# Araceli de Pablos Martin

List of Publications by Year
in descending order



| 38 | 875 | 516710 16 | 477307 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 39 | 39 | 39 | 553 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nanocrystallisation in oxyfluoride systems: mechanisms of crystallisation and photonic properties. International Materials Reviews, 2012, 57, 165-186. | 19.3 | 144 |
| 2 | Design of oxy-fluoride glass-ceramics containing NaLaF4 nano-crystals. Journal of Non-Crystalline Solids, 2010, 356, 3071-3079. | 3.1 | 73 |
| 3 | Crystallization Kinetics of LaF3 Nanocrystals in an Oxyfluoride Glass. Journal of the American Ceramic Society, 2011, 94, 2420-2428. | 3.8 | 68 |
| 4 | Tm3+ doped oxy-fluoride glass-ceramics containing NaLaF4 nano-crystals. Optical Materials, 2010, 33, 180-185. | 3.6 | 50 |
| 5 | Effects of <scp><scp>Tm</scp></scp><sup>3+</sup> Additions on the Crystallization of <scp><scp>LaF</scp></scp><sub>3</sub> Nanocrystals in Oxyfluoride Glasses: Optical Characterization and Upâ€Conversion. Journal of the American Ceramic Society, 2013, 96, 447-457. | 3.8 | 46 |
| 6 | Processing of transparent glass-ceramics by nanocrystallisation of LaF3. Journal of the European Ceramic Society, 2009, 29, 2915-2920. | 5.7 | 45 |
| 7 | Distribution of thulium in Tm3+-doped oxyfluoride glasses and glass-ceramics. CrystEngComm, 2013, 15, 6979. | 2.6 | 39 |
| 8 | NMR investigation of the crystallization mechanism of LaF3 and NaLaF4 phases in aluminosilicate glasses. Journal of Non-Crystalline Solids, 2011, 357, 1463-1468. | 3.1 | 38 |
| 9 | KLaF4 nanocrystallisation in oxyfluoride glass-ceramics. CrystEngComm, 2013, 15, 10323. | 2.6 | 36 |
| 10 | Crystallization and up-conversion luminescence properties of Er3+/Yb3+-doped NaYF4-based nano-glass-ceramics. Journal of the European Ceramic Society, 2015, 35, 1831-1840. | 5.7 | 35 |
| 11 | Crystallisation mechanism of a multicomponent lithium alumino-silicate glass. Materials Chemistry and Physics, 2012, 134, 1001-1006. | 4.0 | 28 |
| 12 | New insights into the crystallization process of solâ€gelâ€“derived 45S5 bioactive glass. Journal of the American Ceramic Society, 2020, 103, 4234-4247. | 3.8 | 28 |
| 13 | Analysis of the distribution of Tm3+ ions in LaF3 containing transparent glass-ceramics through X-ray absorption spectroscopy. Journal of Non-Crystalline Solids, 2014, 384, 83-87. | 3.1 | 26 |
| 14 | Optical Properties of Transparent Glassâ€“Ceramics Containing Er<sup>3+</sup>â€Doped Sodium Lutetium Fluoride Nanocrystals. International Journal of Applied Glass Science, 2016, 7, 27-40. | 2.0 | 19 |
| 15 | Laser welding of glasses using a nanosecond pulsed Nd:YAG laser. Optics and Lasers in Engineering, 2017, 90, 1-9. | 3.8 | 18 |
| 16 | Crystallization study of solâ€“gel derived 13-93 bioactive glass powder. Journal of the European Ceramic Society, 2021, 41, 1695-1706. | 5.7 | 17 |
| 17 | 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 |
| 18 | Laser welding of sapphire wafers using a thin-film fresnoite glass solder. Microsystem Technologies, 2015, 21, 1035-1045. | 2.0 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Highly textured fresnoite thin films synthesizedin situby pulsed laser deposition with CO<sub>2</sub>laser direct heating. Journal Physics D: Applied Physics, 2014, 47, 034013. | 2.8 | 13 |
| 20 | 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 |
| 21 | Laser-welded fused silica substrates using a luminescent fresnoite-based sealant. Optics and Laser Technology, 2016, 80, 176-185. | 4.6 | 12 |
| 22 | Processing technologies for sealing glasses and glassâ€ceramics. International Journal of Applied Glass Science, 2020, 11, 552-568. | 2.0 | 11 |
| 23 | Evaluation of the bond quality of laser-joined sapphire wafers using a fresnoite-glass sealant. Microsystem Technologies, 2016, 22, 207-214. | 2.0 | 10 |
| 24 | High-energy milled, Eu3+-doped fresnoite glass-ceramic powders: Structural characterization and luminescent properties. Journal of Non-Crystalline Solids, 2017, 460, 81-89. | 3.1 | 10 |
| 25 | Laser welding of fused silica glass with sapphire using a non- stoichiometric, fresnoitic Ba 2 TiSi 2 O 8 Â·3 SiO 2 thin film as an absorber. Optics and Laser Technology, 2017, 92, 85-94. | 4.6 | 10 |
| 26 | Transparent Nano-Glass-Ceramic for Photonic Applications - Distribution of RE-Doping Elements in the Fluoride Nano-Crystals Analysed by XAS and HR-TEM. Advances in Science and Technology, 0, , . | 0.2 | 8 |
| 27 | Structural Characterization of Laser Bonded Sapphire Wafers Using a Titanium Absorber Thin Film. Journal of Materials Science and Technology, 2015, 31, 484-488. | 10.7 | 8 |
| 28 | Laser soldering of sapphire substrates using a BaTiAl6O12 thin-film glass sealant. Optics and Laser Technology, 2016, 81, 153-161. | 4.6 | 8 |
| 29 | Eu3+ ions incorporated in sintered porous glasses: Structural and optical characterization. Journal of Non-Crystalline Solids, 2018, 484, 105-110. | 3.1 | 6 |
| 30 | Nanostructure investigation of Eu3+-containing porous silica glasses: Influence of pore size and sintering conditions. Ceramics International, 2018, 44, 14625-14630. | 4.8 | 5 |
| 31 | Fluorine loss determination in bioactive glasses by laserâ€induced breakdown spectroscopy (LIBS). International Journal of Applied Glass Science, 2021, 12, 213-221. | 2.0 | 5 |
| 32 | Laser-Welded Steel Foils with Sapphire Substrates. Acta Metallurgica Sinica (English Letters), 2016, 29, 683-688. | 2.9 | 4 |
| 33 | Transparent glass-ceramics: crystallization mechanisms and optical properties. SPIE Newsroom, 0, , . | 0.1 | 4 |
| 34 | Eu3+-doped Ba2TiSi2O8 glass-ceramic powder incorporated in sintered porous glass: Structural and optical characterization. Journal of Non-Crystalline Solids, 2018, 488, 44-51. | 3.1 | 3 |
| 35 | Nano-imaging confirms improved apatite precipitation for high phosphate/silicate ratio bioactive glasses. Scientific Reports, 2021, 11, 19464. | 3.3 | 3 |
| 36 | Sintered porous glasses hosting luminescent species of different nature: Eu3+ ions and Tb3+-doped Ba2TiSi2O8 glass-ceramic powder. Journal of Non-Crystalline Solids, 2020, 531, 119846. | 3.1 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | 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 |
| 38 | Glass-Ceramics: Improving Glass Properties through Crystallization. Crystals, 2021, 11, 1084. | 2.2 | 0 |