

# Araceli de Pablos Martin

## List of Publications by Year in descending order

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38  
papers

875  
citations

516710

16  
h-index

477307

29  
g-index

39  
all docs

39  
docs citations

39  
times ranked

553  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the elemental and crystalline phase distribution in Cu <sup>2+</sup> doped 45S5 bioactive glass upon crystallization. CrystEngComm, 2022, 24, 284-293.	2.6	1
2	Crystallization study of sol-gel derived 13-93 bioactive glass powder. Journal of the European Ceramic Society, 2021, 41, 1695-1706.	5.7	17
3	Fluorine loss determination in bioactive glasses by laser-induced breakdown spectroscopy (LIBS). International Journal of Applied Glass Science, 2021, 12, 213-221.	2.0	5
4	Deepening our understanding of bioactive glass crystallization using TEM and 3D nano-CT. Journal of the European Ceramic Society, 2021, 41, 4958-4969.	5.7	15
5	Glass-Ceramics: Improving Glass Properties through Crystallization. Crystals, 2021, 11, 1084.	2.2	0
6	Nano-imaging confirms improved apatite precipitation for high phosphate/silicate ratio bioactive glasses. Scientific Reports, 2021, 11, 19464.	3.3	3
7	Sintered porous glasses hosting luminescent species of different nature: Eu <sup>3+</sup> ions and Tb <sup>3+</sup> -doped Ba <sub>2</sub> TiSi <sub>2</sub> O <sub>8</sub> glass-ceramic powder. Journal of Non-Crystalline Solids, 2020, 531, 119846.	3.1	1
8	Processing technologies for sealing glasses and glass-ceramics. International Journal of Applied Glass Science, 2020, 11, 552-568.	2.0	11
9	New insights into the crystallization process of sol-gel derived 45S5 bioactive glass. Journal of the American Ceramic Society, 2020, 103, 4234-4247.	3.8	28
10	Eu <sup>3+</sup> ions incorporated in sintered porous glasses: Structural and optical characterization. Journal of Non-Crystalline Solids, 2018, 484, 105-110.	3.1	6
11	Eu <sup>3+</sup> -doped Ba <sub>2</sub> TiSi <sub>2</sub> O <sub>8</sub> glass-ceramic powder incorporated in sintered porous glass: Structural and optical characterization. Journal of Non-Crystalline Solids, 2018, 488, 44-51.	3.1	3
12	Nanostructure investigation of Eu <sup>3+</sup> -containing porous silica glasses: Influence of pore size and sintering conditions. Ceramics International, 2018, 44, 14625-14630.	4.8	5
13	Crystallization and optical properties of Tm <sup>3+</sup> /Yb <sup>3+</sup> -co-doped KLaF <sub>4</sub> glass-ceramics. CrystEngComm, 2017, 19, 967-974.	2.6	13
14	High-energy milled, Eu <sup>3+</sup> -doped fresnoite glass-ceramic powders: Structural characterization and luminescent properties. Journal of Non-Crystalline Solids, 2017, 460, 81-89.	3.1	10
15	Laser welding of fused silica glass with sapphire using a non-stoichiometric, fresnoitic Ba <sub>2</sub> TiSi <sub>2</sub> O <sub>8</sub> ·3SiO <sub>2</sub> thin film as an absorber. Optics and Laser Technology, 2017, 92, 85-94.	4.6	10
16	Laser welding of glasses using a nanosecond pulsed Nd:YAG laser. Optics and Lasers in Engineering, 2017, 90, 1-9.	3.8	18
17	Optical Properties of Transparent Glass-Ceramics Containing Er <sup>3+</sup> -Doped Sodium Lutetium Fluoride Nanocrystals. International Journal of Applied Glass Science, 2016, 7, 27-40.	2.0	19
18	Laser soldering of sapphire substrates using a BaTiAl <sub>6</sub> O <sub>12</sub> thin-film glass sealant. Optics and Laser Technology, 2016, 81, 153-161.	4.6	8

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19	Laser-Welded Steel Foils with Sapphire Substrates. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 683-688.	2.9	4
20	Evaluation of the bond quality of laser-joined sapphire wafers using a fresnoite-glass sealant. <i>Microsystem Technologies</i> , 2016, 22, 207-214.	2.0	10
21	Laser-welded fused silica substrates using a luminescent fresnoite-based sealant. <i>Optics and Laser Technology</i> , 2016, 80, 176-185.	4.6	12
22	Crystallization and up-conversion luminescence properties of Er <sup>3+</sup> /Yb <sup>3+</sup> -doped NaYF <sub>4</sub> -based nano-glass-ceramics. <i>Journal of the European Ceramic Society</i> , 2015, 35, 1831-1840.	5.7	35
23	Laser welding of sapphire wafers using a thin-film fresnoite glass solder. <i>Microsystem Technologies</i> , 2015, 21, 1035-1045.	2.0	14
24	Structural Characterization of Laser Bonded Sapphire Wafers Using a Titanium Absorber Thin Film. <i>Journal of Materials Science and Technology</i> , 2015, 31, 484-488.	10.7	8
25	Analysis of the distribution of Tm <sup>3+</sup> ions in LaF <sub>3</sub> containing transparent glass-ceramics through X-ray absorption spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2014, 384, 83-87.	3.1	26
26	Highly textured fresnoite thin films synthesized <i>in situ</i> by pulsed laser deposition with CO <sub>2</sub> laser direct heating. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 034013.	2.8	13
27	Distribution of thulium in Tm <sup>3+</sup> -doped oxyfluoride glasses and glass-ceramics. <i>CrystEngComm</i> , 2013, 15, 6979.	2.6	39
28	KLaF <sub>4</sub> nanocrystallisation in oxyfluoride glass-ceramics. <i>CrystEngComm</i> , 2013, 15, 10323.	2.6	36
29	Effects of Tm <sup>3+</sup> Additions on the Crystallization of LaF <sub>3</sub> Nanocrystals in Oxyfluoride Glasses: Optical Characterization and Up-Conversion. <i>Journal of the American Ceramic Society</i> , 2013, 96, 447-457.	3.8	46
30	Nanocrystallisation in oxyfluoride systems: mechanisms of crystallisation and photonic properties. <i>International Materials Reviews</i> , 2012, 57, 165-186.	19.3	144
31	Crystallisation mechanism of a multicomponent lithium aluminosilicate glass. <i>Materials Chemistry and Physics</i> , 2012, 134, 1001-1006.	4.0	28
32	NMR investigation of the crystallization mechanism of LaF <sub>3</sub> and NaLaF <sub>4</sub> phases in aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1463-1468.	3.1	38
33	Crystallization Kinetics of LaF <sub>3</sub> Nanocrystals in an Oxyfluoride Glass. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2420-2428.	3.8	68
34	Tm <sup>3+</sup> doped oxy-fluoride glass-ceramics containing NaLaF <sub>4</sub> nano-crystals. <i>Optical Materials</i> , 2010, 33, 180-185.	3.6	50
35	Design of oxy-fluoride glass-ceramics containing NaLaF <sub>4</sub> nano-crystals. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 3071-3079.	3.1	73
36	Processing of transparent glass-ceramics by nanocrystallisation of LaF <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , 2009, 29, 2915-2920.	5.7	45

#	ARTICLE	IF	CITATIONS
37	Transparent Nano-Glass-Ceramic for Photonic Applications - Distribution of RE-Doping Elements in the Fluoride Nano-Crystals Analysed by XAS and HR-TEM. <i>Advances in Science and Technology</i> , 0, , .	0.2	8
38	Transparent glass-ceramics: crystallization mechanisms and optical properties. <i>SPIE Newsroom</i> , 0, , .	0.1	4