Angel GuillÃ©n-Cervantes

List of Publications by Year
in descending order

40 papers	567 citations	623734 14 h-index	642732 23 g-index
40 all docs	40 docs citations	40 times ranked	707 citing authors

#	Article	IF	Citations
1	Amorphous copper sulfide films deposited by pulsed laser deposition using pellets as target. Journal of Non-Crystalline Solids, 2021, 555, 120532.	3.1	2
2	Optoelectronic properties of Cl and F doped CdS thin films grown by chemical bath deposition. Optik, 2021, 226, 166004.	2.9	5
3	One-step electrodeposition of CuAlGaSe2 thin films using triethanolamine as a complexing agent. Thin Solid Films, 2020, 713, 138351.	1.8	6
4	Structural and optical properties of CdTeâ€‰+â€‰CdTeO3 nanocomposite films with broad blueish photoluminescence. Journal of Materials Science: Materials in Electronics, 2020, 31, 7133-7140.	2.2	8
5	Structural and morphological characterization of YBa₂Cu₃O_{7-x} films deposited by screen printing from YBa₂Cu₃O_{6.962} superconductor in bulk. Materials Research Express, 2020, 7, 096001.	1.6	2
6	CdSe films synthesized from chemical bath deposited Cd(O₂)_{0.88}(OH)_{0.24} precursor films immersed in a Se ionic solution. Materials Research Express, 2019, 6, 126406.	1.6	2
7	A simple route for the preparation of nanostructured GdCoO3 via the solution method, as well as its characterization and its response to certain gases. Results in Physics, 2019, 12, 475-483.	4.1	20
8	Magnetic domain interactions of Fe3O4 nanoparticles embedded in a SiO2 matrix. Scientific Reports, 2018, 8, 5096.	3.3	35
9	Synthesis of paramelaconite nanoparticles by laser ablation. Journal of Laser Applications, 2018, 30, .	1.7	6
10	Physical Properties of Sputtered Indium-doped ZnO Films Deposited on Flexible Transparent Substrates. Materials Research, 2018, 21, .	1.3	12
11	In x Ga 1-x N nucleation by In+ ion implantation into GaN. Nuclear Instruments & Methods in Physics Research B, 2017, 413, 62-67.	1.4	9
12	Nanocrystalline-CdS thin films grown on flexible PET-substrates by chemical bath deposition. Materials Research Express, 2017, 4, 075904.	1.6	15
13	Effect of the sulfur and fluorine concentration on physical properties of CdS films grown by chemical bath deposition. Results in Physics, 2017, 7, 1971-1975.	4.1	17
14	Optimization of physical properties of spray-deposited Cu2ZnSnS4 thin films for solar cell applications. Materials and Design, 2017, 114, 515-520.	7.0	41
15	Structural properties of Sn-doped CdTe thin films grown by pulsed laser deposition using powder as target. Journal of Laser Applications, 2016, 28, 032012.	1.7	8
16	Synthesis, characterization and sensitivity tests of perovskite-type LaFeO3 nanoparticles in CO and propane atmospheres. Ceramics International, 2016, 42, 18821-18827.	4.8	24
17	Influence of plasma parameters and substrate temperature on the structural and optical properties of CdTe thin films deposited on glass by laser ablation. Journal of Applied Physics, 2015, 118, 125304.	2.5	13
18	Synthesis of CdS Nanocrystals by Employing the By-Products of the Anaerobic Respiratory Process ofDesulfovibrio alaskensis6SR Bacteria. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	3

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19	Influence of the indium nominal concentration in the formation of CuInS2 films grown by CBD. Materials Science in Semiconductor Processing, 2015, 39, 755-759.	4.0	4
20	Photoluminescence of CdTe nanocrystals grown by pulsed laser ablation on a template of Si nanoparticles. Applied Physics A: Materials Science and Processing, 2015, 118, 1039-1042.	2.3	3
21	Structural and optical properties of CdTe-nanocrystals thin films grown by chemical synthesis. Materials Science in Semiconductor Processing, 2015, 35, 144-148.	4.0	22
22	Study of the structure, optical properties, surface morphology and topology of ZnO thin films grown by solâ€“gel on silicon substrates. Materials Research Express, 2014, 1, 036404.	1.6	1
23	CdTe thin films grown by pulsed laser deposition using powder as target: Effect of substrate temperature. Journal of Crystal Growth, 2014, 386, 27-31.	1.5	44
24	A novel solvothermal route for obtaining strontium titanate nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	8
25	Effect of precursor solution and annealing temperature on the physical properties of Solâ€“Gel-deposited ZnO thin films. Results in Physics, 2013, 3, 248-253.	4.1	32
26	Copper telluride thin films grown by pulsed laser deposition. Surface and Coatings Technology, 2013, 217, 181-183.	4.8	8
27	Effect of the immersion in CdCl2 and annealing on physical properties of CdS:F films grown by CBD. Journal of Physics and Chemistry of Solids, 2013, 74, 611-615.	4.0	24
28	Hexagonal CdTe films with Te excess grown at room temperature by laser ablation. Materials Letters, 2013, 92, 94-95.	2.6	7
29	Stoichiometric 6H-SiC thin films deposited at low substrate temperature by laser ablation. Journal of Laser Applications, 2013, 25, 052007.	1.7	2
30	Physical properties of CdTe:Cu films grown at low temperature by pulsed laser deposition. Journal of Applied Physics, 2012, 112, .	2.5	28
31	Structural, optical and electrical properties of Cd-doped SnO2 thin films grown by RF reactive magnetron co-sputtering. Applied Surface Science, 2012, 258, 2459-2463.	6.1	31
32	Structural and optical properties of Cu-doped CdTe films with hexagonal phase grown by pulsed laser deposition. AIP Advances, 2012, 2, 022131.	1.3	18
33	Structural and optical properties of GaN thin films grown on Al2O3 substrates by MOCVD at different reactor pressures. Applied Surface Science, 2011, 258, 1267-1271.	6.1	10
34	Study of AlGaAs/GaAs quantum wells grown by molecular beam epitaxy on GaAs substrates subjected to different treatments. Journal of Crystal Growth, 2009, 311, 1666-1670.	1.5	2
35	Photoluminescence and secondary ion mass spectroscopy characterization of GaAsâ€“AlGaAs quantum wells grown on GaAs (100) substrates with different surface treatments. Applied Surface Science, 2009, 255, 4742-4746.	6.1	3
36	Influence of chemical etching on step bunching formation on GaAs (100) during thermal oxide removal. Thin Solid Films, 2007, 515, 3635-3637.	1.8	2

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37	Study of internal electric fields in AlGaAs/GaAs two-dimensional electron gas heterostructures. Microelectronics Journal, 2003, 34, 521-523.	2.0	5
38	GaAs surface oxide desorption by annealing in ultra high vacuum. Thin Solid Films, 2000, 373, 159-163.	1.8	59
39	Hillocks formation during the molecular beam epitaxial growth of ZnSe on GaAs substrates. Journal of Crystal Growth, 1998, 193, 528-534.	1.5	25
40	Evaluation of AlGaAs/GaAs Two Dimensional Electron Gas Heterostructures to Obtain a Resistance Standard. , 0, , .		1