

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

32
g-index

49
all docs

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docs citations

49
times ranked

986
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Multi-milliwatt mid-infrared supercontinuum generation in a suspended core chalcogenide fiber. Optics Express, 2015, 23, 3282. | 3.4 | 193 |
| 2 | Fabrication of complex structures of Holey Fibers in Chalcogenide glass. Optics Express, 2006, 14, 1280. | 3.4 | 181 |
| 3 | Thulium pumped mid-infrared 914m supercontinuum generation in concatenated fluoride and chalcogenide glass fibers. Optics Express, 2014, 22, 3959. | 3.4 | 126 |
| 4 | Casting method for producing low-loss chalcogenide microstructured optical fibers. Optics Express, 2010, 18, 9107. | 3.4 | 125 |
| 5 | 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 |
| 6 | Linear and Nonlinear Characterizations of Chalcogenide Photonic Crystal Fibers. Journal of Lightwave Technology, 2009, 27, 1707-1715. | 4.6 | 70 |
| 7 | Small-core chalcogenide microstructured fibers for the infrared. Applied Optics, 2008, 47, 6014. | 2.1 | 58 |
| 8 | 210µm Mid-Infrared Fiber-Based Supercontinuum Laser Source: Experiment and Simulation. Laser and Photonics Reviews, 2020, 14, 2000011. | 8.7 | 56 |
| 9 | 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 |
| 10 | Chalcogenide glass hollow core photonic crystal fibers. Optical Materials, 2010, 32, 1532-1539. | 3.6 | 51 |
| 11 | All-solid all-chalcogenide microstructured optical fiber. Optics Express, 2013, 21, 14643. | 3.4 | 46 |
| 12 | Interfaces impact on the transmission of chalcogenides photonic crystal fibres. Journal of the Ceramic Society of Japan, 2008, 116, 1024-1027. | 1.1 | 45 |
| 13 | Efficient four-wave mixing in an ultra-highly nonlinear suspended-core chalcogenide As ₃₈ Se ₆₂ fiber. Optics Express, 2011, 19, B653. | 3.4 | 40 |
| 14 | Highly birefringent chalcogenide optical fiber for polarization-maintaining in the 3-85 µm mid-IR window. Optics Express, 2016, 24, 7977. | 3.4 | 40 |
| 15 | Mid-infrared hollow core fiber drawn from a 3D printed chalcogenide glass preform. Optical Materials Express, 2021, 11, 198. | 3.0 | 37 |
| 16 | Relative intensity noise and frequency noise of a compact Brillouin laser made of As ₃₈ Se ₆₂ suspended-core chalcogenide fiber. Optics Letters, 2012, 37, 1157. | 3.3 | 33 |
| 17 | Optical Aging of Chalcogenide Microstructured Optical Fibers. Journal of Lightwave Technology, 2014, 32, 2428-2432. | 4.6 | 32 |
| 18 | Te-As-Se glass microstructured optical fiber for the middle infrared. Applied Optics, 2009, 48, 3860. | 2.1 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Comparison between chalcogenide glass single index and microstructured exposed-core fibers for chemical sensing. <i>Journal of Non-Crystalline Solids</i> , 2013, 377, 217-219. | 3.1 | 29 |
| 20 | Mid-infrared continuous-wave parametric amplification in chalcogenide microstructured fibers. <i>Optica</i> , 2017, 4, 643. | 9.3 | 28 |
| 21 | Photonic Bandgap Propagation in All-Solid Chalcogenide Microstructured Optical Fibers. <i>Materials</i> , 2014, 7, 6120-6129. | 2.9 | 26 |
| 22 | Demonstration of Nonlinear Effects in an Ultra-Highly Nonlinear AsSe Suspended-Core Chalcogenide Fiber. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1844-1846. | 2.5 | 22 |
| 23 | Purification of Ge-As-Se ternary glasses for the development of high quality microstructured optical fibers. <i>Journal of Non-Crystalline Solids</i> , 2019, 503-504, 84-88. | 3.1 | 22 |
| 24 | Linewidth-narrowing and intensity noise reduction of the 2nd order Stokes component of a low threshold Brillouin laser made of Ge ₁₀ As ₂₂ Se ₆₈ chalcogenide fiber. <i>Optics Express</i> , 2012, 20, B104. | 3.4 | 20 |
| 25 | Toward More Coherent Sources Using a Microstructured Chalcogenide Brillouin Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 238-241. | 2.5 | 19 |
| 26 | Nanoimprinting and tapering of chalcogenide photonic crystal fibers for cascaded supercontinuum generation. <i>Optics Letters</i> , 2019, 44, 5505. | 3.3 | 15 |
| 27 | Investigation on Chalcogenide Glass Additive Manufacturing for Shaping Mid-infrared Optical Components and Microstructured Optical Fibers. <i>Crystals</i> , 2021, 11, 228. | 2.2 | 12 |
| 28 | Wavelength conversion in a highly nonlinear chalcogenide microstructured fiber. <i>Optics Letters</i> , 2012, 37, 4576. | 3.3 | 11 |
| 29 | Fabrication of low losses chalcogenide photonic crystal fibers by molding process. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 10 |
| 30 | Chalcogenide microstructured optical fibres for mid-IR applications. <i>Comptes Rendus Physique</i> , 2017, 18, 19-23. | 0.9 | 8 |
| 31 | Original designs of chalcogenide microstructured optical fibers. <i>International Journal of Higher Education Management</i> , 2017, 3, 7-13. | 1.3 | 6 |
| 32 | Recent advances in very highly nonlinear chalcogenide photonic crystal fibers and their applications. , 2010, , . | | 3 |
| 33 | Recent advances in very highly nonlinear chalcogenide photonic crystal fibers and their applications. , 2012, , . | | 3 |
| 34 | Exposed-core chalcogenide microstructured optical fibers for chemical sensing. , 2013, , . | | 2 |
| 35 | Mid-Infrared Supercontinuum Generation From Cascaded Soft-Glass Fibers. , 2016, , . | | 2 |
| 36 | Chalcogenide microstructured optical fibers for chemical sensing. , 2014, , . | | 1 |

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|----|--|-----|-----------|
| 37 | Development of optical fibers for mid-infrared sensing: state of the art and recent achievements. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 38 | Two-Octave Mid-Infrared Supercontinuum Generation in As-Se Suspended Core Fibers. , 2015, , . | | 1 |
| 39 | Mid infrared supercontinuum generation from chalcogenide glass waveguides and fibers. , 2015, , . | | 1 |
| 40 | Generation of broadband mid-infrared supercontinuum radiation in cascaded soft-glass fibers. , 2016, , . | | 1 |
| 41 | Frequency Agnostic RF-Photonic Limiter with GeAsSe Tapered Fiber Brillouin Laser. , 2018, , . | | 1 |
| 42 | Efficient Mid-Infrared Supercontinuum Generation in Tapered Large Mode Area Chalcogenide Photonic Crystal Fibers. , 2017, , . | | 1 |
| 43 | Nonlinear effects above 2 µm in chalcogenide suspended core microstructured optical fibers: Modeling and experiments. , 2011, , . | | 0 |
| 44 | Linear and nonlinear optical properties of chalcogenide microstructured optical fibers. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 45 | Original designs of chalcogenide microstructured optical fibers for mid-IR applications. , 2016, , . | | 0 |
| 46 | Chalcogenide Microstructured Optical Fibers for IR Photonics. , 2011, , . | | 0 |
| 47 | All-solid chalcogenide microstructured optical fibers with photonic band gap propagation. , 2014, , . | | 0 |
| 48 | Microstructured chalcogenide glass fibers. , 2015, , . | | 0 |
| 49 | Fabrication of high optical quality Ge-As-Se glasses for the development of low-loss microstructured optical fibers. , 2019, , . | | 0 |