

Jorge LÃ³pez-Cuevas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	In vitro bioactivity of a glass-ceramic biomaterial with near-eutectic composition of the pseudo-binary system diopside-tricalcium phosphate. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2021, 60, 83-92.	1.9	0
2	Use of mechanical activation to obtain Mg(OH) ₂ from olivine mineral for CO ₂ capture. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2021, 60, 163-174.	1.9	4
3	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
4	Revisiting the Rietveld Standardless Method for the Quantitative X-Ray Diffraction Analysis of Mixtures of Inorganic Crystalline Phases. MRS Advances, 2019, 4, 3163-3169.	0.9	0
5	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
6	In Vitro Bioactivity of AISI 316L Stainless Steel Coated with Hydroxyapatite-Seeded 58S Bioglass. MRS Advances, 2019, 4, 3133-3142.	0.9	3
7	A Practical Procedure for Measuring Contact Angles in Wettability Studies by the Sessile Drop Method. MRS Advances, 2019, 4, 3143-3152.	0.9	2
8	Interfacial Reaction Mechanism between Molten Ag-Cu-Based Active Brazing Alloys and Untreated or Pre-Oxidized PLS-SiC. MRS Advances, 2019, 4, 3153-3161.	0.9	4
9	Effect of some organic binders on the mechanical strength of hydroxyapatite-based biocements. MRS Advances, 2018, 3, 3729-3734.	0.9	4
10	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
11	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
12	Rapid hydrothermal synthesis of SrMo _{1-x} W _x O ₄ powders: Structure and luminescence characterization. Advanced Powder Technology, 2017, 28, 629-640.	4.1	10
13	Synthesis of Glasses and Glass-Ceramics of the System Diopside - Fluorapatite and Characterization of Their in Vitro Bioactivity. MRS Advances, 2017, 2, 3845-3850.	0.9	0
14	Synthesis and Characterization of Cordierite, Mullite and Cordierite-Mullite Ceramic Materials using Coal Fly Ash as Raw Material. MRS Advances, 2017, 2, 3865-3872.	0.9	9
15	Effect of Experimental Conditions on the Chemical Composition of Hydroxyapatite Synthesized by Chemical Precipitation. MRS Advances, 2017, 2, 3851-3857.	0.9	1
16	The effect of residual stress on mechanical resistance of ZrSiO ₄ /Al ₂ O ₃ laminates. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2016, 55, 87-94.	1.9	1
17	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
18	Wollastonite - Tricalcium Phosphate Glass-Ceramics of Eutectic Composition Synthesized by the Glass-Crystallization Method. Materials Research Society Symposia Proceedings, 2016, 1812, 83-88.	0.1	0

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19	Rotary-hydrothermal method assisting the conversion of celestine into scheelite SrWO ₄ in alkaline solutions. International Journal of Mineral Processing, 2016, 148, 105-115.	2.6	3
20	Ceramic Refractory Compositions with Biosolubility Characteristics. Materials Research Society Symposia Proceedings, 2015, 1765, 71-76.	0.1	0
21	Influence of Glassy Additives on the Formation of Crystalline Phases in Sintered Red Ceramic Bodies. Materials Research Society Symposia Proceedings, 2015, 1765, 77-82.	0.1	0
22	Rapid synthesis of scheelite SrWO ₄ particles using a natural SrSO ₄ ore under alkaline hydrothermal conditions. Hydrometallurgy, 2015, 157, 116-126.	4.3	6
23	Rheological, Structural and Mechanical Characterization of Monolithic Zircon-Alumina Bodies. Materials Science Forum, 2014, 793, 151-158.	0.3	1
24	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. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2014, 53, 179-193.	1.9	8
25	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. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2014, 53, 121-132.	1.9	1
26	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
27	Comparison of CaCO ₃ from Natural Sources and Artificial Carbonates as Activators of Solid-Phase Carburizing of Low-Carbon Steel. Metal Science and Heat Treatment, 2013, 55, 355-357.	0.6	0
28	Influence of mechanical activation on the synthesis of Sr-Celsian employing a precursor mixture containing coal fly ash. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2013, 52, 98-104.	1.9	5
29	Effect of Milling Time on the Physical and Mechanical Properties of Celsian-Mullite Composites Synthesized from Coal Fly Ash. Materials Research Society Symposia Proceedings, 2012, 1373, 43.	0.1	4
30	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
31	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
32	Glass 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
33	Thermal Behavior of Celsian Ceramics Synthesized from Coal Fly Ash. Materials Research Society Symposia Proceedings, 2012, 1373, 19.	0.1	2
34	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
35	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
36	Microstructure and mechanical behavior of alumina-zirconia-mullite refractory materials. Ceramics International, 2012, 38, 1617-1625.	4.8	20

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37	MgO-CaZrO ₃ -based refractories for cement kilns. Journal of the European Ceramic Society, 2011, 31, 61-74.	5.7	32
38	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
39	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
40	Microstructural Characterization of 316L-Type Stainless Steel Exposed to SiF ₄ Species in Argon Atmosphere. Materials Research Society Symposia Proceedings, 2009, 1242, 1.	0.1	0
41	Alumina Extraction from Mexican Fly Ash. Materials Research Society Symposia Proceedings, 2009, 1243, 1.	0.1	2
42	Thermochemical Method for Coating AISI 316L Stainless Steel with Ti. Materials Research Society Symposia Proceedings, 2009, 1243, 1.	0.1	0
43	Glass-Ceramics of the Wollastonite - Tricalcium Phosphate-Silica System. Materials Research Society Symposia Proceedings, 2009, 1243, 1.	0.1	0
44	Stability and direct conversion of mineral barite crystals in carbonated hydrothermal fluids. Journal of Materials Science, 2008, 43, 2189-2197.	3.7	12
45	Degradation processes in Al/SiC _p /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
46	Microstructure and impact behavior of Al/SiC _p composites fabricated by pressureless infiltration with different types of SiC _p . Journal of Materials Processing Technology, 2007, 183, 368-373.	6.3	39
47	Estudio de un efecto alcalinotorreo mixto sobre algunas propiedades de vidrios del sistema CaO-MgO-Al ₂ O ₃ -SiO ₂ . Boletín De La Sociedad Espanola De Ceramíca Y Vidrio, 2007, 46, 153-162.	1.9	8
48	Sntesis qumica de carbonato-hidroxiapatita similar al hueso a partir de cascarn de huevo de gallina y su caracterizacin. Boletín De La Sociedad Espanola De Ceramíca Y Vidrio, 2007, 46, 225-231.	1.9	17
49	Limiting the development of Al ₄ C ₃ to prevent degradation of Al/SiC _p composites processed by pressureless infiltration. Composites Science and Technology, 2006, 66, 1056-1062.	7.8	82
50	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
51	High Temperature Chemical Interaction Between SiC Substrates and Ag-Cu Based Liquid Alloys in Vacuo. Materials Science Forum, 2006, 509, 111-116.	0.3	3
52	High Temperature Chemical Interaction Between SiO ₂ Substrates and Ag-Cu Based Liquid Alloys in Vacuo. Materials Science Forum, 2006, 509, 117-122.	0.3	1
53	Sinterizacin por plasma de partículas ultrafinas de cromita de lantano dopado con clacio obtenidas por sntesis hidrotermal. Boletín De La Sociedad Espanola De Ceramíca Y Vidrio, 2006, 45, 271-277.	1.9	0
54	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

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55	Sinterizaci3n reactiva de mezclas de dolomita mexicana 3n. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2005, 44, 245-250.	1.9	1
56	The conversion of mineral celestite to strontianite under alkaline hydrothermal conditions. Journal of Physics Condensed Matter, 2004, 16, S1331-S1344.	1.8	31
57	Novel route for recycling of steelmaking slag by means of the hydrothermal hot-pressing method. Journal of Materials Science Letters, 2002, 21, 693-695.	0.5	5
58	Wettability of Silica Substrates by Silver3Copper Based Brazing Alloys in Vacuo. Journal of the American Ceramic Society, 2000, 83, 2913-2918.	3.8	12
59	The effect of surface preoxidation of sintered silicon carbide on its wettability by silver3copper based brazing alloys in vacuo. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 266, 161-166.	5.6	18
60	Pozzolanic properties of a geothermal silica waste material. Cement and Concrete Research, 1999, 29, 623-625.	11.0	20
61	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
62	High Temperature Chemical Interaction Between SiO2 Substrates and Ag-Cu Based Liquid Alloys in Vacuo. Materials Science Forum, 0, , 117-122.	0.3	1