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Preparation of undoped and indium doped ZnO thin films by pulsed laser deposition method

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#	Paper	IF	Citations
41	Characterization of pure ZnO thin films prepared by a direct photochemical method. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 4088-4092	3.9	24
40	Structural and Electro-Optical Properties of ZnO Thin Films. 2007 ,		
39	Characterizations of ZnO thin films deposited onto langasite substrates by r.f. magnetron sputtering. 2007 ,		
38	Characteristics of ZnO thin films prepared by radio frequency magnetron sputtering. <i>Microelectronics Reliability</i> , 2008 , 48, 389-394	1.2	48
37	Chemically sprayed ZnO:(F, Zr) thin films: Effect of starting solution ageing time and substrate temperature on the physical properties. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 571-575	3.9	28
36	Enhanced photoemission from nanoscale agglomerations in Li co-activated Y2O3:Eu3+ thin films. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 377-385	5.7	10
35	Structural, optical and magnetic properties of Fe-doped ZnO. <i>Journal of Physics: Conference Series</i> , 2009 , 152, 012039	0.3	41
34	Effects of aluminum doping and substrate temperature on zinc oxide thin films grown by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 101, 707-711	2.6	25
33	Transparent conducting oxides for electrode applications in light emitting and absorbing devices. <i>Superlattices and Microstructures</i> , 2010 , 48, 458-484	2.8	463
32	The effect of indium doping on structural, electrical conductivity, photoconductivity and density of states properties of ZnO films. <i>Journal of Alloys and Compounds</i> , 2010 , 490, 62-67	5.7	97
31	Investigation of Molybdenum Doped ZnO Thin Films Prepared by Spray Pyrolysis Technique. <i>Ferroelectrics</i> , 2011 , 423, 126-134	0.6	9
30	Vapor Transport Growth of ZnO Substrates and Homoepitaxy of ZnO Device Layers. 2011 , 171-187		1
29	Pulsed laser deposited ZnO:In as transparent conducting oxide. <i>Thin Solid Films</i> , 2011 , 519, 3647-3652	2.2	16
28	Influence of Deposition Time on ZnO Films Grown by RF Magnetron Sputtering. <i>Advanced Materials Research</i> , 2012 , 562-564, 175-178	0.5	1
27	Fabrication of zinc indium oxide thin films and effect of post annealing on structural, chemical and electrical properties. <i>Journal of Alloys and Compounds</i> , 2012 , 530, 132-137	5.7	4
26	ZnO nanorods on undoped and indium-doped ZnO thin films as a TCO layer on nonconductive glass for dye-sensitized solar cells. <i>Superlattices and Microstructures</i> , 2012 , 52, 987-996	2.8	47
25	Investigation of structural and optical properties of ZnO films co-doped with fluorine and indium. <i>Superlattices and Microstructures</i> , 2012 , 52, 107-115	2.8	69

24	Influence of In doping on electro-optical properties of ZnO films. <i>Bulletin of Materials Science</i> , 2013 , 36, 231-237	1.7	19
23	Influence of Fe-doping on the optical and electrical properties of ZnO films. <i>Superlattices and Microstructures</i> , 2013 , 59, 87-96	2.8	36
22	Single and multiple doping effects of silicon Boron and fluorine on ZnO thin films deposited with sol-gel spin coating technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 273-285	2.1	15
21	A Study of Pb-Doping Effect on Structural, Optical, and Morphological Properties of ZnO Thin Films Deposited by Sol-Gel Spin Coating. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 3675-3685	2.3	38
20	Structural and optical properties of TZO thin films. <i>Vacuum</i> , 2014 , 107, 231-235	3.7	4
19	Effect of substrate surface pretreatment and annealing treatment on morphology, structure, optical and electrical properties of sputtered ZnO films. <i>Superlattices and Microstructures</i> , 2015 , 83, 604-617	2.8	13
18	Electrical and optical properties of ZnO/Si heterojunctions as a function of the Mg dopant content. <i>Materials Science in Semiconductor Processing</i> , 2015 , 29, 76-82	4.3	19
17	Lutentium incorporation influence on ZnO thin films coated via a sol-gel route: spin coating technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 5089-5098	2.1	2
16	Structural and optical properties of Fe-doped ZnO transparent thin films. <i>Ceramics International</i> , 2016 , 42, 1133-1139	5.1	37
15	Role of annealing temperature on electrical and optical properties of ZnO nanoparticles for renewable energy applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 226-231	2.1	10
14	Structural, electric modulus and complex impedance analysis of ZnO/TiO ₂ composite ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2045-2058	3.8	20
13	Evaluation of the Corrosion Resistance Properties of Electroplated Chitosan-ZnCuO Composite Thin Films. <i>Nanomaterials</i> , 2017 , 7,	5.4	12
12	Optoelectrical properties of Al/p-Si/Fe:N doped ZnO/Al diodes. <i>Thin Solid Films</i> , 2018 , 653, 236-248	2.2	17
11	Highly c-Axis Oriented Growth and Optical Characterization of ZnO Pore-Like Structures Surrounded by Craters via Pulsed Laser Deposition. <i>Silicon</i> , 2018 , 10, 645-650	2.4	4
10	Effects of Plasma Pretreatment on ZnO Deposition by SILAR on SiO ₂ , HfO ₂ , and Glass Substrates. <i>Crystal Research and Technology</i> , 2018 , 53, 1800039	1.3	2
9	The Effect of Annealing, Doping on the Properties and Functionality of Zinc Oxide Thin Film; Review. 2019 ,		
8	Effect of Indium Doping on Optical Parameter Properties of Sol-Gel-Derived ZnO Thin Films. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019 , 74, 915-923	1.4	5
7	A Bibliometric Analysis of the Publications on In Doped ZnO to be a Guide for Future Studies. <i>Metals</i> , 2020 , 10, 598	2.3	5

6	Characterization of niobium-doped zinc oxide thin films: Structural changes and optical properties. <i>Materials Today Communications</i> , 2021 , 26, 101791	2.5	0
5	Physics Properties Comparison Between Undoped ZnO and AZO, IZO Doped Thin Films Prepared By Spray Pyrolysis. <i>Journal of Applied Sciences</i> , 2007 , 7, 220-225	0.3	13
4	Preparation and Characterization of ZnO: In Transparent Conductor by Low Cost Dip Coating Technique. <i>Journal of Modern Physics</i> , 2012 , 03, 1060-1069	0.5	10
3	Poling of Ferroelectric Ceramics. <i>Journal of Applied Sciences</i> , 2006 , 6, 998-1002	0.3	3
2	Studies of electrical and optical properties of Sn doped and undoped ZnO thin films by the spray pyrolysis method. <i>Química Hoy Chemistry Sciences \$b</i> , 2011 , 1, 5	0	
1	Optoelectrical Properties of NiInZnO (NIZO) Thin Films. 6,		