

Angel GuillÃ©n-Cervantes

List of Publications by Year in descending order

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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	GaAs surface oxide desorption by annealing in ultra high vacuum. <i>Thin Solid Films</i> , 2000, 373, 159-163.	1.8	59
2	CdTe thin films grown by pulsed laser deposition using powder as target: Effect of substrate temperature. <i>Journal of Crystal Growth</i> , 2014, 386, 27-31.	1.5	44
3	Optimization of physical properties of spray-deposited Cu ₂ ZnSnS ₄ thin films for solar cell applications. <i>Materials and Design</i> , 2017, 114, 515-520.	7.0	41
4	Magnetic domain interactions of Fe ₃ O ₄ nanoparticles embedded in a SiO ₂ matrix. <i>Scientific Reports</i> , 2018, 8, 5096.	3.3	35
5	Effect of precursor solution and annealing temperature on the physical properties of Sol-gel-deposited ZnO thin films. <i>Results in Physics</i> , 2013, 3, 248-253.	4.1	32
6	Structural, optical and electrical properties of Cd-doped SnO ₂ thin films grown by RF reactive magnetron co-sputtering. <i>Applied Surface Science</i> , 2012, 258, 2459-2463.	6.1	31
7	Physical properties of CdTe:Cu films grown at low temperature by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	28
8	Hillocks formation during the molecular beam epitaxial growth of ZnSe on GaAs substrates. <i>Journal of Crystal Growth</i> , 1998, 193, 528-534.	1.5	25
9	Effect of the immersion in CdCl ₂ and annealing on physical properties of CdS:F films grown by CBD. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 611-615.	4.0	24
10	Synthesis, characterization and sensitivity tests of perovskite-type LaFeO ₃ nanoparticles in CO and propane atmospheres. <i>Ceramics International</i> , 2016, 42, 18821-18827.	4.8	24
11	Structural and optical properties of CdTe-nanocrystals thin films grown by chemical synthesis. <i>Materials Science in Semiconductor Processing</i> , 2015, 35, 144-148.	4.0	22
12	A simple route for the preparation of nanostructured GdCoO ₃ via the solution method, as well as its characterization and its response to certain gases. <i>Results in Physics</i> , 2019, 12, 475-483.	4.1	20
13	Structural and optical properties of Cu-doped CdTe films with hexagonal phase grown by pulsed laser deposition. <i>AIP Advances</i> , 2012, 2, 022131.	1.3	18
14	Effect of the sulfur and fluorine concentration on physical properties of CdS films grown by chemical bath deposition. <i>Results in Physics</i> , 2017, 7, 1971-1975.	4.1	17
15	Nanocrystalline-CdS thin films grown on flexible PET-substrates by chemical bath deposition. <i>Materials Research Express</i> , 2017, 4, 075904.	1.6	15
16	Influence of plasma parameters and substrate temperature on the structural and optical properties of CdTe thin films deposited on glass by laser ablation. <i>Journal of Applied Physics</i> , 2015, 118, 125304.	2.5	13
17	Physical Properties of Sputtered Indium-doped ZnO Films Deposited on Flexible Transparent Substrates. <i>Materials Research</i> , 2018, 21, .	1.3	12
18	Structural and optical properties of GaN thin films grown on Al ₂ O ₃ substrates by MOCVD at different reactor pressures. <i>Applied Surface Science</i> , 2011, 258, 1267-1271.	6.1	10

#	ARTICLE	IF	CITATIONS
19	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
20	A novel solvothermal route for obtaining strontium titanate nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	8
21	Copper telluride thin films grown by pulsed laser deposition. Surface and Coatings Technology, 2013, 217, 181-183.	4.8	8
22	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
23	Structural and optical properties of CdTe+CdTeO3 nanocomposite films with broad blueish photoluminescence. Journal of Materials Science: Materials in Electronics, 2020, 31, 7133-7140.	2.2	8
24	Hexagonal CdTe films with Te excess grown at room temperature by laser ablation. Materials Letters, 2013, 92, 94-95.	2.6	7
25	Synthesis of paramelaconite nanoparticles by laser ablation. Journal of Laser Applications, 2018, 30, .	1.7	6
26	One-step electrodeposition of CuAlGaSe2 thin films using triethanolamine as a complexing agent. Thin Solid Films, 2020, 713, 138351.	1.8	6
27	Study of internal electric fields in AlGaAs/GaAs two-dimensional electron gas heterostructures. Microelectronics Journal, 2003, 34, 521-523.	2.0	5
28	Optoelectronic properties of Cl and F doped CdS thin films grown by chemical bath deposition. Optik, 2021, 226, 166004.	2.9	5
29	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
30	Photoluminescence and secondary ion mass spectroscopy characterization of GaAs/AlGaAs quantum wells grown on GaAs (100) substrates with different surface treatments. Applied Surface Science, 2009, 255, 4742-4746.	6.1	3
31	Synthesis of CdS Nanocrystals by Employing the By-Products of the Anaerobic Respiratory Process of Desulfovibrio alaskensis 6SR Bacteria. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	3
32	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
33	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
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	Stoichiometric 6H-SiC thin films deposited at low substrate temperature by laser ablation. Journal of Laser Applications, 2013, 25, 052007.	1.7	2
36	CdSe films synthesized from chemical bath deposited Cd(O ₂) _{0.88} (OH) _{0.24} precursor films immersed in a Se ionic solution. Materials Research Express, 2019, 6, 126406.	1.6	2

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37	Amorphous copper sulfide films deposited by pulsed laser deposition using pellets as target. Journal of Non-Crystalline Solids, 2021, 555, 120532.	3.1	2
38	Structural and morphological characterization of $\text{YBa}_{2}\text{Cu}_{3}\text{O}_{7-x}$ films deposited by screen printing from $\text{YBa}_{2}\text{Cu}_{3}\text{O}_{6.962}$ superconductor in bulk. Materials Research Express, 2020, 7, 096001.	1.6	2
39	Evaluation of AlGaAs/GaAs Two Dimensional Electron Gas Heterostructures to Obtain a Resistance Standard. , 0, , .		1
40	Study of the structure, optical properties, surface morphology and topology of ZnO thin films grown by sol-gel on silicon substrates. Materials Research Express, 2014, 1, 036404.	1.6	1