

# Ollier Nadège

## List of Publications by Year in descending order

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36  
papers

556  
citations

687220

13  
h-index

642610

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of AIOHC responsible for the radiation-induced darkening in Yb doped fiber. Optics Express, 2013, 21, 8382.	1.7	85
2	Irradiation effects in simplified nuclear waste glasses. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 146-151.	0.6	58
3	Origin of Radiation-Induced Darkening in Yb <sup>3+</sup> /Al <sup>3+</sup> /P <sup>5+</sup> -Doped Silica Glasses: Effect of the P/Al Ratio. Journal of Physical Chemistry B, 2018, 122, 2809-2820.	1.2	48
4	Manipulating refractive index, homogeneity and spectroscopy of Yb <sup>3+</sup> -doped silica-core glass towards high-power large mode area photonic crystal fiber lasers. Optics Express, 2017, 25, 25960.	1.7	38
5	Effects of temperature and flux on oxygen bubble formation in Li borosilicate glass under electron beam irradiation. Journal of Applied Physics, 2006, 99, 073511.	1.1	29
6	Suppression mechanism of radiation-induced darkening by Ce doping in Al/Yb/Ce-doped silica glasses: Evidence from optical spectroscopy, EPR and XPS analyses. Journal of Applied Physics, 2016, 120, .	1.1	27
7	Europium as a luminescent probe of an aluminoborosilicate nuclear glass and its weathering gels. Journal of Luminescence, 2001, 94-95, 197-201.	1.5	24
8	Impact of rare earth element clusters on the excited state lifetime evolution under irradiation in oxide glasses. Optics Express, 2015, 23, 3270.	1.7	22
9	Red luminescence and UV light generation of europium doped zinc oxide thin films for optoelectronic applications. EPJ Applied Physics, 2020, 91, 10501.	0.3	19
10	An Overview of the Thermal Erasure Mechanisms of Femtosecond Laser-Induced Nanogratings in Silica Glass. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100023.	0.8	19
11	Radiation hardening in sol-gel derived Er <sup>3+</sup> -doped silica glasses. Journal of Applied Physics, 2015, 118, .	1.1	18
12	Interplay between photo- and radiation-induced darkening in ytterbium-doped fibers. Optics Letters, 2014, 39, 5969.	1.7	16
13	Relaxation study of pre-densified silica glasses under 2.5 MeV electron irradiation. Scientific Reports, 2019, 9, 1227.	1.6	15
14	U environment in leached SON68 type glass: a coupled XPS and time-resolved photoluminescence spectroscopy study. Optical Materials, 2003, 24, 63-68.	1.7	14
15	Micro-Raman studies on 50keV electron irradiated silicate glass. Journal of Non-Crystalline Solids, 2006, 352, 5337-5343.	1.5	13
16	Influence of impurities on Cr <sup>3+</sup> luminescence properties in Brazilian emerald and alexandrite. European Journal of Mineralogy, 2015, 27, 783-792.	0.4	12
17	RE <sub>2</sub> O <sub>3</sub> -alkaline earth-aluminosilicate fiber glasses: Melt properties, crystallization, and the network structures. Journal of Non-Crystalline Solids, 2018, 492, 115-125.	1.5	12
18	Creation of glass-characteristic point defects in crystalline SiO <sub>2</sub> by 2.5 MeV electrons and by fast neutrons. Journal of Non-Crystalline Solids, 2019, 505, 252-259.	1.5	11

#	ARTICLE	IF	CITATIONS
19	Determination of paramagnetic concentrations inside a diamagnetic matrix using solid-state NMR. Physical Chemistry Chemical Physics, 2017, 19, 12175-12184.	1.3	10
20	Unique silica polymorph obtained under electron irradiation. Applied Physics Letters, 2019, 115, 251101.	1.5	10
21	Binary potassium-silicate glass irradiated with electrons. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3461-3465.	0.6	9
22	Single crystal growth, optical absorption and luminescence properties under VUV-UV synchrotron excitation of type III Ce <sup>3+</sup> :KGd(PO <sub>3</sub> ) <sub>4</sub> , a promising scintillator material. Scientific Reports, 2018, 8, 11002.	1.6	9
23	Radiation hardening of silica glass through fictive temperature reduction. International Journal of Applied Glass Science, 2017, 8, 285-290.	1.0	8
24	Radiation hardening of sol-gel-derived silica fiber preforms through fictive temperature reduction. Applied Optics, 2016, 55, 7455.	2.1	7
25	Spectroscopy of a Bulk GaN Microcavity Grown on Si(111). Japanese Journal of Applied Physics, 2005, 44, 4902-4908.	0.8	6
26	EPR reversible signature of self-trapped holes in fictive temperature-treated silica glass. Journal of Applied Physics, 2018, 123, .	1.1	6
27	Study of Radiation Effects on Er <sup>3+</sup> -Doped Nanoparticles Germano-Silica Fibers. Journal of Lightwave Technology, 2016, 34, 4981-4987.	2.7	3
28	Single crystal growth, optical absorption and luminescence properties under VUV-UV synchrotron excitation of type III Pr <sup>3+</sup> :KGd(PO <sub>3</sub> ) <sub>4</sub> . Scientific Reports, 2020, 10, 6712.	1.6	3
29	Direct Evidence for Trivalent Titanium in Artificially Irradiated (electrons) Oxide Glasses. AIP Conference Proceedings, 2007, , .	0.3	2
30	Tuning Eu <sup>2+</sup> amount and site symmetry in phosphate glasses under irradiation by electron energy and integrated dose. Optical Materials, 2019, 95, 109253.	1.7	2
31	Optical properties of chlorine- and oxygen-related defects in SiO <sub>2</sub> glass and optical fibers. , 2018, , .		1
32	In Situ Optical Extinction Measurement for Locally Control of Surface Plasmon Resonance During Nanosecond Laser Irradiation of Silver Ion Exchanged Silicate Glass. Plasmonics, 2013, 8, 1227-1234.	1.8	0
33	First-Principles Investigation of Paramagnetic Centers in P <sub>2</sub> O <sub>5</sub> Based Glasses. , 2019, , .		0
34	Investigation of radiation resistance of Er <sup>3+</sup> doped germano-silica fibers by means of SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> nanoparticles. , 2016, , .		0
35	Improving optical fiber preform radiation resistance through fictive temperature reduction. , 2016, , .		0
36	Temperature reversible Self-Trapped Holes in fictive temperature-treated silica. , 2018, , .		0