Gael Poirier

List of Publications by Year
in descending order

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Version: 2024-02-01

39 papers	1,086 citations	430874 18 h-index	395702 33 g-index
39 all docs	39 docs citations	39 times ranked	831 citing authors

#	Article	IF	Citations
1	Structural Studies of NaPO₃â˜MoO₃ Glasses by Solid-State Nuclear Magnetic Resonance and Raman Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 10109-10117.	2.6	89
2	Structural studies of NaPO3â€“WO3glasses by solid state NMR and Raman spectroscopy. Journal of Materials Chemistry, 2006, 16, 3277-3284.	6.7	86
3	Structural study of tungstate fluorophosphate glasses by Raman and X-ray absorption spectroscopy. Journal of Solid State Chemistry, 2005, 178, 1533-1538.	2.9	85
4	Redox Behavior of Molybdenum and Tungsten in Phosphate Glasses. Journal of Physical Chemistry B, 2008, 112, 4481-4487.	2.6	80
5	New tungstate fluorophosphate glasses. Journal of Non-Crystalline Solids, 2005, 351, 293-298.	3.1	69
6	Optical spectroscopy and frequency upconversion properties of Tm3+ doped tungstate fluorophosphate glasses. Journal of Applied Physics, 2003, 93, 1493-1497.	2.5	65
7	Bulk photochromism in a tungstate-phosphate glass: A new optical memory material?. Journal of Chemical Physics, 2006, 125, 161101.	3.0	60
8	Excited state dynamics of the Ho3+ ions in holmium singly doped and holmium, praseodymium-codoped fluoride glasses. Journal of Applied Physics, 2007, 101, 123111.	2.5	52
9	Tungstate fluorophosphate glasses as optical limiters. Journal of Applied Physics, 2002, 91, 10221.	2.5	45
10	Nonlinear optical absorption of antimony and lead oxyhalide glasses. Applied Physics Letters, 2002, 81, 4694-4696.	3.3	41
11	Crystallization of monoclinic WO3 in tungstate fluorophosphate glasses. Journal of Non-Crystalline Solids, 2009, 355, 441-446.	3.1	38
12	Optical properties and frequency upconversion fluorescence in a Tm3+ -doped alkali niobium tellurite glass. Journal of Applied Physics, 2003, 93, 3259-3263.	2.5	37
13	Photochromic properties of tungstate-based glasses. Solid State Ionics, 2007, 178, 871-875.	2.7	37
14	Copper and lead halogeno-antimoniate glasses. Journal of Non-Crystalline Solids, 2001, 284, 117-122.	3.1	35
15	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
16	Crystallization behavior of a barium titanate tellurite glass doped with Eu3+ and Er3+. Optical Materials, 2013, 35, 1141-1145.	3.6	30
17	Thermal, structural and optical properties of new tungsten leadâ€“pyrophosphate glasses. Optical Materials, 2011, 33, 1862-1866.	3.6	25
18	Thermal and structural properties of tantalum alkali-phosphate glasses. Journal of Non-Crystalline Solids, 2014, 402, 44-48.	3.1	21

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19	Thermal, Structural, and Crystallization Properties of New Tantalum Alkaliâ€Germanate Glasses. Journal of the American Ceramic Society, 2015, 98, 2086-2093.	3.8	19
20	Second Harmonic Generation in Sodium Tantalum Germanate Glasses by Thermal Poling. Journal of Physical Chemistry C, 2019, 123, 26528-26535.	3.1	16
21	Transparent Glasses and Glass-Ceramics in the Ternary System TeO2-Nb2O5-PbF2. Materials, 2021, 14, 317.	2.9	13
22	Structural investigations of tungsten silver phosphate glasses by solid state NMR, vibrational and X-ray absorption near edge spectroscopies. Journal of Non-Crystalline Solids, 2011, 357, 2126-2131.	3.1	12
23	Thermal, Structural and Crystallization Study of Niobium Potassium Phosphate Glasses. Materials Research, 2015, 18, 13-16.	1.3	12
24	Effect of lead fluoride incorporation on the structure and luminescence properties of tungsten sodium phosphate glasses. Optical Materials, 2015, 49, 249-254.	3.6	12
25	Glasses and glass-ceramics in the oxyfluoride ternary system Pb(PO3)2-WO3-PbF2. Journal of Non-Crystalline Solids, 2011, 357, 3345-3350.	3.1	11
26	Structural study of thin films prepared from tungstate glass matrix by Raman and X-ray absorption spectroscopy. Applied Surface Science, 2008, 254, 5552-5556.	6.1	9
27	Structural and optical study of glasses in the TeO2-GeO2-PbF2 ternary system. Journal of Non-Crystalline Solids, 2017, 463, 158-162.	3.1	9
28	Crystallization study of molybdate phosphate glasses by thermal analysis. Journal of Non-Crystalline Solids, 2009, 355, 2279-2284.	3.1	8
29	Multicolor tunable and NIR broadband emission from rare-earth-codoped tantalum germanate glasses and nanostructured glass-ceramics. Journal of Luminescence, 2021, 239, 118357.	3.1	8
30	Structural study of glasses in the binary system NaPO3â€“MoO3 by X-ray absorption spectroscopy at the Mo K and L3 edges. Materials Chemistry and Physics, 2010, 120, 501-504.	4.0	7
31	Optical properties and energy transfer processes in (Tm3+, Nd3+) doped tungstate fluorophosphate glass. Journal of Applied Physics, 2006, 99, 113525.	2.5	6
32	Crystallization in Lead Tungsten Fluorophosphate Glasses. Materials Research, 2015, 18, 228-232.	1.3	5
33	Thermal and structural study of glasses in the binary system TeO2â€“Pb(PO3)2. Journal of Non-Crystalline Solids, 2013, 379, 180-184.	3.1	4
34	Glasses on the Nanoscale. , 2013, , 665-692.		3
35	Spherulitic crystallization of quartz-like GeO2 and correlated second harmonic generation in sodium tantalum germanate glasses. Journal of Alloys and Compounds, 2021, 877, 160245.	5.5	2
36	Optical limiting behavior of tungstate fluorophosphate glasses. , 2003, 4829, 107.		0

#	Article	IF	Citations
37	Erbium-doped sodium-lead and tungsten-lead metaphosphate glasses for temperature sensing. , 2011, , .		0
38	GLASSY MATERIALS AND LIGHT: PART 1. Quimica Nova, 2016, , .	0.3	0
39	GLASSY MATERIALS AND LIGHT: PART 2. Quimica Nova, 2016, , .	0.3	0