Rajendra B V

List of Publications by Year
in descending order

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32 papers	261 citations	1039406 9 h-index	996533 15 g-index
32 all docs	32 docs citations	32 times ranked	219 citing authors

#	Article	IF	Citations
1	Growth and characterization of semiconducting cadmium selenide thin films. Crystal Research and Technology, 2003, 38, 30-33.	0.6	41
2	Nonlinear optical and optical power limiting studies of Zn1-xMnxO thin films prepared by spray pyrolysis. Optik, 2019, 182, 671-681.	1.4	27
3	Tuning optical, electrical and magnetic properties of fiber structured ZnO film by deposition temperature and precursor concentration. Materials Science in Semiconductor Processing, 2017, 68, 97-107.	1.9	18
4	Influence of solution molarity on structure, surface morphology, non-linear optical and electric properties of CdO thin films prepared by spray pyrolysis technique. Materials Research Express, 2019, 6, 106447.	0.8	17
5	Defect induced white-light emission from Mnâ€“doped ZnO films and its magnetic properties. Journal of Luminescence, 2018, 199, 423-432.	1.5	16
6	Enhancement of optical limiting performance in nanocrystalline La3+ doped ZnO film. Materials Science in Semiconductor Processing, 2021, 133, 105931.	1.9	16
7	Influence of Cd on structure, surface morphology, optical and electrical properties of nano crystalline ZnS films. Sensors and Actuators A: Physical, 2020, 303, 111719.	2.0	13
8	Effect of deposition temperature and Zn composition on structure, optical and electrical properties of CdO thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 12603-12614.	1.1	12
9	Influence of cobalt doping on structure, optical and magnetic properties of spray pyrolysed nano structured ZnO films. Physica B: Condensed Matter, 2019, 572, 18-26.	1.3	10
10	Microstructural, linear and nonlinear optical study of spray pyrolysed nanostructured Laâ€“ZnO thin film: An effect of deposition temperature. Optical Materials, 2021, 122, 111742.	1.7	9
11	Investigation of structure, morphology, photoluminescence, linear and third-order nonlinear optical properties of Sn1â^'xLaxO2 thin films for optical limiting applications. Journal of Alloys and Compounds, 2022, 892, 162070.	2.8	8
12	Microstructural and piezoelectric properties of ZnO films. Materials Science in Semiconductor Processing, 2022, 146, 106680.	1.9	8
13	A comprehensive investigation of structural and optical properties of the spray coated Nd-doped ZnO. Journal of Alloys and Compounds, 2022, 922, 166262.	2.8	8
14	Optical and electrical properties of Zn1â^'x Cd x O thin films. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	7
15	Optical, electrical and magnetic properties of fiber structure Zn0.99Mn0.01O films prepared by spray pyrolysis. Thin Solid Films, 2018, 655, 83-94.	0.8	7
16	Modification of structure, electrical, linear and third-order nonlinear optical properties of spray pyrolyzed tin oxide films by deposition temperature. Superlattices and Microstructures, 2021, 155, 106920.	1.4	7
17	Flexible cadmium telluride/cadmium sulphide thin film solar cells on mica substrate. Journal of Materials Science: Materials in Electronics, 2012, 23, 1805-1808.	1.1	6
18	Band structure controlled solid solution of spray deposited Cd1-x ZnxS films: Investigation on photoluminescence and photo response properties. Physica B: Condensed Matter, 2020, 586, 412143.	1.3	6

#	Article	IF	Citations
19	Effect of Substrate Temperature and Molarity on Optical and Electrical Properties of Mixed Structured Zn0.80Cd0.20O Thin Films. Journal of Electronic Materials, 2018, 47, 6681-6690.	1.0	5
20	Influence of structure and surface morphology on optical limiting property of spray pyrolyzed ZCO thin films. Chemical Physics Letters, 2020, 759, 137975.	1.2	4
21	Influence of annealing on microstructure, nonlinear optical and electrical properties of spray pyrolyzed Sn0.97La0.03O2 films. Optical Materials, 2022, 125, 112080.	1.7	4
22	Influence of preparation parameters on structure and optical properties of ZnO thin films. Indian Journal of Physics, 2014, 88, 585-591.	0.9	3
23	Optical Properties of Zinc Oxide (ZnO) Thin Films Prepared by Spray Pyrolysis Method. Advanced Materials Research, 2014, 895, 226-230.	0.3	2
24	Effect of Cadmium Dopant on Structure and Optical Properties of ZnO Thin Films Prepared by Spray Pyrolysis Technique. IOP Conference Series: Materials Science and Engineering, 0, 360, 012050.	0.3	2
25	A study on structure, surface morphology, optical and electrical properties of spray pyrolyzed ZnO and Zn0.97Nd0.03O thin films. Materials Today: Proceedings, 2022, 55, 87-93.	0.9	2
26	Characterization of cadmium sulphide thin films prepared by successive ionic layers adsorption and reaction method. Journal of Materials Science: Materials in Electronics, 2013, 24, 567-571.	1.1	1
27	Role of growth conditions on optical and electrical properties of fiber structured Zn0.90Cd0.1O thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 7489-7500.	1.1	1
28	Cd-doped ZnO nano crystalline thin films prepared at 723K by spray pyrolysis. AIP Conference Proceedings, 2018, , .	0.3	1
29	Small Molecule Thin Film Solar Cells With Active Layers Composed Of Copper Phthalocyanine (CuPc) And Fullerene (C[sub 70]). , 2011, , .		0
30	Influence of Precursor Solution Concentration on Structure and Magnetic Properties of Zinc Oxide Thin Films. Key Engineering Materials, 2016, 724, 43-47.	0.4	0
31	Influence of Molar Concentration on the Structure and Optical Properties of ZnO Films Grown by Spray Pyrolysis Method. IOP Conference Series: Materials Science and Engineering, 2018, 360, 012051.	0.3	0
32	Molarity dependent transport properties of chemically sprayed Cd0.90Zn0.10S thin films for optoelectronic applications. AIP Conference Proceedings, 2019, , .	0.3	0