Maximina Romero

List of Publications by Year
in descending order

103 papers	3,235 citations	136740 32 h-index	161609 54 g-index
105 all docs	105 docs citations	105 times ranked	2273 citing authors

#	Article	IF	Citations
1	Construction and demolition waste as recycled aggregate for environmentally friendly concrete paving. Environmental Science and Pollution Research, 2022, 29, 9826-9840.	2.7	18
2	Sustainable glasses in the SiO2â€“P2O5â€“CaOâ€“K2O system from waste and concentrated solar power. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2022, , .	0.9	3
3	Kinetic study of the transformation of sodalite to nepheline. Journal of the American Ceramic Society, 2022, 105, 4336-4347.	1.9	6
4	Glass Lightweight Aggregates from Glass Cullet and Mining and Food Industry Carbonate Waste. Materials, 2022, 15, 1223.	1.3	1
5	Influence of Unburned Carbon on Environmental-Technical Behaviour of Coal Fly Ash Fired Clay Bricks. Applied Sciences (Switzerland), 2022, 12, 3765.	1.3	6
6	Sustainable Management of Salt Slag. Sustainability, 2022, 14, 4887.	1.6	3
7	Valorization of Al slag in the production of green ceramic tiles: Effect of experimental conditions on microstructure and crystalline phase composition. Journal of the American Ceramic Society, 2021, 104, 776-784.	1.9	7
8	Mullite-Based Ceramics from Mining Waste: A Review. Minerals (Basel, Switzerland), 2021, 11, 332.	0.8	26
9	Waste and Solar Energy: An Eco-Friendly Way for Glass Melting. ChemEngineering, 2021, 5, 16.	1.0	6
10	Recycled Aggregates from Construction and Demolition Waste in the Manufacture of Urban Pavements. Materials, 2021, 14, 6605.	1.3	11
11	Surface and volume crystallization in fluorrichterite based glasses. Journal of Asian Ceramic Societies, 2020, 8, 642-652.	1.0	4
12	Zero-waste process for the transformation of a hazardous aluminum waste into a raw material to obtain zeolites. Journal of Cleaner Production, 2020, 255, 120178.	4.6	39
13	Recycling of industrial wastes for value-added applications in clay-based ceramic products: a global review (2015â€“19). , 2020, , 155-219.		5
14	Influence of heating rate and mechanical activation on the reaction between kaolin and aluminium powder. Journal of the Australian Ceramic Society, 2019, 55, 135-144.	1.1	2
15	Improvement of mechanical and dielectric properties of porcelain insulators using economic raw materials. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2019, 58, 28-37.	0.9	29
16	Influence of the addition of phosphogypsum on some properties of ceramic tiles. Construction and Building Materials, 2018, 175, 588-600.	3.2	41
17	Coal fly ash and steel slag valorisation throughout a vitrification process. International Journal of Environmental Science and Technology, 2018, 15, 1757-1766.	1.8	5
18	Eco-efficient melting of glass frits by concentrated solar energy. Solar Energy, 2018, 174, 321-327.	2.9	7

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19	Crystallisation of nepheline-based glass frits through fast-firing process. Journal of Non-Crystalline Solids, 2017, 470, 53-60.	1.5	13
20	Crystal Growth of Fâ€Phlogopite from Glasses of the SiO₂â€“Al₂O₃â€“MgOâ€“K₂Oâ€“F System. Journal of the American Ceramic Society, 2016, 99, 484-491.	1.9	8
21	Management and Valorisation of Wastes and Co-products from the TiO2 Pigment Industry. Waste and Biomass Valorization, 2016, 7, 899-912.	1.8	3
22	Thermal approach to evaluate the sinteringâ€“crystallization ability in a nephelineâ€“forsterite-based glass-ceramics. Journal of Thermal Analysis and Calorimetry, 2016, 123, 241-248.	2.0	8
23	Glass-forming ability and thermal stability of F-phlogopite-based glasses. Journal of Thermal Analysis and Calorimetry, 2015, 121, 843-853.	2.0	4
24	Technical Characterization of Sintered-Glass Ceramics Derived from Glass Fibers Recovered by Pyrolysis. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	3
25	Devitrification behavior and preferred crystallization mechanism of glasses based on fluorrichterite (Na2CaMg5Si8O22F2) composition. Thermochimica Acta, 2015, 619, 32-40.	1.2	4
26	Relation between the microstructure and technological properties of porcelain stoneware. A review. Materiales De Construccion, 2015, 65, e065.	0.2	46
27	Characterization of a wollastonite glass-ceramic material prepared using sugar cane bagasse ash (SCBA) as one of the raw materials. Materials Characterization, 2014, 98, 209-214.	1.9	36
28	Preliminary studies on the valorization of animal flour ash for the obtainment of active glasses. Ceramics International, 2014, 40, 5619-5628.	2.3	10
29	Development of crystalline phases in sintered glass-ceramics from residual E-glass fibres. Ceramics International, 2014, 40, 2769-2776.	2.3	13
30	Characterisation of the sintering behaviour of Waelz slag from electric arc furnace (EAF) dust recycling for use in the clay ceramics industry. Journal of Environmental Management, 2014, 132, 278-286.	3.8	33
31	Microstructure and technological properties of porcelain stoneware tiles moulded at different pressures and thicknesses. Ceramics International, 2014, 40, 1365-1377.	2.3	35
32	Valorisation of ilmenite mud waste in the manufacture of commercial ceramic. Construction and Building Materials, 2014, 72, 31-40.	3.2	34
33	Synthesis by molten salt method of the AFeO3 system (A=La, Gd) and its structural, vibrational and internal hyperfine magnetic field characterization. Physica B: Condensed Matter, 2014, 443, 90-94.	1.3	61
34	Valorization of sugarcane bagasse ash: Producing glass-ceramic materials. Journal of Environmental Management, 2014, 134, 15-19.	3.8	38
35	Technological properties of glass-ceramic tiles obtained using rice husk ash as silica precursor. Ceramics International, 2013, 39, 5427-5435.	2.3	57
36	Effect of fluorine content on glass stability and the crystallisation mechanism for glasses in the SiO2â€“CaOâ€“K2Oâ€“F system. Journal of Non-Crystalline Solids, 2013, 378, 25-33.	1.5	14

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37	Crystallisation and microstructure of nephelineâ€“forsterite glass-ceramics. Ceramics International, 2013, 39, 2955-2966.	2.3	32
38	Recycling of Glass Fibers from Fiberglass Polyester Waste Composite for the Manufacture of Glass-Ceramic Materials. Journal of Environmental Protection, 2012, 03, 740-747.	0.3	25
39	Understanding the Crystallization Mechanism of a Wollastonite Base Glass Using Isoconversional, <scp>IKP</scp> Methods and Master Plots. Journal of the American Ceramic Society, 2012, 95, 3441-3447.	1.9	10
40	Nucleation and crystallisation kinetics of a Na-fluorrichterite based glass by differential scanning calorimetry (DSC). Journal of Non-Crystalline Solids, 2012, 358, 2741-2748.	1.5	2
41	Effect of moulding pressure on microstructure and technological properties of porcelain stoneware. Ceramics International, 2012, 38, 317-325.	2.3	37
42	Thermolysis of fibreglass polyester composite and reutilisation of the glass fibre residue to obtain a glassâ€“ceramic material. Journal of Analytical and Applied Pyrolysis, 2012, 93, 104-112.	2.6	89
43	Glassâ€“ceramic glazes for ceramic tiles: a review. Journal of Materials Science, 2012, 47, 553-582.	1.7	189
44	Nucleation kinetics of crystalline phases from a kaolinitic body used in the processing of red ceramics. Applied Clay Science, 2011, 52, 165-170.	2.6	14
45	Glass-Ceramic Material from the SiO₂-Al₂O₃-CaO System Using Sugar-Cane Bagasse Ash (SCBA). IOP Conference Series: Materials Science and Engineering, 2011, 18, 112020.	0.3	6
46	Materiales vitrocerÃ¡micos del sistema MgO-Al₂O₃-SiO₂ a partir de ceniza de cÃ¡scara de arroz. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2011, 50, 201-206.	0.9	10
47	Study of mullite formation in porcelain stoneware applying isoconversional and IKP methods. Ceramics International, 2010, 36, 2329-2335.	2.3	8
48	Mullite development on firing in porcelain stoneware bodies. Journal of the European Ceramic Society, 2010, 30, 1599-1607.	2.8	97
49	Effect of microstructure on mechanical properties of porcelain stoneware. Journal of the European Ceramic Society, 2010, 30, 3063-3069.	2.8	89
50	Crystallization of SiO₂â€“CaOâ€“Na₂O Glass Using Sugarcane Bagasse Ash as Silica Source. Journal of the American Ceramic Society, 2010, 93, 450-455.	1.9	33
51	Iron Aluminium Silico-Phosphate Glasses Including U3O8. Materials Research Society Symposia Proceedings, 2009, 1193, 341.	0.1	1
52	Leaching behaviour of a glassy slag and derived glass ceramics from arc plasma vitrification of hospital wastes. Advances in Applied Ceramics, 2009, 108, 67-71.	0.6	15
53	Microwave Vitrification of Model Heavy Metals Carriers From Wastewaters Treatment. Materials Research Society Symposia Proceedings, 2009, 1193, 349.	0.1	1
54	Evolution with Temperature of Crystalline and Amorphous Phases in Porcelain Stoneware. Journal of the American Ceramic Society, 2009, 92, 229-234.	1.9	92

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55	Phase evolution and microstructural characterization of sintered ceramic bodies from contaminated marine sediments. Journal of the European Ceramic Society, 2009, 29, 15-22.	2.8	8
56	Effect of particle size on kinetics crystallization of an iron-rich glass. Journal of Materials Science, 2008, 43, 4135-4142.	1.7	38
57	Effect of firing temperature on sintering of porcelain stoneware tiles. Ceramics International, 2008, 34, 1867-1873.	2.3	199
58	Sintering behaviour of ceramic bodies from contaminated marine sediments. Ceramics International, 2008, 34, 1917-1924.	2.3	73
59	Thermal properties and crystallization of iron phosphate glasses containing up to 25wt% additions of Si-, Al-, Na- and U-oxides. Journal of Non-Crystalline Solids, 2008, 354, 1541-1548.	1.5	26
60	Thermal expansion of slag and fly ash from coal gasification in IGCC power plant. Fuel, 2006, 85, 2352-2358.	3.4	75
61	Kinetic of mullite formation from a porcelain stoneware body for tiles production. Journal of the European Ceramic Society, 2006, 26, 1647-1652.	2.8	87
62	Nucleation and crystal growth of glasses produced by a generic plasma arc-process. Journal of the European Ceramic Society, 2006, 26, 1679-1685.	2.8	28
63	Las escorias de la central tÃ©rmica GICC ELCOGAS como materia prima para la sÃntesis de materiales vitrocerÃ¡micos. Parte 2: SÃntesis y caracterizaciÃ³n de los materiales vitrocerÃ¡micos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2006, 45, 28-32.	0.9	7
64	Characterization of a polypropylene fibered cement composite using ESEM, FESEM and mechanical testing. Construction and Building Materials, 2005, 19, 396-403.	3.2	34
65	Application of sewage sludge in the manufacturing of ceramic tile bodies. Applied Clay Science, 2005, 30, 219-224.	2.6	89
66	FricciÃ³n y desgaste de baldosas cerÃ¡micas de gres de monococciÃ³n y de gres porcelÃ¡nico. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2005, 44, 352-356.	0.9	2
67	VinculaciÃ³n del Instituto Torroja a lo largo de su historia con la investigaciÃ³n en materiales cerÃ¡micos y vÃtreos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2005, 44, 131-134.	0.9	0
68	Development of Mica Glassâ€Ceramic Glazes. Journal of the American Ceramic Society, 2004, 87, 819-823.	1.9	19
69	Thermal behaviour and characterization of an iron aluminum arsenate mineral. Journal of Thermal Analysis and Calorimetry, 2004, 76, 903-911.	2.0	10
70	Microestructura de un material compuesto basado en una matriz de cemento reforzado con fibras de polipropileno. Materiales De Construccion, 2004, 54, 73-82.	0.2	3
71	Crystallisation of a zirconium-based glaze for ceramic tile coatings. Journal of the European Ceramic Society, 2003, 23, 1629-1635.	2.8	42
72	Indentation properties of ZrO2â€“SiO2 coatings on glass substrates. Materials Research Bulletin, 2003, 38, 1635-1644.	2.7	15

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73	Coeficiente de fragilidad como medida mÃ¡s representativa de la resistencia a la abrasiÃ³n de pavimentos cerÃ¡micos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2003, 42, 163-167.	0.9	3
74	New Glasses and Glass-Ceramics by Recycling of Spanish Urban Incinerator Fly Ashes. Key Engineering Materials, 2002, 206-213, 883-886.	0.4	0
75	Effect of iron oxide content on the crystallisation of a diopside glassâ€“ceramic glaze. Journal of the European Ceramic Society, 2002, 22, 883-890.	2.8	73
76	Utilisation of IGCC slag and clay steriles in soft mud bricks (by pressing) for use in building bricks manufacturing.. Waste Management, 2002, 22, 887-891.	3.7	68
77	Thermal and Sintering Characterization of IGCC Slag. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 67, 249-255.	1.4	28
78	Physico-chemical characterization of slag waste coming from GICC thermal power plant. Materials Letters, 2001, 50, 246-250.	1.3	39
79	Recent Advances in New Type of Glass-Ceramics Glazes (GCG) from Natural Raw Materials and by Recycling of Industrial Wastes. Key Engineering Materials, 2001, 206-213, 887-890.	0.4	2
80	Sintering behaviour of pressed red mud wastes from zinc hydrometallurgy. Ceramics International, 2001, 27, 29-37.	2.3	34
81	Use of vitrified urban incinerator waste as raw material for production of sintered glass-ceramics. Materials Research Bulletin, 2001, 36, 383-395.	2.7	68
82	Magnetic properties of glasses with high iron oxide content. Materials Research Bulletin, 2001, 36, 1513-1520.	2.7	20
83	Modified Porcelainized Stoneware Tiles Obtained from Recycling of Granite and MSW Incinerator Fly Ashes. Key Engineering Materials, 2001, 206-213, 847-850.	0.4	3
84	Nucleation and Crystallization of New Glasses from Fly Ash Originating from Thermal Power Plants. Journal of the American Ceramic Society, 2001, 84, 1851-1858.	1.9	31
85	PrevenciÃ³n y eliminaciÃ³n de eflorescencias en la restauraciÃ³n de ladrillos de construcciÃ³n. Materiales De Construccion, 2001, 51, 73-78.	0.2	5
86	La estructura de vidrios de alumino-silicato y de granito para la fabricaciÃ³n de materiales de construcciÃ³n vitrocerÃ¡micos de tipo petrÃºrgico. Materiales De Construccion, 2001, 51, 209-223.	0.2	1
87	Characterization of mullite/ZrO2 toughness ceramic materials microstructure by medium voltage analytical electron microscopy. Materials Characterization, 2000, 45, 117-123.	1.9	1
88	Crystal nucleation and growth in glasses from inorganic wastes from urban incineration. Journal of Non-Crystalline Solids, 2000, 271, 106-118.	1.5	54
89	Crystallization of (Na₂Oâ€“MgO)â€“CaOâ€“Al₂O₃â€“SiO₂ Glassy Systems Formulated from Waste Products. Journal of the American Ceramic Society, 2000, 83, 2515-2520.	1.9	73
90	El proceso de vitrificaciÃ³n/cristalizaciÃ³n controlada aplicado al reciclado de residuos industriales inorgÃ¡nicos. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2000, 39, 155-163.	0.9	19

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91	Fundamentos y clasificaciÃ³n de las eflorescencias en ladrillos de construcciÃ³n. Materiales De Construccion, 2000, 50, 63-69.	0.2	8
92	Development of a new glassâ€“ceramic by means of controlled vitrification and crystallisation of inorganic wastes from urban incineration. Journal of the European Ceramic Society, 1999, 19, 2049-2058.	2.8	122
93	Design, obtainment and properties of glasses and glassâ€“ceramics from coal fly ash. Fuel, 1999, 78, 271-276.	3.4	144
94	Title is missing!. Journal of Materials Science, 1999, 34, 4413-4423.	1.7	59
95	MÃ¶ssbauer effect and X-ray distribution function analysis in complex Na2Oâ€“CaOâ€“ZnOâ€“Fe2O3â€“Al2O3â€“SiO2 glasses and glass-ceramics. Materials Research Bulletin, 1999, 34, 1107-1115.	2.7	6
96	Surface and Bulk Crystallization of Glassâ€Ceramic in the Na₂Oâ€CaOâ€ZnOâ€PbOâ€Fe₂O₃â€Al₂O₃â€SiO2 System Derived from a Goethite Waste. Journal of the American Ceramic Society, 1999, 82, 1313-1317.	1.9	74
97	Preparation and Characterization of New Glasses from the TeO2â€“CdOâ€“Al2O3â€“SiO2 System. Journal of Materials Science Letters, 1998, 17, 1099-1102.	0.5	4
98	Some aspects of crystallization microstructure on new glass-ceramic glazes. Materials Research Bulletin, 1998, 33, 1159-1164.	2.7	32
99	Preparation and properties of high iron oxide content glasses obtained from industrial wastes. Journal of the European Ceramic Society, 1998, 18, 153-160.	2.8	55
100	Microstructural characterization of a goethite waste from zinc hydrometallurgical process. Materials Letters, 1997, 31, 67-73.	1.3	37
101	CaracterizaciÃ³n estructural de vidrios con altos contenidos de Ã³xidos de hierro obtenidos a partir de un residuo de la hidrometalurgia del zinc. Revista De Metalurgia, 1997, 33, 317-323.	0.1	1
102	Los materiales vitrocerÃ¡micos en la construcciÃ³n. Materiales De Construccion, 1996, 46, 91-106.	0.2	15
103	Manufacture of Ceramic Bodies by Using a Mud Waste from the TiO₂ Pigment Industry. Key Engineering Materials, 0, 663, 75-85.	0.4	10