

Jorge LÃ³pez-Cuevas

List of Publications by Year in descending order

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623734

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docs citations

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574
citing authors

#	ARTICLE	IF	CITATIONS
1	Limiting the development of Al ₄ C ₃ to prevent degradation of Al/SiCp composites processed by pressureless infiltration. Composites Science and Technology, 2006, 66, 1056-1062.	7.8	82
2	Microstructure and impact behavior of Al/SiCp composites fabricated by pressureless infiltration with different types of SiCp. Journal of Materials Processing Technology, 2007, 183, 368-373.	6.3	39
3	Synthesis of monoclinic Celsian from Coal Fly Ash by using a one-step solid-state reaction process. Ceramics International, 2010, 36, 661-672.	4.8	35
4	MgO-CaZrO ₃ -based refractories for cement kilns. Journal of the European Ceramic Society, 2011, 31, 61-74.	5.7	32
5	Synthesis and characterization of BaAl ₂ Si ₂ O ₈ using mechanically activated precursor mixtures containing coal fly ash. Journal of the European Ceramic Society, 2013, 33, 3287-3300.	5.7	32
6	The conversion of mineral celestite to strontianite under alkaline hydrothermal conditions. Journal of Physics Condensed Matter, 2004, 16, S1331-S1344.	1.8	31
7	Effect of C content on the mechanical properties of solution treated as-cast ASTM F-75 alloys. Journal of Materials Science: Materials in Medicine, 2005, 16, 607-611.	3.6	25
8	Pozzolanic properties of a geothermal silica waste material. Cement and Concrete Research, 1999, 29, 623-625.	11.0	20
9	Microstructure and mechanical behavior of alumina-zirconia-mullite refractory materials. Ceramics International, 2012, 38, 1617-1625.	4.8	20
10	The effect of surface preoxidation of sintered silicon carbide on its wettability by silver-copper based brazing alloys in vacuo. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 266, 161-166.	5.6	18
11	Effect of roll speed on the magnetic properties of nanocomposite PrFeB magnets prepared by melt-spinning. Journal of Magnetism and Magnetic Materials, 1999, 206, 37-44.	2.3	18
12	Síntesis química de carbonato-hidroxiapatita similar al hueso a partir de cascara de huevo de gallina y su caracterización. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2007, 46, 225-231.	1.9	17
13	Differences on the conversion of celestite in solutions bearing monovalent ions under hydrothermal conditions. Journal of Solid State Chemistry, 2006, 179, 3645-3652.	2.9	15
14	Degradation processes in Al/SiCp/MgAl ₂ O ₄ composites prepared from recycled aluminum with fly ash and rice hull ash. Materials and Corrosion - Werkstoffe Und Korrosion, 2007, 58, 833-840.	1.5	14
15	Urea decomposition enhancing the hydrothermal synthesis of lithium iron phosphate powders: Effect of the lithium precursor. Advanced Powder Technology, 2017, 28, 1593-1602.	4.1	14
16	Surface microstructural evolution of AISI 304L stainless steel oxy-nitrocarburized in a cyanide-free salt bath and its potential application in solar collectors. Surface and Coatings Technology, 2018, 353, 190-198.	4.8	13
17	Wettability of Silica Substrates by Silver-Copper Based Brazing Alloys in Vacuo. Journal of the American Ceramic Society, 2000, 83, 2913-2918.	3.8	12
18	Stability and direct conversion of mineral barite crystals in carbonated hydrothermal fluids. Journal of Materials Science, 2008, 43, 2189-2197.	3.7	12

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19	Rapid hydrothermal synthesis of SrMo _{1-x} W _x O ₄ powders: Structure and luminescence characterization. <i>Advanced Powder Technology</i> , 2017, 28, 629-640.	4.1	10
20	Synthesis and Characterization of Cordierite, Mullite and Cordierite-Mullite Ceramic Materials using Coal Fly Ash as Raw Material. <i>MRS Advances</i> , 2017, 2, 3865-3872.	0.9	9
21	Estudio de un efecto alcalinotÃ©rreo mixto sobre algunas propiedades de vidrios del sistema CaO-MgO-Al ₂ O ₃ -SiO ₂ . <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2007, 46, 153-162.	1.9	8
22	Rapid synthesis of scheelite SrWO ₄ particles using a natural SrSO ₄ ore under alkaline hydrothermal conditions. <i>Hydrometallurgy</i> , 2015, 157, 116-126.	4.3	6
23	Novel route for recycling of steelmaking slag by means of the hydrothermal hot-pressing method. <i>Journal of Materials Science Letters</i> , 2002, 21, 693-695.	0.5	5
24	Influence of mechanical activation on the synthesis of Sr-Celsian employing a precursor mixture containing coal fly ash. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2013, 52, 98-104.	1.9	5
25	Effect of Milling Time on the Physical and Mechanical Properties of Celsian-Mullite Composites Synthesized from Coal Fly Ash. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1373, 43.	0.1	4
26	Effect of some organic binders on the mechanical strength of hydroxyapatite-based biocements. <i>MRS Advances</i> , 2018, 3, 3729-3734.	0.9	4
27	Use of mechanical activation to obtain Mg(OH) ₂ from olivine mineral for CO ₂ capture. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2021, 60, 163-174.	1.9	4
28	Interfacial Reaction Mechanism between Molten Ag-Cu-Based Active Brazing Alloys and Untreated or Pre-Oxidized PLS-SiC. <i>MRS Advances</i> , 2019, 4, 3153-3161.	0.9	4
29	High Temperature Chemical Interaction Between SiC Substrates and Ag-Cu Based Liquid Alloys in Vacuo. <i>Materials Science Forum</i> , 2006, 509, 111-116.	0.3	3
30	Rotary-hydrothermal method assisting the conversion of celestine into scheelite SrWO ₄ in alkaline solutions. <i>International Journal of Mineral Processing</i> , 2016, 148, 105-115.	2.6	3
31	In Vitro Bioactivity of AISI 316L Stainless Steel Coated with Hydroxyapatite-Seeded 58S Bioglass. <i>MRS Advances</i> , 2019, 4, 3133-3142.	0.9	3
32	Synthesis of Ba _{0.75} Sr _{0.25} Al ₂ Si ₂ O ₈ -ZrO ₂ Ceramic Composites by Solid State Reaction of Mechanically Activated Precursor Mixtures. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2014, 53, 179-193.	1.9	3
33	Alumina Extraction from Mexican Fly Ash. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1243, 1.	0.1	2
34	Thermal Behavior of Celsian Ceramics Synthesized from Coal Fly Ash. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1373, 19.	0.1	2
35	A Practical Procedure for Measuring Contact Angles in Wettability Studies by the Sessile Drop Method. <i>MRS Advances</i> , 2019, 4, 3143-3152.	0.9	2
36	High Temperature Chemical Interaction Between SiO ₂ Substrates and Ag-Cu Based Liquid Alloys in Vacuo. <i>Materials Science Forum</i> , 2006, 509, 117-122.	0.3	1

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37	Effect of Gradual Substitution of CaO by SrO in Glass-Ceramic Materials of the System SiO ₂ - Al ₂ O ₃ - CaF ₂ - RO (R = Ca, Mg, Sr). Materials Research Society Symposia Proceedings, 2012, 1373, 59.	0.1	1
38	Rheological, Structural and Mechanical Characterization of Monolithic Zircon-Alumina Bodies. Materials Science Forum, 2014, 793, 151-158.	0.3	1
39	The effect of residual stress on mechanical resistance of ZrSiO ₄ /Al ₂ O ₃ laminates. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2016, 55, 87-94.	1.9	1
40	Effect of Mechanical Activation on the Synthesis of Ba-Celsian and Sr-Celsian using Precursor Mixtures Containing Coal Fly Ash. Materials Research Society Symposia Proceedings, 2016, 1812, 89-94.	0.1	1
41	Effect of Experimental Conditions on the Chemical Composition of Hydroxyapatite Synthesized by Chemical Precipitation. MRS Advances, 2017, 2, 3851-3857.	0.9	1
42	Effect of Mechanical Activation on the Heat of Fusion of a Conventional Batch Used for the Manufacture of Float Glass. MRS Advances, 2019, 4, 3171-3180.	0.9	1
43	Sinterizacin reactiva de mezclas de dolomita mexicana cn. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2005, 44, 245-250.	1.9	1
44	High Temperature Chemical Interaction Between SiO ₂ Substrates and Ag-Cu Based Liquid Alloys in Vacuo. Materials Science Forum, 0, , 117-122.	0.3	1
45	Solid state reaction synthesis of Ba _{0.75} Sr _{0.25} AlSi ₂ O ₈ - Al ₂ O ₃ ceramic composites from mechanically activated precursor mixtures. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2014, 53, 121-132.	1.9	1
46	Microstructure, properties and thermoluminescent response of sintered synthetic topaz (Al ₂ SiO ₄ F _{1.44} (OH) _{0.56})/Al ₂ O ₃ compounds. Materials Today Communications, 2020, 24, 101047.	1.9	1
47	Titanium Coatings on AISI 316L Stainless Steel Formed by Thermal Decomposition of TiH ₂ in Vacuum. Materials Research Society Symposia Proceedings, 2009, 1243, 1.	0.1	0
48	Microstructural Characterization of 316L-Type Stainless Steel Exposed to SiFX Species in Argon Atmosphere. Materials Research Society Symposia Proceedings, 2009, 1242, 1.	0.1	0
49	Thermochemical Method for Coating AISI 316L Stainless Steel with Ti. Materials Research Society Symposia Proceedings, 2009, 1243, 1.	0.1	0
50	Glass-Ceramics of the Wollastonite - Tricalcium Phosphate-Silica System. Materials Research Society Symposia Proceedings, 2009, 1243, 1.	0.1	0
51	Synthesis and Characterization of Glass and Glass-Ceramic Materials of the System SiO ₂ -Fe ₂ O ₃ -BaO-Al ₂ O ₃ . Materials Research Society Symposia Proceedings, 2012, 1373, 37.	0.1	0
52	Effect of mechanical activation on the crystallization and properties of iron-rich glass materials. Materials Research Society Symposia Proceedings, 2012, 1485, 89-94.	0.1	0
53	Class ceramic materials of the SiO ₂ -CaO-MgO-Al ₂ O ₃ system: Structural characterization and fluorine effect. Materials Research Society Symposia Proceedings, 2012, 1485, 47-52.	0.1	0
54	Synthesis and characterization of ceramic composites of the binary system Ba _{0.75} Sr _{0.25} AlSi ₂ O ₈ - Al ₂ O ₃ . Materials Research Society Symposia Proceedings, 2012, 1485, 107-112.	0.1	0

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55	Comparison of CaCO ₃ from Natural Sources and Artificial Carbonates as Activators of Solid-Phase Carburizing of Low-Carbon Steel. <i>Metal Science and Heat Treatment</i> , 2013, 55, 355-357.	0.6	0
56	Ceramic Refractory Compositions with Biosolubility Characteristics. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1765, 71-76.	0.1	0
57	Influence of Glassy Additives on the Formation of Crystalline Phases in Sintered Red Ceramic Bodies. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1765, 77-82.	0.1	0
58	Wollastonite - Tricalcium Phosphate Glass-Ceramics of Eutectic Composition Synthesized by the Glass-Crystallization Method. <i>Materials Research Society Symposia Proceedings</i> , 2016, 1812, 83-88.	0.1	0
59	Synthesis of Glasses and Glass-Ceramics of the System Diopside - Fluorapatite and Characterization of Their in Vitro Bioactivity. <i>MRS Advances</i> , 2017, 2, 3845-3850.	0.9	0
60	Revisiting the Rietveld™ Standardless Method for the Quantitative X-Ray Diffraction Analysis of Mixtures of Inorganic Crystalline Phases. <i>MRS Advances</i> , 2019, 4, 3163-3169.	0.9	0
61	In vitro bioactivity of a glass-ceramic biomaterial with near-eutectic composition of the pseudo-binary system diopside-tricalcium phosphate. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2021, 60, 83-92.	1.9	0
62	Sinterizaci3n por plasma de particulas ultrafinas de cromita de lantano dopado con clacio obtenidas por sntesis hidrotermal. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2006, 45, 271-277.	1.9	0