

# Joaquin Fernandez

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

777  
citations

393982

19  
h-index

525886

27  
g-index

38  
all docs

38  
docs citations

38  
times ranked

761  
citing authors

| #  | ARTICLE                                                                                                                                                                                                   | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Upconversion luminescence of transparent Er <sup>3+</sup> -doped chalcogenide glass-ceramics. <i>Optical Materials</i> , 2009, 31, 760-764.                                                               | 1.7 | 68        |
| 2  | Ultrafast random laser emission in a dye-doped silica gel powder. <i>Optics Express</i> , 2008, 16, 12251.                                                                                                | 1.7 | 52        |
| 3  | Investigation of site-selective symmetries of Eu <sup>3+</sup> ions in KPb <sub>2</sub> Cl <sub>5</sub> by using optical spectroscopy. <i>Optics Express</i> , 2005, 13, 2141.                            | 1.7 | 42        |
| 4  | Effect of the heat treatment on the spectroscopic properties of Er <sup>3+</sup> -Yb <sup>3+</sup> -doped transparent oxyfluoride nano-glass-ceramics. <i>Journal of Luminescence</i> , 2018, 193, 51-60. | 1.5 | 42        |
| 5  | Transparent Glass-Ceramics Produced by Sol-Gel: A Suitable Alternative for Photonic Materials. <i>Materials</i> , 2018, 11, 212.                                                                          | 1.3 | 42        |
| 6  | Selective excitation in transparent oxyfluoride glass-ceramics doped with Nd <sup>3+</sup> . <i>Journal of the European Ceramic Society</i> , 2017, 37, 1695-1706.                                        | 2.8 | 37        |
| 7  | Temperature-dependent concentration quenching of Nd <sup>3+</sup> fluorescence in fluoride glasses. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 913-924.                                        | 0.7 | 35        |
| 8  | Random lasing in Nd:LuVO <sub>4</sub> crystal powder. <i>Optics Express</i> , 2011, 19, 19591.                                                                                                            | 1.7 | 30        |
| 9  | Real time random laser properties of Rhodamine-doped di-ureasil hybrids. <i>Optics Express</i> , 2010, 18, 7470.                                                                                          | 1.7 | 29        |
| 10 | Random laser properties of Nd <sup>3+</sup> crystal powders. <i>Optics Express</i> , 2018, 26, 11787.                                                                                                     | 1.7 | 29        |
| 11 | Laser action in Nd <sup>3+</sup> -doped lanthanum oxysulfide powders. <i>Optics Express</i> , 2012, 20, 23690.                                                                                            | 1.7 | 26        |
| 12 | Transparent oxyfluoride glass-ceramics with NaGdF <sub>4</sub> nanocrystals doped with Pr <sup>3+</sup> and Pr <sup>3+</sup> -Yb <sup>3+</sup> . <i>Journal of Luminescence</i> , 2018, 193, 61-69.       | 1.5 | 26        |
| 13 | Speckle-free near-infrared imaging using a Nd <sup>3+</sup> random laser. <i>Laser Physics Letters</i> , 2017, 14, 106201.                                                                                | 0.6 | 25        |
| 14 | Optical spectroscopic study of Eu <sup>3+</sup> crystal field sites in Na <sub>3</sub> La <sub>9</sub> O <sub>3</sub> (BO <sub>3</sub> ) <sub>8</sub> crystal. <i>Optics Express</i> , 2008, 16, 2653.    | 1.7 | 22        |
| 15 | Random Laser Action in Nd:YAG Crystal Powder. <i>Materials</i> , 2016, 9, 369.                                                                                                                            | 1.3 | 22        |
| 16 | Site symmetry and host sensitization-dependence of Eu <sup>3+</sup> real time luminescence in tin dioxide nanoparticles. <i>Optics Express</i> , 2018, 26, 16155.                                         | 1.7 | 22        |
| 17 | Diffusive random laser modes under a spatiotemporal scope. <i>Optics Express</i> , 2015, 23, 1456.                                                                                                        | 1.7 | 20        |
| 18 | Oxyfluoride glass-ceramic fibers doped with Nd <sup>3+</sup> : structural and optical characterization. <i>CrystEngComm</i> , 2017, 19, 6620-6629.                                                        | 1.3 | 20        |

| #  | ARTICLE                                                                                                                                                                                                              | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Transparent glass-ceramics of sodium lutetium fluoride co-doped with erbium and ytterbium. Journal of Non-Crystalline Solids, 2018, 501, 136-144.                                                                    | 1.5 | 20        |
| 20 | 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.                           | 1.0 | 19        |
| 21 | On the temporal behavior of Nd <sup>3+</sup> random lasers. Optics Letters, 2013, 38, 3646.                                                                                                                          | 1.7 | 17        |
| 22 | Phase evolution of KLaF <sub>4</sub> nanocrystals and their effects on the photoluminescence of Nd <sup>3+</sup> doped transparent oxyfluoride glass-ceramics. CrystEngComm, 2018, 20, 5760-5771.                    | 1.3 | 17        |
| 23 | Tunable upconversion emission in NaLuF <sub>4</sub> -glass-ceramic fibers doped with Er <sup>3+</sup> and Yb <sup>3+</sup> . RSC Advances, 2019, 9, 31699-31707.                                                     | 1.7 | 17        |
| 24 | Influence of Upconversion Processes in the Optically-Induced Inhomogeneous Thermal Behavior of Erbium-Doped Lanthanum Oxysulfide Powders. Materials, 2016, 9, 353.                                                   | 1.3 | 16        |
| 25 | Site-selective symmetries of Eu <sup>3+</sup> -doped BaTiO <sub>3</sub> ceramics: a structural elucidation by optical spectroscopy. Journal of Materials Chemistry C, 2019, 7, 13976-13985.                          | 2.7 | 12        |
| 26 | Crystal field studies in Eu <sup>3+</sup> doped Bi <sub>12</sub> SiO <sub>20</sub> and Bi <sub>12</sub> SiO <sub>20</sub> :V <sup>5+</sup> single crystals. Journal of Alloys and Compounds, 2001, 323-324, 260-266. | 2.8 | 11        |
| 27 | Random laser action in stoichiometric Nd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> garnet crystal powder. Laser Physics Letters, 2016, 13, 035402.                                                                | 0.6 | 11        |
| 28 | Influence of grain size and Nd <sup>3+</sup> concentration on the stimulated emission of LiLa <sub>1-x</sub> Nd <sub>x</sub> P <sub>4</sub> O <sub>12</sub> crystal powders. Optical Materials, 2017, 63, 46-50.     | 1.7 | 11        |
| 29 | Structural and optical properties in Tm <sup>3+</sup> /Tm <sup>3+</sup> -Yb <sup>3+</sup> doped NaLuF <sub>4</sub> glass-ceramics. International Journal of Applied Glass Science, 2021, 12, 485-496.                | 1.0 | 11        |
| 30 | Input/output energy in solid state dye random lasers. Optics Express, 2019, 27, 19418.                                                                                                                               | 1.7 | 6         |
| 31 | Random laser model for Nd <sup>3+</sup> -doped powders and its application to stimulated emission cross-section calculations. Optics Express, 2018, 26, 31018.                                                       | 1.7 | 5         |
| 32 | Effect of dopant precursors on the optical properties of rare-earths doped oxyfluoride glass-ceramics. Journal of the American Ceramic Society, 2020, 103, 3930-3941.                                                | 1.9 | 4         |
| 33 | Femtosecond laser direct inscription of 3D photonic devices in Er/Yb-doped oxyfluoride nano-glass ceramics. Optical Materials Express, 2020, 10, 2695.                                                               | 1.6 | 4         |
| 34 | Spectro-temporal behavior of dye-based solid-state random lasers under picosecond pumping regime. Optics Express, 2022, 30, 9674.                                                                                    | 1.7 | 4         |
| 35 | SiO <sub>2</sub> -SnO <sub>2</sub> Photonic Glass-Ceramics. , 2019, , .                                                                                                                                              |     | 1         |
| 36 | Structure and luminescent properties of Sm/Dy-doped Sr <sub>2</sub> MgSi <sub>2</sub> O <sub>7</sub> glass-ceramics. International Journal of Applied Glass Science, 2023, 14, 140-154.                              | 1.0 | 1         |

| #  | ARTICLE                                                                                                                           | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Spectro-temporal behavior of dye-based solid-state random lasers under picosecond pumping regime: Part II. Optics Express, 0, , . | 1.7 | 1         |
| 38 | A Simple Model for Dye Based Solid-State Random Lasers. , 2020, , .                                                               |     | 0         |