

G A Castillo-Rodríguez

List of Publications by Year in descending order

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40
papers

1,003
citations

430874

18
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434195

31
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all docs

40
docs citations

40
times ranked

1078
citing authors

#	ARTICLE	IF	CITATIONS
1	MgO-ZrO ₂ Ceramic Composites for Silicomanganese Production. <i>Materials</i> , 2022, 15, 2421.	2.9	2
2	XPS Study on Calcining Mixtures of Brucite with Titania. <i>Materials</i> , 2022, 15, 3117.	2.9	11
3	Research and Development of Novel Refractory of MgO Doped with ZrO ₂ Nanoparticles for Copper Slag Resistance. <i>Materials</i> , 2021, 14, 2277.	2.9	13
4	Development of an Ultra-Low Carbon MgO Refractory Doped with \pm -Al ₂ O ₃ Nanoparticles for the Steelmaking Industry: A Microstructural and Thermo-Mechanical Study. <i>Materials</i> , 2020, 13, 715.	2.9	14
5	MgO Refractory Doped with ZrO ₂ Nanoparticles: Influence of Cold Isostatic and Uniaxial Pressing and Sintering Temperature in the Physical and Chemical Properties. <i>Metals</i> , 2019, 9, 1297.	2.3	6
6	Copper antimony sulfide nanoparticles by pulsed laser ablation in liquid and their thin film for photovoltaic application. <i>Applied Surface Science</i> , 2019, 476, 94-106.	6.1	23
7	Effects of ablation energy and post-irradiation on the structure and properties of titanium dioxide nanomaterials. <i>Applied Surface Science</i> , 2017, 405, 183-194.	6.1	37
8	CuSbS ₂ thin films by rapid thermal processing of Sb ₂ S ₃ -Cu stack layers for photovoltaic application. <i>Solar Energy Materials and Solar Cells</i> , 2017, 164, 19-27.	6.2	77
9	Synthesis and Properties of Platinum Nanoparticles by Pulsed Laser Ablation in Liquid. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-11.	2.7	33
10	Corrosion Mechanisms in Refractory Castables by Liquid Oxides. , 2016, , 1053-1061.		0
11	Structure and morphologies of ZnO nanoparticles synthesized by pulsed laser ablation in liquid: Effects of temperature and energy fluence. <i>Materials Chemistry and Physics</i> , 2015, 162, 561-570.	4.0	41
12	CdS thin films prepared by laser assisted chemical bath deposition. <i>Applied Surface Science</i> , 2015, 336, 329-334.	6.1	32
13	Effect of addition of Al ₂ O ₃ and Fe ₂ O ₃ nanoparticles on the microstructural and physico-chemical evolution of dense magnesia composite. <i>Ceramics International</i> , 2015, 41, 7751-7758.	4.8	33
14	Synthesis and properties of palladium nanoparticles by pulsed laser ablation in liquid. <i>Applied Surface Science</i> , 2015, 348, 45-53.	6.1	25
15	Laser sintering of magnesia with nanoparticles of iron oxide and aluminum oxide. <i>Applied Surface Science</i> , 2015, 336, 59-66.	6.1	18
16	Synthesis and Characterization of Hercynite Nanoparticles by Pulsed Laser Ablation in Liquid Technique. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E34.	2.1	17
17	Thin films of copper antimony sulfide: A photovoltaic absorber material. <i>Materials Research Bulletin</i> , 2015, 61, 215-225.	5.2	60
18	CuSbS ₂ thin films by heating Sb ₂ S ₃ /Cu layers for PV applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4356-4362.	2.2	30

#	ARTICLE	IF	CITATIONS
19	Photovoltaic structures using AgSb(SxSe1-x)2 thin films as absorber. Applied Physics A: Materials Science and Processing, 2014, 116, 2095-2105.	2.3	15
20	MgAl2O4 spinel as an effective ceramic bonding in a MgO-CaZrO3 refractory. Journal of the European Ceramic Society, 2013, 33, 2767-2774.	5.7	32
21	Failure analysis of Co-Cr hip resurfacing prosthesis during solidification. Case Studies in Engineering Failure Analysis, 2013, 1, 1-5.	1.2	11
22	AgSb(SxSe1-x)2 thin films for solar cell applications. Materials Research Bulletin, 2013, 48, 1939-1945.	5.2	15
23	Synthesis of silver nanoparticles and antimony oxide nanocrystals by pulsed laser ablation in liquid media. Applied Physics A: Materials Science and Processing, 2013, 110, 809-816.	2.3	25
24	Modification of structure, morphology and physical properties of tin sulfide thin films by pulsed laser irradiation. Applied Physics A: Materials Science and Processing, 2013, 110, 667-672.	2.3	9
25	Nanoparticles of antimony sulfide by pulsed laser ablation in liquid media. Journal of Materials Science, 2013, 48, 6445-6453.	3.7	20
26	INDIUM SELENIDE THIN FILMS BY LASER IRRADIATION OF In/Se LAYERED STRUCTURE. Surface Review and Letters, 2013, 20, 1350058.	1.1	3
27	Influence of Oxide Nanoparticles of Fe, Al and Si on the Sintered Magnesia for the Production of Refractory Material to Be Used in Secondary Ladle Metallurgy. Materials Research Society Symposia Proceedings, 2012, 1371, 117.	0.1	0
28	In6Se7 thin films by heating thermally evaporated indium and chemical bath deposited selenium multilayers. Applied Surface Science, 2012, 258, 5753-5758.	6.1	10
29	Hercynite and magnesium aluminate spinels acting as a ceramic bonding in an electrofused MgO-CaZrO3 refractory brick for the cement industry. Ceramics International, 2012, 38, 6769-6775.	4.8	31
30	Modification of optical and electrical properties of chemical bath deposited CdS using plasma treatments. Thin Solid Films, 2011, 519, 7587-7591.	1.8	17
31	p-Type CuSbS2 thin films by thermal diffusion of copper into Sb2S3. Solar Energy Materials and Solar Cells, 2011, 95, 2001-2005.	6.2	104
32	Copper Indium Diselenide thin films using a hybrid method of chemical bath deposition and thermal evaporation. Materials Research Society Symposia Proceedings, 2011, 1324, 121.	0.1	0
33	Coatings made of tungsten carbide and tantalum carbide for machining tools. Vacuum, 2010, 84, 1236-1239.	3.5	13
34	Sb2S3:C/CdS p-n junction by laser irradiation. Thin Solid Films, 2009, 517, 2493-2496.	1.8	15
35	Boron influence on wear resistance in nickel-based alloys. Wear, 2009, 267, 550-555.	3.1	16
36	Carbon-doped Sb2S3 thin films: Structural, optical and electrical properties. Solar Energy Materials and Solar Cells, 2009, 93, 33-36.	6.2	57

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37	On the structure, morphology, and optical properties of chemical bath deposited Sb ₂ S ₃ thin films. Applied Surface Science, 2008, 254, 3200-3206.	6.1	87
38	Design of Blast Furnace Crucibles by Means of the Nodal Wear Model. ISIJ International, 2008, 48, 134-140.	1.4	15
39	Microstructure and properties of hercynite-magnesia-calcium zirconate refractory mixtures. Materials Characterization, 2005, 54, 354-359.	4.4	28
40	Thermal modelling of a torpedo-car. Revista De Metalurgia, 2005, 41, 449-455.	0.5	8