF	Citations
19	Synthesis, optoelectronic properties and photoelectrochemical performance of CdS thin films. Physica B: Condensed Matter, 2013, 411, 118-121.	1.3	21
20	Electrical, optical and morphological properties of chemically deposited nanostructured tungsten disulfide thin films. Applied Nanoscience (Switzerland), 2013, 3, 19-23.	1.6	17
21	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.	1.1	10
22	Structural, compositional, thermoelectrical and photoelectrochemical properties of CdSe thin films. Journal of Materials Science: Materials in Electronics, 2013, 24, 2000-2004.	1.1	5
23	Synthesis and characterization of cubic cadmium selenide by chemical route. Journal of Alloys and Compounds, 2013, 552, 40-43.	2.8	17
24	Nanocrystalline CdSe: Structural and photoelectrochemical characterization. Electronic Materials Letters, 2012, 8, 553-558.	1.0	10
25	Chemical deposition of CuInSe2 thin films by photoelectrochemical applications. Journal of Alloys and Compounds, 2012, 511, 50-53.	2.8	4
26	Synthesis and characterization of chemically deposited nickel substituted CdSe thin film. Journal of Alloys and Compounds, 2011, 509, 2948-2951.	2.8	5
27	Growth and characteristics of Znâ€“Seâ€“S thin layers by dip method. Journal of Alloys and Compounds, 2011, 509, 9425-9427.	2.8	10
28	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.	1.1	12
29	Structural, optical and microscopic properties of chemically deposited Mo0.5W0.5Se2 thin films. Journal of Materials Science: Materials in Electronics, 2010, 21, 698-701.	1.1	10
30	Effect of temperature on various properties of photoelectrochemical cell. Journal of Alloys and Compounds, 2010, 490, 350-352.	2.8	4
31	Structural, optical and microscopic studies of tungsten substituted molybdenum diselenide thin films. Journal of Alloys and Compounds, 2010, 499, 187-193.	2.8	11
32	X-ray and optical properties of chemically deposited nanocrystalline CdSe thin films. Journal of Alloys and Compounds, 2010, 503, 220-223.	2.8	20
33	Characterization of cadmium selenide films for photovoltaic applications. Journal of Alloys and Compounds, 2010, 505, 140-143.	2.8	25
34	Effect of indium doping on (CdZn)Se composite thin films. Journal of Alloys and Compounds, 2010, 505, 259-263.	2.8	9
35	n-Type polycrystalline (CdZn)Se photoelectrode synthesis and its photoelectrochemical characterizations. Journal of Alloys and Compounds, 2010, 506, 673-677.	2.8	10
36	CdS thin film: Synthesis and characterization. Solid State Sciences, 2009, 11, 1226-1228.	1.5	29

#	Article	IF	Citations
37	Novel chemical synthetic route and characterization of tungsten diselenide thin films. Materials Chemistry and Physics, 2009, 113, 183-186.	2.0	23
38	Photoelectrochemical characterization of annealed cadmium selenide photoelectrode using sulphideâ€“polysulphide electrolyte. Journal of Physics and Chemistry of Solids, 2009, 70, 655-658.	1.9	2
39	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.	1.1	93
40	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.	1.1	13
41	Effect of indium doping on photoelectrochemical properties of Cd0.9Zn0.1Se photosensitive films. Physica B: Condensed Matter, 2009, 404, 2389-2394.	1.3	6
42	A novel route of synthesis of WS2 thin film and its characterization. Journal of Crystal Growth, 2009, 311, 3386-3388.	0.7	5
43	Structure, surface morphological and opto-electronic properties of zinc sulphide thin films deposited by dip method. Applied Surface Science, 2009, 256, 81-84.	3.1	14
44	Photoelectrochemical studies of CdSe thin films deposited by dip method. Journal of Alloys and Compounds, 2009, 474, 347-350.	2.8	11
45	WS2 thin films: Opto-electronic characterization. Journal of Alloys and Compounds, 2009, 479, 657-660.	2.8	45
46	Zinc sulphide semiconductor electrode synthesis and the photoelectrochemical application. Journal of Alloys and Compounds, 2009, 487, 367-369.	2.8	11
47	MoS2: Preparation and their characterization. Journal of Alloys and Compounds, 2009, 487, 786-789.	2.8	73
48	Characterization of MoSe2 thin film deposited at room temperature from solution phase. Journal of Crystal Growth, 2008, 311, 15-19.	0.7	33
49	Comparative study of zinc selenide photoelectrode annealed at different temperatures. Solid State Sciences, 2008, 10, 1970-1975.	1.5	10
50	Chemical deposition of ZnSe thin films: Photoelectrochemical applications. Journal of Alloys and Compounds, 2008, 461, 623-627.	2.8	36
51	Effect of annealing on properties of ZrSe2 thin films. Journal of Crystal Growth, 2006, 294, 254-259.	0.7	10
52	Studies on electrodeposited Cd1â^'xFexS thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 122, 206-210.	1.7	33