

Ch Bhosale

List of Publications by Year in descending order

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58
papers

3,414
citations

109311

35
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144002

57
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docs citations

58
times ranked

3282
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible light assisted photoelectrocatalytic degradation of sugarcane factory wastewater by sprayed CZTS thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 111, 176-181.	4.0	46
2	Photoelectrocatalytic degradation of oxalic acid using WO ₃ and stratified WO ₃ /TiO ₂ photocatalysts under sunlight illumination. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 233-242.	8.2	88
3	Fabrication of ZnFe ₂ O ₄ films and its application in photoelectrocatalytic degradation of salicylic acid. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 118-123.	3.8	35
4	Photoelectrocatalytic degradation of benzoic acid using Au doped TiO ₂ thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 204-211.	3.8	55
5	Oxidative degradation of industrial wastewater using spray deposited TiO ₂ /Au:Fe ₂ O ₃ bilayered thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 141, 315-324.	3.8	18
6	Photodegradation of organic pollutants using N-titanium oxide catalyst. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 141, 186-191.	3.8	26
7	Remediation of wastewater: Role of hydroxyl radicals. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 141, 210-216.	3.8	10
8	Photoelectrocatalytic activity of ferric oxide nanocatalyst: A synergistic effect of thickness. <i>Ceramics International</i> , 2014, 40, 9463-9471.	4.8	14
9	UV assisted photoelectrocatalytic oxidation of phthalic acid using spray deposited Al doped zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2014, 611, 446-451.	5.5	42
10	Influence of tin doping onto structural, morphological, optoelectronic and impedance properties of sprayed ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2013, 551, 688-693.	5.5	79
11	Photoelectrochemical properties of highly mobilized Li-doped ZnO thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 1-9.	3.8	50
12	Studies of compositional dependent CZTS thin film solar cells by pulsed laser deposition technique: An attempt to improve the efficiency. <i>Journal of Alloys and Compounds</i> , 2012, 544, 145-151.	5.5	137
13	Photoelectrocatalytic decolorization and degradation of textile effluent using ZnO thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 114, 102-107.	3.8	59
14	Hydroxyl radical's role in the remediation of wastewater. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 116, 66-74.	3.8	31
15	Structural, optoelectronic, luminescence and thermal properties of Ga-doped zinc oxide thin films. <i>Applied Surface Science</i> , 2012, 258, 9969-9976.	6.1	110
16	Photoelectrocatalytic degradation of oxalic acid by spray deposited nanocrystalline zinc oxide thin films. <i>Journal of Alloys and Compounds</i> , 2012, 538, 237-243.	5.5	34
17	Photocatalytic degradation of toluene using sprayed N-doped ZnO thin films in aqueous suspension. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 113, 70-77.	3.8	102
18	Size dependent electron-phonon coupling in N, Li, In, Ga, F and Ag doped ZnO thin films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 453-456.	3.9	17

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19	Photo-corrosion inhibition and photoactivity enhancement with tailored zinc oxide thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 110, 15-21.	3.8	68
20	Sensing properties of sprayed antimony doped tin oxide thin films: Solution molarity. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3108-3115.	5.5	123
21	Studies on morphological and electrical properties of Al incorporated combusted iron oxide. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3943-3951.	5.5	17
22	Synthesis and characterization of Cu ₂ ZnSnS ₄ thin films grown by PLD: Solar cells. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7439-7446.	5.5	115
23	Zinc oxide mediated heterogeneous photocatalytic degradation of organic species under solar radiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 104, 425-433.	3.8	120
24	Photoelectrochemical performance of sprayed n-CdIn ₂ Se ₄ photoanodes. <i>Solar Energy</i> , 2011, 85, 325-333.	6.1	19
25	Development of CZTS thin films solar cells by pulsed laser deposition: Influence of pulse repetition rate. <i>Solar Energy</i> , 2011, 85, 1354-1363.	6.1	161
26	Electron-phonon interaction and size effect study in catalyst based zinc oxide thin films. <i>Journal of Molecular Structure</i> , 2010, 984, 186-193.	3.6	27
27	Structural and optoelectronic properties of antimony incorporated tin oxide thin films. <i>Journal of Alloys and Compounds</i> , 2010, 505, 416-422.	5.5	116
28	Effect of quantity of spraying solution on the properties of spray deposited fluorine doped tin oxide thin films. <i>Physica B: Condensed Matter</i> , 2009, 404, 1874-1877.	2.7	40
29	Effect of fluorine doping on highly transparent conductive spray deposited nanocrystalline tin oxide thin films. <i>Applied Surface Science</i> , 2009, 255, 9358-9364.	6.1	132
30	Electrical, structural and optical properties of SnO ₂ :F thin films: Effect of the substrate temperature. <i>Journal of Alloys and Compounds</i> , 2009, 488, 350-355.	5.5	113
31	Spray deposition of highly transparent fluorine doped cadmium oxide thin films. <i>Applied Surface Science</i> , 2008, 254, 2187-2195.	6.1	119
32	Solvent-dependent growth of sprayed FTO thin films with mat-like morphology. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 1439-1444.	6.2	56
33	Electrical and optical properties of Bi ₂ S ₃ thin films deposited by successive ionic layer adsorption and reaction (SILAR) method. <i>Materials Chemistry and Physics</i> , 2008, 110, 180-185.	4.0	50
34	Effect of concentration of SnCl ₄ on sprayed fluorine doped tin oxide thin films. <i>Journal of Alloys and Compounds</i> , 2008, 455, 440-446.	5.5	65
35	Effect of precursor concentration on the properties of ITO thin films. <i>Journal of Alloys and Compounds</i> , 2008, 464, 387-392.	5.5	57
36	Properties of highly oriented spray-deposited fluorine-doped tin oxide thin films on glass substrates of different thickness. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1981-1988.	4.0	49

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37	Effect of solvent ratio on the properties of highly oriented sprayed fluorine-doped tin oxide thin films. <i>Materials Letters</i> , 2007, 61, 3030-3036.	2.6	69
38	Structural, optical and electrical properties of chemically sprayed CdO thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 122, 67-71.	3.5	135
39	Structural and optical properties of spray-deposited CdIn ₂ Se ₄ thin films. <i>Materials Chemistry and Physics</i> , 2003, 78, 363-366.	4.0	31
40	Electrodeposition of As ₂ Se ₃ thin films. <i>Materials Research Bulletin</i> , 2003, 38, 847-855.	5.2	8
41	Preparation and characterization of spray deposited photoactive Sb ₂ S ₃ and Sb ₂ Se ₃ thin films using aqueous and non-aqueous media. <i>Materials Chemistry and Physics</i> , 2002, 73, 6-12.	4.0	66
42	Effect of concentration of complexing agent (EDTA) on the structural, electrical and optical properties of spray deposited arsenic trisulphide thin films. <i>Materials Research Bulletin</i> , 2001, 36, 1011-1016.	5.2	0
43	Preparation and characterization of electrodeposited Bi ₂ Se ₃ thin films from nonaqueous medium. <i>Materials Research Bulletin</i> , 2001, 36, 1915-1924.	5.2	20
44	Effect of composition on the structural, optical and electrical properties of sprayed Sb ₂ S ₃ thin films prepared from non-aqueous medium. <i>Journal of Physics and Chemistry of Solids</i> , 2000, 61, 561-568.	4.0	55
45	Effect of concentration of complexing agent on the spray deposited Bi ₂ S ₃ thin films. <i>Materials Chemistry and Physics</i> , 2000, 64, 5-9.	4.0	18
46	Effect of Sb doping on properties of conductive spray deposited SnO ₂ thin films. <i>Materials Chemistry and Physics</i> , 2000, 64, 184-188.	4.0	92
47	Preparation and characterization of electrodeposited Bi ₂ S ₃ thin films prepared from non-aqueous media. <i>Materials Chemistry and Physics</i> , 2000, 64, 166-169.	4.0	39
48	Effect of concentration of complexing agent (tartaric acid) on spray-deposited Bi ₂ S ₃ films. <i>Materials Research Bulletin</i> , 2000, 35, 1097-1106.	5.2	17
49	A comparative study of the properties of spray-deposited Sb ₂ Se ₃ thin films prepared from aqueous and nonaqueous media. <i>Materials Research Bulletin</i> , 1999, 34, 1079-1087.	5.2	58
50	Preparation and characterization of electrodeposited Sb ₂ Se ₃ thin films. <i>Materials Chemistry and Physics</i> , 1999, 61, 219-222.	4.0	40
51	Preparation and characterization of electrodeposited Bi ₂ Se ₃ thin films. <i>Materials Chemistry and Physics</i> , 1998, 55, 51-54.	4.0	55
52	Effect of complexing agent on the properties of spray-deposited Bi ₂ S ₃ thin films. <i>Materials Chemistry and Physics</i> , 1998, 56, 79-83.	4.0	11
53	Effect of relative amount of complexing agents on the properties of Sb ₂ S ₃ precipitated powders. <i>Materials Chemistry and Physics</i> , 1998, 56, 177-183.	4.0	8
54	Preparation and characterization of spray deposited Sb ₂ S ₃ thin films from non-aqueous medium. <i>Materials Chemistry and Physics</i> , 1997, 47, 104-107.	4.0	32

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55	Characterisation of chemically converted sprayed Bi ₂ O ₃ to Bi ₂ S ₃ thin films. Materials Chemistry and Physics, 1997, 49, 46-49.	4.0	23
56	A comparative study of concentration effect of complexing agent on the properties of spray deposited Sb ₂ S ₃ thin films and precipitated powders. Materials Chemistry and Physics, 1997, 51, 252-257.	4.0	19
57	Structural and optical properties of electrodeposited Bi ₂ S ₃ , Sb ₂ S ₃ and As ₂ S ₃ thin films. Thin Solid Films, 1995, 263, 145-149.	1.8	179
58	Preparation and properties of sprayed antimony trisulphide films. Thin Solid Films, 1994, 248, 137-139.	1.8	39