

Guillaume Alombert-Goget

List of Publications by Year in descending order

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docs citations

54
times ranked

954
citing authors

#	ARTICLE	IF	CITATIONS
1	Clustering of rare earth in glasses, aluminum effect: experiments and modeling. Journal of Non-Crystalline Solids, 2004, 348, 44-50.	1.5	122
2	Spectroscopic properties of Er ³⁺ -doped antimony oxide glass. Journal of Alloys and Compounds, 2014, 603, 132-135.	2.8	54
3	Tb ³⁺ /Yb ³⁺ co-activated Silica-Hafnia glass ceramic waveguides. Optical Materials, 2010, 33, 227-230.	1.7	47
4	Up- and down-conversion in Yb ³⁺ -Pr ³⁺ co-doped fluoride glasses and glass ceramics. Journal of Non-Crystalline Solids, 2013, 377, 105-109.	1.5	42
5	Rare-earth-activated glass-ceramic waveguides. Optical Materials, 2010, 32, 1644-1647.	1.7	37
6	Highly transparent Nd:Lu ₂ O ₃ ceramics obtained by coupling slip-casting and spark plasma sintering. Scripta Materialia, 2014, 75, 54-57.	2.6	35
7	Aluminum effect on photoluminescence properties of sol-gel-derived Eu ³⁺ -activated silicate glasses. Journal of Non-Crystalline Solids, 2005, 351, 1754-1758.	1.5	33
8	Multilayered YAG:Yb:YAG ceramics: manufacture and laser performance. Journal of Materials Chemistry C, 2014, 2, 10138-10148.	2.7	33
9	Nd ³⁺ -doped Lu ₂ O ₃ transparent sesquioxide ceramics elaborated by the Spark Plasma Sintering (SPS) method. Part 2: First laser output results and comparison with Nd ³⁺ -doped Lu ₂ O ₃ and Nd ³⁺ -Y ₂ O ₃ ceramics elaborated by a conventional method. Optical Materials, 2015, 41, 12-16.	1.7	33
10	Nd ³⁺ -doped Lu ₂ O ₃ transparent sesquioxide ceramics elaborated by the Spark Plasma Sintering (SPS) method. Part 1: Structural, thermal conductivity and spectroscopic characterization. Optical Materials, 2015, 41, 3-11.	1.7	29
11	Rare earth-activated glass-ceramic in planar format. Optical Engineering, 2011, 50, 071105.	0.5	27
12	Bubbles defects distribution in sapphire bulk crystals grown by Czochralski technique. Optical Materials, 2013, 35, 1071-1076.	1.7	27
13	Assignment of Yb ³⁺ energy levels in the C ₂ and C _{3i} centers of Lu ₂ O ₃ sesquioxide either as ceramics or as crystal. Journal of Luminescence, 2016, 170, 513-519.	1.5	26
14	Effect of Pulling Rate on Bubbles Distribution in Sapphire Crystals Grown by the Micropulling Down (¼-PD) Technique. Crystal Growth and Design, 2012, 12, 4098-4103.	1.4	23
15	Conjugation of TEM-EDX and optical spectroscopy tools for the localization of Yb ³⁺ , Er ³⁺ and Co ²⁺ dopants in laser glass ceramics composed of MgAl ₂ O ₄ spinel nano-crystals embedded in SiO ₂ glass. Journal of Materials Chemistry C, 2014, 2, 9385-9397.	2.7	21
16	Influence of Nd ³⁺ doping on the structural and near-IR photoluminescence properties of nanostructured TiO ₂ films. Energy Procedia, 2011, 10, 167-171.	1.8	17
17	Titanium distribution profiles obtained by luminescence and LIBS measurements on Ti: Al ₂ O ₃ grown by Czochralski and Kyropoulos techniques. Optical Materials, 2017, 65, 28-32.	1.7	17
18	New Er ³⁺ doped antimony oxide based glasses: Thermal analysis, structural and spectral properties. Journal of Alloys and Compounds, 2015, 649, 564-572.	2.8	16

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19	Relationship between structure and optical properties in rare earth-doped hafnium and silicon oxides: Modeling and spectroscopic measurements. Journal of Non-Crystalline Solids, 2008, 354, 4719-4722.	1.5	15
20	Qualitative and quantitative bubbles defects analysis in undoped and Ti-doped sapphire crystals grown by Czochralski technique. Optical Materials, 2014, 37, 132-138.	1.7	15
21	Antimony oxide based glasses, novel laser materials. Optical Materials, 2017, 65, 8-14.	1.7	15
22	Pr ³⁺ and Yb ³⁺ codoped lanthanum fluorozirconate glasses and waveguides for visible laser emission. Journal of Non-Crystalline Solids, 2012, 358, 2695-2700.	1.5	13
23	Large Ti-doped sapphire bulk crystal for high power laser applications. Optical Materials, 2014, 36, 2004-2006.	1.7	12
24	Experimental and numerical effects of active afterheater addition on the growth of langatate (La ₃ Ga _{5.5} Ta _{0.5} O ₁₄) crystals by the Czochralski method. CrystEngComm, 2018, 20, 1110-1115.	1.3	12
25	Lead-free piezoelectric crystals grown by the micro-pulling down technique in the BaTiO ₃ -CaTiO ₃ -BaZrO ₃ system. CrystEngComm, 2019, 21, 3844-3853. ^{1,3}		12
26	Large Ti-doped sapphire single crystals grown by the kyropoulos technique for petawatt power laser application. Optical Materials, 2016, 61, 21-24.	1.7	11
27	Luminescence and coloration of undoped and Ti-doped sapphire crystals grown by Czochralski technique. Journal of Luminescence, 2016, 169, 516-519.	1.5	11
28	Spectroscopy of C3i and C2 sites of Nd ³⁺ -doped Lu ₂ O ₃ sesquioxide either as ceramics or crystal. Journal of Luminescence, 2016, 169, 606-611.	1.5	11
29	Frequency converter layers based on terbium and ytterbium activated HfO ₂ glass-ceramics. Proceedings of SPIE, 2010, , .	0.8	10
30	Er ³⁺ /Yb ³⁺ /Ce ³⁺ Co-Doped Fluoride Glass Ceramics Waveguides for Application in the 1.5 μ m Telecommunication Window. Advances in Science and Technology, 2010, 71, 16-21.	0.2	9
31	Polycrystalline Yb ³⁺ -Er ³⁺ -co-doped YAG: Fabrication, TEM-EDX characterization, spectroscopic properties, and comparison with the single crystal. Journal of Materials Research, 2014, 29, 2288-2296.	1.2	9
32	Thermo optical coefficient of tin-oxide films measured by ellipsometry. Journal of Applied Physics, 2015, 118, .	1.1	9
33	Interface effect on titanium distribution during Ti-doped sapphire crystals grown by the Kyropoulos method. Optical Materials, 2017, 69, 73-80.	1.7	9
34	Thermal and Optical Characterization of Undoped and Neodymium-Doped Y ₃ ScAl ₄ O ₁₂ Ceramics. Journal of Physical Chemistry C, 2014, 118, 13781-13789.	1.5	7
35	Titanium distribution in Ti-sapphire single crystals grown by Czochralski and Verneuil technique. Optical Materials, 2016, 51, 1-4.	1.7	7
36	Scattering defect in large diameter titanium-doped sapphire crystals grown by the Kyropoulos technique. CrystEngComm, 2018, 20, 412-419.	1.3	7

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37	Glass-Ceramic waveguides: Fabrication and properties. , 2010, , .		6
38	Glass-based erbium activated micro-nano photonic structures. , 2009, , .		4
39	Thermally driven dual-frequency Q-switching of Nd:YGd ₂ Sc ₂ Al ₂ GaO ₁₂ ceramic laser. Optics Express, 2014, 22, 10792.	1.7	4
40	Glass-ceramics coating of silica microspheres. , 2009, , .		3
41	Opal-Type Photonic Crystals: Fabrication and Application. Advances in Science and Technology, 0, , .	0.2	3
42	Rare-earth-activated glasses for solar energy conversion. , 2011, , .		3
43	Rare-earth doped materials enhance silicon solar cell efficiency. SPIE Newsroom, 0, , .	0.1	3
44	Erbium-Activated Silica-Hafnia: a Reliable Photonic System. , 2008, , .		2
45	Er ³⁺ -activated photonic structures fabricated by sol-gel and rf-sputtering techniques. , 2009, , .		2
46	Down-converter based on rare earth doped fluoride glass to improve Si-based solar cell efficiency. Proceedings of SPIE, 2011, , .	0.8	2
47	Laser and thermal properties of Nd:YGd ₂ Sc ₂ Al ₂ GaO ₁₂ garnet ceramic. Laser Physics Letters, 2012, 9, 697-703.	0.6	2
48	Rare-earth-activated glass-ceramic waveguides: ideal systems for photonics. SPIE Newsroom, 0, , .	0.1	2
49	Fabrication, assessment, and application of confined structures in photonic glasses. , 2009, , .		1
50	X-ray photoelectron spectroscopy of SiO ₂ -HfO ₂ amorphous and glass-ceramic waveguides: a comparative study. , 2009, , .		1
51	Fabrication and characterization of confined structures for sensing and lasing applications. Proceedings of SPIE, 2010, , .	0.8	1
52	Rare "Earth" Doped Silicate Glass "Ceramic Thin Films for Integrated Optical Devices. Advances in Science and Technology, 0, , .	0.2	1
53	Rare earth doped fluoride glass ceramics: Fabrication of waveguides by PVD and application. , 2009, , .		0
54	Localization of Yb ³⁺ , Er ³⁺ and Co ²⁺ Dopants in an Optical Glass Ceramics of MgAl ₂ O ₄ Spinel Nano-crystals Embedded in SiO ₂ Glass. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 319-341.	0.2	0