

Francisco Cruz Gandarilla

List of Publications by Year in descending order

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1182
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Incorporation of an efficient In ₂ S ₃ thin film as window material into CdTe photovoltaic devices. Materials Research Express, 2019, 6, 125510.	1.6	10
4	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. Thin Solid Films, 2019, 676, 100-107.	1.8	25
5	Special Section on Texture and Microstructure. Advanced Engineering Materials, 2018, 20, 1800132.	3.5	0
6	Simultaneous XEDS-EBSD Study of NiCoAlFeCu(Cr,Ti) Multi-Component Alloys. Advanced Engineering Materials, 2018, 20, 1700215.	3.5	1
7	Synthesis of Gallium Nitride and Related Oxides Via Ammonobasic Reactive Sublimation (ARS). Materials Research, 2017, 20, 1707-1712.	1.3	1
8	Microstructural evolution and mechanical properties on an ARB processed IF steel studied by X-ray diffraction and EBSD. Materials Characterization, 2016, 118, 332-339.	4.4	32
9	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
10	Optimization of CBD-CdS physical properties for solar cell applications considering a MIS structure. Materials and Design, 2016, 99, 254-261.	7.0	18
11	EBSD characterization of an IF steel processed by Accumulative Roll Bonding. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012077.	0.6	5
12	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
13	Comparative study of the p ⁺ layer created in CdTe films by nitric-phosphoric etching and chemical-deposition methods. Journal of Physics and Chemistry of Solids, 2010, 71, 404-406.	4.0	3
14	Synthesis and Characterization of Nanostructured Cerium Dioxide Thin Films Deposited by Ultrasonic Spray Pyrolysis. Journal of the American Ceramic Society, 2010, 93, 155-160.	3.8	21
15	Hydrogen Storage in Nanostructured Mg-Base Alloys. Journal of Nano Research, 2009, 5, 213-221.	0.8	5
16	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
17	Physical properties of Bi ₂ Te ₃ and Sb ₂ Te ₃ films deposited by close space vapor transport. Semiconductor Science and Technology, 2009, 24, 025025.	2.0	29
18	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

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19	Nanostructured YSZ thin films for solid oxide fuel cells deposited by ultrasonic spray pyrolysis. Solid State Ionics, 2008, 179, 243-249.	2.7	56
20	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
21	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
22	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
23	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. Thin Solid Films, 2007, 515, 6085-6088.	1.8	29
24	The Transformation of Co-Rich Alloys Produced by Mechanical Alloying. Materials Science Forum, 2006, 509, 135-140.	0.3	0
25	Physical properties of CdS thin films grown by pulsed laser ablation on conducting substrates: effect of the thermal treatment. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2018-2023.	1.8	20
26	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
27	Characterization of Global and Local Textures in Hot Rolled CGO Fe3%Si. Materials Science Forum, 2006, 509, 25-30.	0.3	2
28	Influence of the surrounding host in obtaining tunable and strong visible photoluminescence from silicon nanoparticles. Applied Physics Letters, 2006, 88, 041916.	3.3	39
29	Co3O4 nanoparticles produced by mechanochemical reactions. Nanotechnology, 2006, 17, 2528-2535.	2.6	12
30	On the formation of a mixed carbide (MgNi3Cx) during production of nanocrystalline Mg2Ni by mechanical alloying. Scripta Materialia, 2005, 52, 571-575.	5.2	8
31	A Study of Local Microstructure and Texture Heterogeneities in a CGO Fe3%Si Alloy from Hot Rolling to Primary Recrystallization. Materials Science Forum, 2005, 495-497, 483-488.	0.3	9
32	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
33	CORRELATION BETWEEN MICROSCOPIC AND MACROSCOPIC PROPERTIES OF YTTRIA-STABILIZED ZIRCONIA THIN FILMS. , 2004, , .		1
34	Photoluminescence and structural properties of cadmium sulphide thin films grown by different techniques. Semiconductor Science and Technology, 2003, 18, 111-114.	2.0	60
35	Micro-structural characterization of annealed cadmium-zinc oxide thin films obtained by spray pyrolysis. Materials Chemistry and Physics, 2003, 78, 840-846.	4.0	30
36	Preparation of AgInS2 chalcopyrite thin films by chemical spray pyrolysis. Materials Research Bulletin, 2003, 38, 55-61.	5.2	31

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37	XRD Studies of Co-Fe-Ti Nanocrystalline Intermetallics. Materials Science Forum, 2003, 442, 109-114.	0.3	6
38	Fe-Ti(O,N) Composites Produced from Mechanically Alloyed Powders. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 267-274.	0.1	0
39	Production and Mechanical Properties of Nanocrystalline Intermetallics Based on TiAl ₃ -X. Materials Research Society Symposia Proceedings, 2003, 791, 279.	0.1	0
40	Production of Nanostructured CoO, Co ₃ O ₄ and NiO Particles by Mechanically Induced Reactions. Materials Science Forum, 2002, 386-388, 281-286.	0.3	2
41	Growth of Cd(1-x)Zn _x Te epitaxial layers by isothermal closed space sublimation. Journal of Crystal Growth, 2002, 234, 311-317.	1.5	23
42	Influence of the growth conditions in the properties of the CdTe thin films deposited by CSVT. Thin Solid Films, 2001, 387, 50-53.	1.8	21
43	Structural and optical properties of annealed CdO thin films prepared by spray pyrolysis. Materials Chemistry and Physics, 2001, 68, 249-252.	4.0	102
44	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
45	ATOMIC LAYER EPITAXY BY ISOTHERMAL CLOSED SPACE SUBLIMATION. Modern Physics Letters B, 2001, 15, 579-584.	1.9	2
46	Structural and optical properties of (ZnO) _x (CdO) _{1-x} thin films obtained by spray pyrolysis. Thin Solid Films, 2000, 373, 235-238.	1.8	25
47	Influence of post-thermal annealing on the properties of sprayed cadmium-zinc oxide thin films. Applied Surface Science, 2000, 161, 27-34.	6.1	59
48	Spray pyrolysis deposition of cadmium-zinc oxide thin films. Thin Solid Films, 2000, 361-362, 53-55.	1.8	78
49	Texture and grain size dependence of grain boundary character distribution in recrystallized Fe-50%Ni. Scripta Materialia, 1999, 41, 847-853.	5.2	12
50	Semiautomatic measurement of individual orientation of crystals by using etch pits and digitized images. Materials Characterization, 1995, 34, 189-194.	4.4	1
51	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
52	Structural Characterization and Texture Analysis of Zn-0.15 wt% Pb-0.06 wt% Cd Calots for Dry Cells. Textures and Microstructures, 1991, 14, 1159-1164.	0.2	0
53	CdS large area thin films deposited on soda lime glass and conducting substrates by sputtering technique. , 0, , .		1
54	Physical properties of CdS thin films grown by different techniques: a comparative study. , 0, , .		5

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55	Generalized Pole Figures and Stored Energy Distribution Function Obtained by X-Ray Diffraction. Materials Science Forum, 0, 702-703, 519-522.	0.3	2
56	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