

# Mario Pelino

## List of Publications by Year in descending order

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42  
papers

1,932  
citations

201674

27  
h-index

265206

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical durability of glasses obtained by vitrification of industrial wastes. Waste Management, 2001, 21, 1-9.	7.4	125
2	Crystallization phenomena in iron-rich glasses. Journal of Non-Crystalline Solids, 2001, 281, 139-151.	3.1	114
3	Vitrification of electric arc furnace dusts. Waste Management, 2002, 22, 945-949.	7.4	105
4	Induced crystallization porosity and properties of sintered diopside and wollastonite glass-ceramics. Journal of the European Ceramic Society, 2008, 28, 555-562.	5.7	100
5	Recycling of CRT panel glass as fluxing agent in the porcelain stoneware tile production. Ceramics International, 2008, 34, 1289-1295.	4.8	98
6	Influence of Fe <sup>3+</sup> /Fe <sup>2+</sup> Ratio on the Crystallization of Iron-Rich Glasses Made with Industrial Wastes. Journal of the American Ceramic Society, 2000, 83, 3153-3157.	3.8	97
7	Microstructure and Humidity-Sensitive Characteristics of alpha-Fe <sub>2</sub> O <sub>3</sub> Ceramic Sensor. Journal of the American Ceramic Society, 1992, 75, 546-551.	3.8	95
8	Sintered glass-ceramics from Municipal Solid Waste-incinerator fly ashes—part I: the influence of the heating rate on the sinter-crystallisation. Journal of the European Ceramic Society, 2003, 23, 827-832.	5.7	92
9	Evaluation of the degree of crystallisation in glass-ceramics by density measurements. Journal of the European Ceramic Society, 1999, 19, 649-654.	5.7	80
10	Iron-Rich Sintered Glass-Ceramics from Industrial Wastes. Journal of the American Ceramic Society, 1999, 82, 3012-3016.	3.8	66
11	Porous Silica-Coated alpha-Fe <sub>2</sub> O <sub>3</sub> Ceramics for Humidity Measurement at Elevated Temperature. Journal of the American Ceramic Society, 1996, 79, 927-937.	3.8	65
12	The effect of Cr <sub>2</sub> O <sub>3</sub> as a nucleating agent in iron-rich glass-ceramics. Journal of the European Ceramic Society, 1999, 19, 2641-2645.	5.7	62
13	Properties of sintered glass-ceramics in the diopside–albite system. Ceramics International, 2004, 30, 2129-2135.	4.8	53
14	Sintered glass-ceramics from incinerator fly ashes. Part II. The influence of the particle size and heat-treatment on the properties. Journal of the European Ceramic Society, 2003, 23, 1609-1615.	5.7	52
15	Vitrification of copper flotation waste. Journal of Hazardous Materials, 2007, 140, 333-339.	12.4	52
16	Treatment and recycling of goethite waste arising from the hydrometallurgy of zinc. Hydrometallurgy, 1996, 40, 25-35.	4.3	49
17	The crystallisation kinetics of iron rich glass in different atmospheres. Journal of the European Ceramic Society, 2000, 20, 2233-2237.	5.7	49
18	NO <sub>2</sub> gas sensitivity of sol-gel-derived $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> thin films. Thin Solid Films, 1995, 269, 97-101.	1.8	47

#	ARTICLE	IF	CITATIONS
19	FTIR spectroscopy investigation of the crystallisation process in an iron rich glass. Journal of the European Ceramic Society, 2005, 25, 1855-1861.	5.7	42
20	Sintering behaviour of a glass obtained from MSWI ash. Journal of the European Ceramic Society, 2005, 25, 1531-1540.	5.7	42
21	Sinter-crystallisation in the diopside–albite system. Journal of the European Ceramic Society, 2006, 26, 2511-2517.	5.7	39
22	Kinetics of phase formation in jarosite glass-ceramic. Journal of the European Ceramic Society, 1999, 19, 527-533.	5.7	38
23	Sintered glass ceramic composites from vitrified municipal solid waste bottom ashes. Journal of Hazardous Materials, 2006, 137, 138-143.	12.4	36
24	The effect of fired scrap addition on the sintering behaviour of hard porcelain. Ceramics International, 2006, 32, 727-732.	4.8	32
25	Electronic states and nature of bonding in the molecule YC by all electron ab initio multiconfiguration self-consistent field calculations and mass spectrometric equilibrium experiments. Journal of Chemical Physics, 1992, 97, 9240-9248.	3.0	31
26	Sinter-crystallization in the diopside–albite system. Journal of the European Ceramic Society, 2006, 26, 2519-2526.	5.7	29
27	Sinter-crystallization of a glass obtained from basaltic tuffs. Journal of Non-Crystalline Solids, 2008, 354, 290-295.	3.1	29
28	Structure, chemical durability and crystallization behavior of incinerator-based glassy systems. Journal of Non-Crystalline Solids, 2008, 354, 521-528.	3.1	29
29	Thermal expansion investigation of iron rich glass-ceramic. Journal of the European Ceramic Society, 2008, 28, 3021-3026.	5.7	23
30	Thermodynamic stability of the molecules YC <sub>2</sub> , YC <sub>3</sub> , YC <sub>4</sub> , YC <sub>5</sub> , YC <sub>6</sub> , YC <sub>7</sub> , and YC <sub>8</sub> by high temperature Knudsen effusion mass spectrometry. Journal of Chemical Physics, 1988, 88, 6534-6539.	3.0	22
31	Sintering in Nitrogen Atmosphere of Iron-Rich Glass-Ceramics. Journal of the American Ceramic Society, 2004, 87, 1354-1357.	3.8	21
32	Influence of the nucleation time-lag on the activation energy in non-isothermal crystallization. Journal of Non-Crystalline Solids, 2001, 290, 173-179.	3.1	19
33	Sintering Behavior and Properties of Iron-Rich Glass-Ceramics. Journal of the American Ceramic Society, 2004, 87, 1571-1574.	3.8	19
34	Characterization of basaltic tuffs and their applications for the production of ceramic and glass-ceramic materials. Ceramics International, 2009, 35, 2789-2795.	4.8	17
35	Extraction of metals from automotive shredder residue: Preliminary results of different leaching systems. Chinese Journal of Chemical Engineering, 2015, 23, 417-424.	3.5	17
36	Thermodynamic study of the gaseous dilanthanum carbides, La <sub>2</sub> C <sub>2</sub> , La <sub>2</sub> C <sub>3</sub> , La <sub>2</sub> C <sub>4</sub> , La <sub>2</sub> C <sub>5</sub> , La <sub>2</sub> C <sub>6</sub> , and La <sub>2</sub> C <sub>8</sub> by high temperature mass spectrometry. Journal of Chemical Physics, 1984, 80, 4478-4483.	3.0	13

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37	Identification and atomization energies of gaseous LaC7 and LaC8 by high-temperature mass spectrometry. Journal of the Chemical Society Faraday Transactions I, 1982, 78, 341.	1.0	10
38	Impedence analysis and circuit simulation of quartz resonator in water at different temperatures. Sensors and Actuators B: Chemical, 1996, 32, 169-173.	7.8	8
39	Microstructural and phase transformations during sintering of a phillipsite rich zeolitic tuff. Ceramics International, 2011, 37, 1843-1850.	4.8	6
40	Reply to "Comment on "Influence of Fe <sup>3+</sup> /Fe <sup>2+</sup> Ratio on the Crystallization of Iron-Rich Glasses Made with Industrial Wastes" Journal of the American Ceramic Society, 2001, 84, 2742-2743.	3.8	4
41	Study of the thermodynamic properties of the TlIr intermetallic molecule. Journal of Chemical Physics, 1989, 90, 1286-1288.	3.0	3
42	Connectivity of pore networks in chemically sensitive materials. Sensors and Actuators B: Chemical, 1995, 25, 865-870.	7.8	2