

# Laurent Brilland

## List of Publications by Year in descending order

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49  
papers

1,548  
citations

304743

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414414

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docs citations

49  
times ranked

986  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on Chalcogenide Glass Additive Manufacturing for Shaping Mid-infrared Optical Components and Microstructured Optical Fibers. Crystals, 2021, 11, 228.	2.2	12
2	Mid-infrared hollow core fiber drawn from a 3D printed chalcogenide glass preform. Optical Materials Express, 2021, 11, 198.	3.0	37
3	2â€“10Âµm Mid-Infrared Fiber-Based Supercontinuum Laser Source: Experiment and Simulation. Laser and Photonics Reviews, 2020, 14, 2000011.	8.7	56
4	Purification of Ge-As-Se ternary glasses for the development of high quality microstructured optical fibers. Journal of Non-Crystalline Solids, 2019, 503-504, 84-88.	3.1	22
5	Nanoimprinting and tapering of chalcogenide photonic crystal fibers for cascaded supercontinuum generation. Optics Letters, 2019, 44, 5505.	3.3	15
6	Fabrication of high optical quality Ge-As-Se glasses for the development of low-loss microstructured optical fibers. , 2019, , .		0
7	Frequency Agnostic RF-Photonic Limiter with GeAsSe Tapered Fiber Brillouin Laser. , 2018, , .		1
8	Original designs of chalcogenide microstructured optical fibers. International Journal of Higher Education Management, 2017, 3, 7-13.	1.3	6
9	Chalcogenide microstructured optical fibres for mid-IR applications. Comptes Rendus Physique, 2017, 18, 19-23.	0.9	8
10	Mid-infrared continuous-wave parametric amplification in chalcogenide microstructured fibers. Optica, 2017, 4, 643.	9.3	28
11	Increased mid-infrared supercontinuum bandwidth and average power by tapering large-mode-area chalcogenide photonic crystal fibers. Optics Express, 2017, 25, 15336.	3.4	86
12	Efficient Mid-Infrared Supercontinuum Generation in Tapered Large Mode Area Chalcogenide Photonic Crystal Fibers. , 2017, , .		1
13	Original designs of chalcogenide microstructured optical fibers for mid-IR applications. , 2016, , .		0
14	Highly birefringent chalcogenide optical fiber for polarization-maintaining in the 3-85 Åµm mid-IR window. Optics Express, 2016, 24, 7977.	3.4	40
15	Generation of broadband mid-infrared supercontinuum radiation in cascaded soft-glass fibers. , 2016, , .		1
16	Mid-Infrared Supercontinuum Generation From Cascaded Soft-Glass Fibers. , 2016, , .		2
17	Development of optical fibers for mid-infrared sensing: state of the art and recent achievements. Proceedings of SPIE, 2015, , .	0.8	1
18	Linear and nonlinear optical properties of chalcogenide microstructured optical fibers. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Multi-milliwatt mid-infrared supercontinuum generation in a suspended core chalcogenide fiber. Optics Express, 2015, 23, 3282.	3.4	193
20	Two-Octave Mid-Infrared Supercontinuum Generation in As-Se Suspended Core Fibers. , 2015, , .		1
21	Mid infrared supercontinuum generation from chalcogenide glass waveguides and fibers. , 2015, , .		1
22	Microstructured chalcogenide glass fibers. , 2015, , .		0
23	Photonic Bandgap Propagation in All-Solid Chalcogenide Microstructured Optical Fibers. Materials, 2014, 7, 6120-6129.	2.9	26
24	Thulium pumped mid-infrared 0.9-1.4 μm supercontinuum generation in concatenated fluoride and chalcogenide glass fibers. Optics Express, 2014, 22, 3959.	3.4	126
25	Optical Aging of Chalcogenide Microstructured Optical Fibers. Journal of Lightwave Technology, 2014, 32, 2428-2432.	4.6	32
26	Chalcogenide microstructured optical fibers for chemical sensing. , 2014, , .		1
27	All-solid chalcogenide microstructured optical fibers with photonic band gap propagation. , 2014, , .		0
28	Exposed-core chalcogenide microstructured optical fibers for chemical sensing. , 2013, , .		2
29	Comparison between chalcogenide glass single index and microstructured exposed-core fibers for chemical sensing. Journal of Non-Crystalline Solids, 2013, 377, 217-219.	3.1	29
30	Toward More Coherent Sources Using a Microstructured Chalcogenide Brillouin Fiber Laser. IEEE Photonics Technology Letters, 2013, 25, 238-241.	2.5	19
31	All-solid all-chalcogenide microstructured optical fiber. Optics Express, 2013, 21, 14643.	3.4	46
32	Relative intensity noise and frequency noise of a compact Brillouin laser made of As <sub>38</sub> Se <sub>62</sub> suspended-core chalcogenide fiber. Optics Letters, 2012, 37, 1157.	3.3	33
33	Small core Ge-As-Se microstructured optical fiber with single-mode propagation and low optical losses. Optical Materials Express, 2012, 2, 1359.	3.0	54
34	Linewidth-narrowing and intensity noise reduction of the 2nd order Stokes component of a low threshold Brillouin laser made of Ge <sub>10</sub> As <sub>22</sub> Se <sub>68</sub> chalcogenide fiber. Optics Express, 2012, 20, B104.	3.4	20
35	Wavelength conversion in a highly nonlinear chalcogenide microstructured fiber. Optics Letters, 2012, 37, 4576.	3.3	11
36	Recent advances in very highly nonlinear chalcogenide photonic crystal fibers and their applications. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
37	Nonlinear effects above 2 $\mu\text{m}$ in chalcogenide suspended core microstructured optical fibers: Modeling and experiments. , 2011, , .		0
38	Efficient four-wave mixing in an ultra-highly nonlinear suspended-core chalcogenide As <sub>38</sub> Se <sub>62</sub> fiber. Optics Express, 2011, 19, B653.	3.4	40
39	Chalcogenide Microstructured Optical Fibers for IR Photonics. , 2011, , .		0
40	Chalcogenide glass hollow core photonic crystal fibers. Optical Materials, 2010, 32, 1532-1539.	3.6	51
41	Fabrication of low losses chalcogenide photonic crystal fibers by molding process. Proceedings of SPIE, 2010, , .	0.8	10
42	Demonstration of Nonlinear Effects in an Ultra-Highly Nonlinear AsSe Suspended-Core Chalcogenide Fiber. IEEE Photonics Technology Letters, 2010, 22, 1844-1846.	2.5	22
43	Recent advances in very highly nonlinear chalcogenide photonic crystal fibers and their applications. , 2010, , .		3
44	Casting method for producing low-loss chalcogenide microstructured optical fibers. Optics Express, 2010, 18, 9107.	3.4	125
45	Te-As-Se glass microstructured optical fiber for the middle infrared. Applied Optics, 2009, 48, 3860.	2.1	30
46	Linear and Nonlinear Characterizations of Chalcogenide Photonic Crystal Fibers. Journal of Lightwave Technology, 2009, 27, 1707-1715.	4.6	70
47	Small-core chalcogenide microstructured fibers for the infrared. Applied Optics, 2008, 47, 6014.	2.1	58
48	Interfaces impact on the transmission of chalcogenides photonic crystal fibres. Journal of the Ceramic Society of Japan, 2008, 116, 1024-1027.	1.1	45
49	Fabrication of complex structures of Holey Fibers in Chalcogenide glass. Optics Express, 2006, 14, 1280.	3.4	181