Mk Jayaraj

List of Publications by Year
in descending order

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25 papers	1,232 citations	623734 14 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1441 citing authors

#	Article	IF	Citations
1	p-Type conductivity in the delafossite structure. Solid State Sciences, 2001, 3, 265-270.	0.7	211
2	p-Type oxides for use in transparent diodes. Thin Solid Films, 2002, 411, 119-124.	1.8	186
3	p-Type transparent thin films of CuY1â^'xCaxO2. Thin Solid Films, 2001, 397, 244-248.	1.8	125
4	Effect of substrate temperature on the growth of ITO thin films. Applied Surface Science, 2005, 252, 1430-1435.	6.1	120
5	The effect of the pH value on the growth and properties of chemical-bath-deposited ZnS thin films. Materials Chemistry and Physics, 2005, 90, 106-110.	4.0	85
6	Room temperature deposited transparent p-channel CuO thin film transistors. Applied Surface Science, 2014, 297, 153-157.	6.1	72
7	Fabrication of p-CuO/n-ZnO heterojunction diode via sol-gel spin coating technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 220, 82-90.	3.5	66
8	Transparent p-AgCoO2/n-ZnO diode heterojunction fabricated by pulsed laser deposition. Thin Solid Films, 2007, 515, 7352-7356.	1.8	62
9	Influence of target to substrate spacing on the properties of ITO thin films. Applied Surface Science, 2004, 225, 294-301.	6.1	54
10	Electrical Characteristics of n-ZnO/p-Si Heterojunction Diodes Grown by Pulsed Laser Deposition at Different Oxygen Pressures. Journal of Electronic Materials, 2008, 37, 770-775.	2.2	43
11	Growth and characterization of tin oxide thin films and fabrication of transparent p-SnO/n-ZnO pâ€“n hetero junction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 816-821.	3.5	41
12	New CuM2/3Sb1/3O2 and AgM2/3Sb1/3O2 compounds with the delafossite structure. Solid State Sciences, 2002, 4, 787-792.	3.2	40
13	Violet luminescence from ZnO nanorods grown by room temperature pulsed laser deposition. Current Applied Physics, 2010, 10, 693-697.	2.4	37
14	Solar photocatalytic degradation of methyl orange dye using TiO₂nanoparticles synthesised by solâ€“gel method in neutral medium. Journal of Experimental Nanoscience, 2015, 10, 1106-1115.	2.4	22
15	Influence of a dopant source on the structural and optical properties of Mn doped ZnGa2O4 thin films. Applied Physics A: Materials Science and Processing, 2008, 90, 711-715.	2.3	14
16	Influence of RF power and fluorine doping on the properties of sputtered ITO thin films. Applied Surface Science, 2008, 255, 1790-1795.	6.1	12
17	Pulsed laser deposition of p-type Î±-AgGaO2 thin films. Thin Solid Films, 2008, 516, 1426-1430.	1.8	10
18	Green electroluminescence from Zn1â€“xMgxS:Mn alternating current thin film electroluminescent devices. Thin Solid Films, 2001, 389, 284-287.	1.8	9

#	Article	IF	Citations
19	Nuclear quadrupole resonance studies of transparent conducting oxides. Solid State Nuclear Magnetic Resonance, 2004, 26, 209-214.	2.3	8
20	Growth of ITO thin films on polyimide substrate by bias sputtering. Materials Science in Semiconductor Processing, 2010, 13, 64-69.	4.0	5
21	Structural and luminescent characteristics of pulsed laser deposited Eu³⁺-doped Y₂O₃thin films. Philosophical Magazine, 2012, 92, 1777-1787.	1.6	5
22	Development of p-type amorphous Cu1â^'xBxO2â^'Î´ thin films and fabrication of pn hetero junction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 185, 109-113.	3.5	3
23	Structural, optical and magnetic properties of highly oriented transition metal (Mn/Co/Ni/Cu) doped ZnO thin films prepared by PLD. Materials Research Society Symposia Proceedings, 2012, 1454, 239-244.	0.1	1
24	Dependence of Size of Liquid Phase Pulsed Laser Ablated ZnO Nanoparticles on pH of the Medium. Transactions of the Materials Research Society of Japan, 2009, 34, 759-763.	0.2	1
25	Sensitized luminescence of SrS:Dy,Cu,Cl phosphor. Philosophical Magazine, 2011, 91, 3641-3648.	1.6	0