# Jonas H OsÃ³rio

List of Publications by Year
in descending order



| 50 | 500 | 686830 13 | 713013 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 50 | 50 | 50 | 615 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Near- and middle-ultraviolet reconfigurable Raman source using a record-low UV/visible transmission loss inhibited-coupling hollow-core fiber. Optics and Laser Technology, 2022, 147, 107678. | 2.2 | 11 |
| 2 | Distributed Pressure Sensing Using an Embedded-Core Capillary Fiber and Optical Frequency Domain Reflectometry. IEEE Sensors Journal, 2021, 21, 360-365. | 2.4 | 7 |
| 3 | Ultra-compact 266-289 nm pair source for DIAL LIDAR based on hollow-core photonic crystal fiber. , 2021, , . | | 0 |
| 4 | Single-mode inhibited-coupling fiber for sub-Doppler spectroscopy. , 2021, , . | | 0 |
| 5 | Design and fabrication of a single-mode and ultra-low loss hollow-core fiber based on Kagome-tubular hybrid lattice. , 2021, , . | | 0 |
| 6 | Azimuthally asymmetric tubular lattice hollow-core optical fiber. Journal of the Optical Society of America B: Optical Physics, 2021, 38, F23. | 0.9 | 8 |
| 7 | Exposed-core fiber multimode interference sensor. Results in Optics, 2021, 5, 100125. | 0.9 | 6 |
| 8 | Low-loss single-mode hybrid-lattice hollow-core photonic-crystal fibre. Light: Science and Applications, 2021, 10, 7. | 7.7 | 56 |
| 9 | Singleâ€Step Tabletop Fabrication for Lowâ€Attenuation Terahertz Special Optical Fibers. Advanced Photonics Research, 2021, 2, 2100165. | 1.7 | 2 |
| 10 | Angle-Resolved Hollow-Core Fiber-Based Curvature Sensing Approach. Fibers, 2021, 9, 72. | 1.8 | 7 |
| 11 | Hollow-Core Fibers with Specific Modal Operation and Low Loss in the Short-Wavelength Range. , 2020, , . | | 0 |
| 12 | 3D Printing Technology for Tapered Optical Fiber Protection With Gas Sensing Possibilities. Photonic Sensors, 2020, 10, 298-305. | 2.5 | 3 |
| 13 | Biomechanical behaviour of bulk-fill resin composites in class II restorations. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 98, 255-261. | 1.5 | 31 |
| 14 | Phase Shift Induced Degradation of Polarization Caused by Bends in Inhibited-Coupling Guiding Hollow-Core Fibers. IEEE Photonics Technology Letters, 2019, 31, 1362-1365. | 1.3 | 6 |
| 15 | Recent Advances in Inhibited-Coupling Guiding Hollow-Core Optical Fibers. , 2019, , . | | 0 |
| 16 | Gasoline Quality Sensor Based on Tilted Fiber Bragg Gratings. Photonics, 2019, 6, 51. | 0.9 | 13 |
| 17 | 1-km Hollow-Core Fiber With Loss at the Silica Rayleigh Limit in the Green Spectral Region. IEEE Photonics Technology Letters, 2019, 31, 685-688. | 1.3 | 17 |
| 18 | Tailoring modal properties of inhibited-coupling guiding fibers by cladding modification. Scientific Reports, 2019, 9, 1376. | 1.6 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 355 nm-Laser Pumped Hydrogen UV Raman Comb. , 2019, , . | | 1 |
| 20 | Embedded-core optical fiber for distributed pressure measurement using an autocorrelation OFDR technique. , 2019, , . | | 1 |
| 21 | UV-DUV source based on IC-HCPCF filled with Hydrogen. , 2019, , . | | 3 |
| 22 | Metal-Filled Embedded-Core Capillary Fibers as Highly Sensitive Temperature Sensors. , 2018, 2, 1-4. | | 13 |
| 23 | Minimalist Optical Fiber Design: capillary-like fibers. , 2018, , . | | 0 |
| 24 | Surface-core fibers: plasmonics and sensing. , 2018, , . | | 0 |
| 25 | Mode transformation in an inhibited-coupling guiding asymmetric tubular hollow fiber. , 2018, , . | | 0 |
| 26 | Bragg gratings in surface-core fibers: Refractive index and directional curvature sensing. Optical Fiber Technology, 2017, 34, 86-90. | 1.4 | 41 |
| 27 | Optical sensing with antiresonant capillary fibers. , 2017, , . | | 3 |
| 28 | Simplifying the design of microstructured optical fibre pressure sensors. Scientific Reports, 2017, 7, 2990. | 1.6 | 32 |
| 29 | 3D printed microstructured optical fibers. , 2017, , . | | 11 |
| 30 | Exploring THz hollow-core fiber designs manufactured by 3D printing. , 2017, , . | | 7 |
| 31 | Nano-antennas on tapered fiber: A new and flexible approach. , 2017, , . | | 0 |
| 32 | Integration of bow-tie plasmonic nano-antennas on tapered fibers. Optics Express, 2017, 25, 8986. | 1.7 | 29 |
| 33 | Intensity liquid level sensor based on multimode interference and fiber Bragg grating. Measurement Science and Technology, 2016, 27, 125104. | 1.4 | 22 |
| 34 | Simultaneous measurement of strain, temperature and refractive index based on multimode interference, fiber tapering and fiber Bragg gratings. Measurement Science and Technology, 2016, 27, 075107. | 1.4 | 62 |
| 35 | Determination of Youngâ€™s modulus using optical fiber long-period gratings. Measurement Science and Technology, 2016, 27, 015102. | 1.4 | 2 |
| 36 | In-series fiber Bragg gratings and multimode interferometers for sensing applications. , 2016, , . | | 0 |

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|---|---|---|---|
| 37 | Surface-core fiber gratings. , 2015, , . | | 1 |
| 38 | Hydrostatic pressure sensing with surface-core fibers. , 2015, , . | | 1 |
| 39 | Dual-environment pressure sensor using a photonic-crystal fiber. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 40 | Photonic-crystal fiber-based pressure sensor for dual environment monitoring. Applied Optics, 2014, 53, 3668. | 0.9 | 36 |
| 41 | Application of a photonic crystal fiber LPG for vibration monitoring. , 2013, , . | | 0 |
| 42 | High sensitivity LPG Machâ€“Zehnder sensor for real-time fuel conformity analysis. Measurement Science and Technology, 2013, 24, 015102. | 1.4 | 14 |
| 43 | Optical sensor based on two in-series birefringent optical fibers. Applied Optics, 2013, 52, 4915. | 0.9 | 14 |
| 44 | D-Microfibers. Journal of Lightwave Technology, 2013, 31, 2756-2761. | 2.7 | 22 |
| 45 | Refractometric sensor based on all-fiber coaxial Michelson and Mach-Zehnder interferometers for ethanol detection in fuel. Journal of Physics: Conference Series, 2011, 274, 012020. | 0.3 | 1 |
| 46 | Minimalist Approach for the Design of Microstructured Optical Fiber Sensors. , 0, , . | | 0 |
| 47 | GravaÃ§Ã£o de Redes de Bragg em Fibras Ã“pticas e Estudo de MÃ©todos de InterrogaÃ§Ã£o.. , 0, , . | | 0 |
| 48 | CaracterizaÃ§Ã£o de Acrilonitrila Butadieno Estireno (ABS) como Material Ã“ptico para Manufatura de Fibras Ã“pticas por ImpressÃ£o 3D. , 0, , . | | 0 |
| 49 | Estudo de laser a Fibra Ã“ptica. , 0, , . | | 0 |
| 50 | Fibras Ã“pticas Anti-ressonantes. , 0, , . | | 0 |