

Francisco Cruz Gandarilla

List of Publications by Year in descending order

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papers

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430874

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56
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and optical properties of annealed CdO thin films prepared by spray pyrolysis. <i>Materials Chemistry and Physics</i> , 2001, 68, 249-252.	4.0	102
2	Spray pyrolysis deposition of cadmium-zinc oxide thin films. <i>Thin Solid Films</i> , 2000, 361-362, 53-55.	1.8	78
3	Photoluminescence and structural properties of cadmium sulphide thin films grown by different techniques. <i>Semiconductor Science and Technology</i> , 2003, 18, 111-114.	2.0	60
4	Influence of post-thermal annealing on the properties of sprayed cadmium-zinc oxide thin films. <i>Applied Surface Science</i> , 2000, 161, 27-34.	6.1	59
5	Nanostructured YSZ thin films for solid oxide fuel cells deposited by ultrasonic spray pyrolysis. <i>Solid State Ionics</i> , 2008, 179, 243-249.	2.7	56
6	Influence of the surrounding host in obtaining tunable and strong visible photoluminescence from silicon nanoparticles. <i>Applied Physics Letters</i> , 2006, 88, 041916.	3.3	39
7	Microstructural evolution and mechanical properties on an ARB processed IF steel studied by X-ray diffraction and EBSD. <i>Materials Characterization</i> , 2016, 118, 332-339.	4.4	32
8	Preparation of AgInS ₂ chalcopyrite thin films by chemical spray pyrolysis. <i>Materials Research Bulletin</i> , 2003, 38, 55-61.	5.2	31
9	Micro-structural characterization of annealed cadmium-zinc oxide thin films obtained by spray pyrolysis. <i>Materials Chemistry and Physics</i> , 2003, 78, 840-846.	4.0	30
10	Characterization of CBD-CdS layers with different S/Cd ratios in the chemical bath and their relation with the efficiency of CdS/CdTe solar cells. <i>Thin Solid Films</i> , 2007, 515, 6085-6088.	1.8	29
11	Physical properties of Bi ₂ Te ₃ and Sb ₂ Te ₃ films deposited by close space vapor transport. <i>Semiconductor Science and Technology</i> , 2009, 24, 025025.	2.0	29
12	Structural and optical properties of (ZnO) _x (CdO) _{1-x} thin films obtained by spray pyrolysis. <i>Thin Solid Films</i> , 2000, 373, 235-238.	1.8	25
13	Optimization of Cd _x Zn _{1-x} S compound from CdS/ZnS bi-layers deposited by chemical bath deposition for thin film solar cells application. <i>Thin Solid Films</i> , 2019, 676, 100-107.	1.8	25
14	Growth of Cd _(1-x) Zn _x Te epitaxial layers by isothermal closed space sublimation. <i>Journal of Crystal Growth</i> , 2002, 234, 311-317.	1.5	23
15	Influence of the growth conditions in the properties of the CdTe thin films deposited by CSVT. <i>Thin Solid Films</i> , 2001, 387, 50-53.	1.8	21
16	Synthesis and Characterization of Nanostructured Cerium Dioxide Thin Films Deposited by Ultrasonic Spray Pyrolysis. <i>Journal of the American Ceramic Society</i> , 2010, 93, 155-160.	3.8	21
17	Physical properties of CdS thin films grown by pulsed laser ablation on conducting substrates: effect of the thermal treatment. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 2018-2023.	1.8	20
18	Optimization of CBD-CdS physical properties for solar cell applications considering a MIS structure. <i>Materials and Design</i> , 2016, 99, 254-261.	7.0	18

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19	Low-temperature hydrogenation of Mg-Ni-Nb ₂ O ₅ alloy processed by high-pressure torsion. Journal of Alloys and Compounds, 2021, 878, 160309.	5.5	18
20	Modification of the properties of chemically deposited CdS thin films grown under magnetic field and variable growing parameters. Materials Research Bulletin, 2001, 36, 521-530.	5.2	17
21	Physical properties of Bi doped CdTe thin films grown by CSVT and their influence on the CdS/CdTe solar cells PV-properties. Thin Solid Films, 2007, 515, 5819-5823.	1.8	17
22	Study of the physical properties of Bi doped CdTe thin films deposited by close space vapour transport. Thin Solid Films, 2008, 516, 3818-3823.	1.8	16
23	Physical properties of Bi doped CdTe thin films grown by the CSVT method. Solar Energy Materials and Solar Cells, 2006, 90, 2228-2234.	6.2	14
24	Photoluminescence of As-Grown Silicon Nanocrystals Embedded in Silicon Nitride: Influence of Atomic Hydrogen Abundance. Journal of Nanoscience and Nanotechnology, 2009, 9, 2902-2909.	0.9	13
25	Texture and grain size dependence of grain boundary character distribution in recrystallized Fe-50%Ni. Scripta Materialia, 1999, 41, 847-853.	5.2	12
26	Co ₃ O ₄ nanoparticles produced by mechanochemical reactions. Nanotechnology, 2006, 17, 2528-2535.	2.6	12
27	Study of recovery and first recrystallisation kinetics in CGO Fe ₃ Si steels using misorientation-derived parameters (EBSD). Journal of Microscopy, 2019, 275, 133-148.	1.8	11
28	CdTe:Bi films deposited by closed space vapor transport under variable pressure and doping levels: evidences of the possible formation of an intermediate band. Journal of Materials Science: Materials in Electronics, 2016, 27, 6088-6095.	2.2	10
29	Incorporation of an efficient In_{2S_3} thin film as window material into CdTe photovoltaic devices. Materials Research Express, 2019, 6, 125510.	1.6	10
30	A Study of Local Microstructure and Texture Heterogeneities in a CGO Fe ₃ Si Alloy from Hot Rolling to Primary Recrystallization. Materials Science Forum, 2005, 495-497, 483-488.	0.3	9
31	Phase Formation as a Function of Substrate Temperature in Thin Layers of BiTe grown by CSVT. Microscopy and Microanalysis, 2008, 14, 274-275.	0.4	9
32	On the formation of a mixed carbide (MgNi ₃ Cx) during production of nanocrystalline Mg ₂ Ni by mechanical alloying. Scripta Materialia, 2005, 52, 571-575.	5.2	8
33	Close space vapor transport method for Bi ₂ Te ₃ thin films deposition: Influence of the type of substrate. Journal of Physics and Chemistry of Solids, 2009, 70, 365-370.	4.0	7
34	Structural and microstructural characterization of Bi ₂ Te ₃ films deposited by the close space vapor transport method using scanning electron microscopy and X-ray diffraction techniques. Thin Solid Films, 2012, 520, 3865-3870.	1.8	7
35	XRD Studies of Co-Fe-Ti Nanocrystalline Intermetallics. Materials Science Forum, 2003, 442, 109-114.	0.3	6
36	Microtexture determination in Fe-Si alloy sheets by etch pitting. Comparison with the electron back-scattering pattern technique. Journal of Applied Crystallography, 1994, 27, 924-933.	4.5	5

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37	Physical properties of CdS thin films grown by different techniques: a comparative study. , 0, , .		5
38	Hydrogen Storage in Nanostructured Mg-Base Alloys. Journal of Nano Research, 2009, 5, 213-221.	0.8	5
39	EBSD characterization of an IF steel processed by Accumulative Roll Bonding. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012077.	0.6	5
40	Study of Local Microstructure and Texture Heterogeneities in Hot Rolled CGO Fe-3%Si Sheets. Materials Science Forum, 2004, 467-470, 123-128.	0.3	4
41	Comparative study of the p+ layer created in CdTe films by nitricâ€“phosphoric etching and chemical-deposition methods. Journal of Physics and Chemistry of Solids, 2010, 71, 404-406.	4.0	3
42	ATOMIC LAYER EPITAXY BY ISOTHERMAL CLOSED SPACE SUBLIMATION. Modern Physics Letters B, 2001, 15, 579-584.	1.9	2
43	Production of Nanostructured CoO, Co<sub>3</sub><sub>O</sub>4</sub> and NiO Particles by Mechanically Induced Reactions. Materials Science Forum, 2002, 386-388, 281-286.	0.3	2
44	Characterization of Global and Local Textures in Hot Rolled CGO Fe3%Si. Materials Science Forum, 2006, 509, 25-30.	0.3	2
45	Generalized Pole Figures and Stored Energy Distribution Function Obtained by X-Ray Diffraction. Materials Science Forum, 0, 702-703, 519-522.	0.3	2
46	Texture and Microstructure Evolution in a Fe-Si CGO Sheet during the Processing Route before Secondary Recrystallization. Ceramic Transactions, 0, , 123-130.	0.1	2
47	Semiautomatic measurement of individual orientation of crystals by using etch pits and digitized images. Materials Characterization, 1995, 34, 189-194.	4.4	1
48	CdS large area thin films deposited on soda lime glass and conducting substrates by sputtering technique. , 0, , .		1
49	Synthesis of Gallium Nitride and Related Oxides Via Ammonobasic Reactive Sublimation (ARS). Materials Research, 2017, 20, 1707-1712.	1.3	1
50	Simultaneous XEDSâ€“EBSD Study of NiCoAlFeCu(Cr,Ti) Multiâ€“Component Alloys. Advanced Engineering Materials, 2018, 20, 1700215.	3.5	1
51	CORRELATION BETWEEN MICROSCOPIC AND MACROSCOPIC PROPERTIES OF YTTRIA-STABILIZED ZIRCONIA THIN FILMS. , 2004, , .		1
52	Structural Characterization and Texture Analysis of Znâ€“0.15 wt% Pbâ€“0.06 wt% Cd Calots for Dry Cells. Textures and Microstructures, 1991, 14, 1159-1164.	0.2	0
53	Fe-Ti(O,N) Composites Produced from Mechanically Alloyed Powders. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 267-274.	0.1	0
54	Production and Mechanical Properties of Nanocrystalline Intermetallics Based on TiAl3-X. Materials Research Society Symposia Proceedings, 2003, 791, 279.	0.1	0

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55	The Transformation of Co-Rich Alloys Produced by Mechanical Alloying. Materials Science Forum, 2006, 509, 135-140.	0.3	0
56	Special Section on Texture and Microstructure. Advanced Engineering Materials, 2018, 20, 1800132.	3.5	0