

# Fãbia Castro Cassanjes

## List of Publications by Year in descending order

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394421

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#	ARTICLE	IF	CITATIONS
1	Blue upconversion enhancement by a factor of 200 in Tm <sup>3+</sup> -doped tellurite glass by codoping with Nd <sup>3+</sup> ions. Journal of Applied Physics, 2002, 92, 6337-6339.	2.5	91
2	Redox Behavior of Molybdenum and Tungsten in Phosphate Glasses. Journal of Physical Chemistry B, 2008, 112, 4481-4487.	2.6	80
3	Red "green" blue upconversion emission and energy-transfer between Tm <sup>3+</sup> and Er <sup>3+</sup> ions in tellurite glasses excited at 1.064 $\mu$ m. Journal of Solid State Chemistry, 2003, 171, 278-281.	2.9	74
4	Blue cooperative luminescence in Yb <sup>3+</sup> -doped tellurite glasses excited at 1.064 $\mu$ m. Journal of Chemical Physics, 2002, 116, 6772-6776.	3.0	43
5	Infrared-to-visible frequency upconversion in Pr <sup>3+</sup> /Yb <sup>3+</sup> - and Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped tellurite glasses. Journal of Alloys and Compounds, 2002, 344, 304-307.	5.5	43
6	Energy upconversion luminescence in neodymium-doped tellurite glass. Journal of Alloys and Compounds, 2002, 346, 282-284.	5.5	39
7	Crystallization of monoclinic WO <sub>3</sub> in tungstate fluorophosphate glasses. Journal of Non-Crystalline Solids, 2009, 355, 441-446.	3.1	38
8	Optical properties and frequency upconversion fluorescence in a Tm <sup>3+</sup> -doped alkali niobium tellurite glass. Journal of Applied Physics, 2003, 93, 3259-3263.	2.5	37
9	Local order around tungsten atoms in tungstate fluorophosphate glasses by X-ray absorption spectroscopy. Journal of Non-Crystalline Solids, 2005, 351, 3644-3648.	3.1	35
10	Crystallization behavior of a barium titanate tellurite glass doped with Eu <sup>3+</sup> and Er <sup>3+</sup> . Optical Materials, 2013, 35, 1141-1145.	3.6	30
11	High niobium oxide content in germanate glasses: Thermal, structural, and optical properties. Journal of the American Ceramic Society, 2018, 101, 220-230.	3.8	29
12	Thermal and spectroscopic properties studies of Er <sup>3+</sup> -doped and Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped niobium germanate glasses for optical applications. Journal of Luminescence, 2019, 205, 487-494.	3.1	29
13	Energy transfer between Tm <sup>3+</sup> and Er <sup>3+</sup> ions in a TeO <sub>2</sub> -based glass pumped at diode laser wavelength. Journal of Non-Crystalline Solids, 2007, 353, 94-101.	3.1	26
14	Thermal, structural and optical properties of new tungsten lead "pyrophosphate glasses. Optical Materials, 2011, 33, 1862-1866.	3.6	25
15	Raman scattering, differential scanning calorimetry and Nd <sup>3+</sup> spectroscopy in alkali niobium tellurite glasses. Journal of Non-Crystalline Solids, 1999, 247, 58-63.	3.1	23
16	Efficient energy upconversion emission in Tm <sup>3+</sup> /Yb <sup>3+</sup> -codoped TeO <sub>2</sub> -based optical glasses excited at 1.064 $\mu$ m. Journal of Applied Physics, 2001, 90, 6550-6552.	2.5	23
17	Er <sup>3+</sup> -doped niobium alkali germanate glasses and glass-ceramics: NIR and visible luminescence properties. Journal of Non-Crystalline Solids, 2019, 521, 119492.	3.1	23
18	Rare-earth ion doped niobium germanate glasses and glass-ceramics for optical device applications. Journal of Luminescence, 2019, 213, 224-234.	3.1	22

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19	High tantalum oxide content in Eu <sup>3+</sup> -doped phosphate glass and glass-ceramics for photonic applications. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155853.	5.5	22
20	Thermal and structural properties of tantalum alkali-phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2014, 402, 44-48.	3.1	21
21	Thermal, Structural, and Crystallization Properties of New Tantalum Alkali-Germanate Glasses. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2086-2093.	3.8	19
22	Time dependence and energy-transfer mechanisms in Tm <sup>3+</sup> , Ho <sup>3+</sup> and Tm <sup>3+</sup> +Ho <sup>3+</sup> co-doped alkali niobium tellurite glasses sensitized by Yb <sup>3+</sup> . <i>Journal of Non-Crystalline Solids</i> , 2001, 284, 217-222.	3.1	15
23	Thermal, Structural and Crystallization Study of Niobium Potassium Phosphate Glasses. <i>Materials Research</i> , 2015, 18, 13-16.	1.3	12
24	Effect of lead fluoride incorporation on the structure and luminescence properties of tungsten sodium phosphate glasses. <i>Optical Materials</i> , 2015, 49, 249-254.	3.6	12
25	Phosphate glasses with high tantalum oxide contents: Thermal, structural and optical properties. <i>Materials Chemistry and Physics</i> , 2020, 239, 121996.	4.0	12
26	Glasses and glass-ceramics in the oxyfluoride ternary system Pb(PO <sub>3</sub> ) <sub>2</sub> -WO <sub>3</sub> -PbF <sub>2</sub> . <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 3345-3350.	3.1	11
27	Thermal, structural and optical properties of new TeO <sub>2</sub> Sb <sub>2</sub> O <sub>3</sub> GeO <sub>2</sub> ternary glasses. <i>Optical Materials</i> , 2016, 62, 95-103.	3.6	11
28	Alkali metal tantalum germanate glasses and glass-ceramics formation. <i>Journal of Non-Crystalline Solids</i> , 2018, 499, 401-407.	3.1	10
29	Transparent glass and glass-ceramic in the binary system NaPO <sub>3</sub> -Ta <sub>2</sub> O <sub>5</sub> . <i>Journal of the American Ceramic Society</i> , 2020, 103, 1647-1655.	3.8	10
30	Crystallization study of molybdate phosphate glasses by thermal analysis. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 2279-2284.	3.1	8
31	Crystallization of Anatase TiO <sub>2</sub> in Niobium Potassium Phosphate Glasses. <i>Materials Research</i> , 2017, 20, 502-508.	1.3	8
32	Multicolor tunable and NIR broadband emission from rare-earth-codoped tantalum germanate glasses and nanostructured glass-ceramics. <i>Journal of Luminescence</i> , 2021, 239, 118357.	3.1	8
33	Structural study of glasses in the binary system NaPO <sub>3</sub> -MoO <sub>3</sub> by X-ray absorption spectroscopy at the Mo K and L <sub>3</sub> edges. <i>Materials Chemistry and Physics</i> , 2010, 120, 501-504.	4.0	7
34	Effect of alkaline modifiers on the structural, optical and crystallization properties of niobium germanate glasses and glass-ceramics. <i>Optical Materials</i> , 2020, 105, 109866.	3.6	7
35	Crystallization in Lead Tungsten Fluorophosphate Glasses. <i>Materials Research</i> , 2015, 18, 228-232.	1.3	5
36	Thermal and structural study of glasses in the binary system TeO <sub>2</sub> -Pb(PO <sub>3</sub> ) <sub>2</sub> . <i>Journal of Non-Crystalline Solids</i> , 2013, 379, 180-184.	3.1	4

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37	Multifunctional possible application of the Er <sup>3+</sup> /Yb <sup>3+</sup> -coped Al <sub>2</sub> O <sub>3</sub> prepared by recyclable precursor (aluminum can) and also by sol-gel process. <i>Optical Materials</i> , 2018, 84, 504-513.	3.6	4
38	Crystallization of bronze-like perovskite in potassium tantalum germanate glasses: Glass ceramic preparation and its optical properties. <i>Optical Materials</i> , 2021, 122, 111803.	3.6	3
39	Spherulitic crystallization of quartz-like GeO <sub>2</sub> and correlated second harmonic generation in sodium tantalum germanate glasses. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160245.	5.5	2