

Jonas H Osrio

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

284
citations

11
h-index

16
g-index

50
ext. papers

402
ext. citations

3.1
avg, IF

3.45
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 31 | Simultaneous measurement of strain, temperature and refractive index based on multimode interference, fiber tapering and fiber Bragg gratings. <i>Measurement Science and Technology</i> , 2016 , 27, 075107 | 2 | 33 |
| 30 | Bragg gratings in surface-core fibers: Refractive index and directional curvature sensing. <i>Optical Fiber Technology</i> , 2017 , 34, 86-90 | 2.4 | 29 |
| 29 | Photonic-crystal fiber-based pressure sensor for dual environment monitoring. <i>Applied Optics</i> , 2014 , 53, 3668-72 | 1.7 | 28 |
| 28 | Simplifying the design of microstructured optical fibre pressure sensors. <i>Scientific Reports</i> , 2017 , 7, 29904.9 | 4.9 | 22 |
| 27 | Low-loss single-mode hybrid-lattice hollow-core photonic-crystal fibre. <i>Light: Science and Applications</i> , 2021 , 10, 7 | 16.7 | 22 |
| 26 | Integration of bow-tie plasmonic nano-antennas on tapered fibers. <i>Optics Express</i> , 2017 , 25, 8986-8996 | 3.3 | 20 |
| 25 | D-Microfibers. <i>Journal of Lightwave Technology</i> , 2013 , 31, 2756-2761 | 4 | 17 |
| 24 | Intensity liquid level sensor based on multimode interference and fiber Bragg grating. <i>Measurement Science and Technology</i> , 2016 , 27, 125104 | 2 | 15 |
| 23 | High sensitivity LPG Mach-Zehnder sensor for real-time fuel conformity analysis. <i>Measurement Science and Technology</i> , 2013 , 24, 015102 | 2 | 13 |
| 22 | Biomechanical behaviour of bulk-fill resin composites in class II restorations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 98, 255-261 | 4.1 | 12 |
| 21 | Optical sensor based on two in-series birefringent optical fibers. <i>Applied Optics</i> , 2013 , 52, 4915-21 | 1.7 | 11 |
| 20 | Gasoline Quality Sensor Based on Tilted Fiber Bragg Gratings. <i>Photonics</i> , 2019 , 6, 51 | 2.2 | 9 |
| 19 | 1-km Hollow-Core Fiber With Loss at the Silica Rayleigh Limit in the Green Spectral Region. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 685-688 | 2.2 | 9 |
| 18 | Metal-Filled Embedded-Core Capillary Fibers as Highly Sensitive Temperature Sensors 2018 , 2, 1-4 | | 8 |
| 17 | 3D printed microstructured optical fibers 2017 , | | 8 |
| 16 | Tailoring modal properties of inhibited-coupling guiding fibers by cladding modification. <i>Scientific Reports</i> , 2019 , 9, 1376 | 4.9 | 7 |
| 15 | Phase Shift Induced Degradation of Polarization Caused by Bends in Inhibited-Coupling Guiding Hollow-Core Fibers. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1362-1365 | 2.2 | 3 |

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|----|---|-----|---|
| 14 | Exploring THz hollow-core fiber designs manufactured by 3D printing 2017 , | | 3 |
| 13 | Distributed Pressure Sensing Using an Embedded-Core Capillary Fiber and Optical Frequency Domain Reflectometry. <i>IEEE Sensors Journal</i> , 2021 , 21, 360-365 | 4 | 3 |
| 12 | Exposed-core fiber multimode interference sensor. <i>Results in Optics</i> , 2021 , 5, 100125 | 1 | 3 |
| 11 | 3D Printing Technology for Tapered Optical Fiber Protection With Gas Sensing Possibilities. <i>Photonic Sensors</i> , 2020 , 10, 298-305 | 2.3 | 2 |
| 10 | Optical sensing with antiresonant capillary fibers 2017 , | | 1 |
| 9 | Surface-core fiber gratings 2015 , | | 1 |
| 8 | Hydrostatic pressure sensing with surface-core fibers 2015 , | | 1 |
| 7 | Refractometric sensor based on all-fiber coaxial Michelson and Mach-Zehnder interferometers for ethanol detection in fuel. <i>Journal of Physics: Conference Series</i> , 2011 , 274, 012020 | 0.3 | 1 |
| 6 | Near- and middle-ultraviolet reconfigurable Raman source using a record-low UV/visible transmission loss inhibited-coupling hollow-core fiber. <i>Optics and Laser Technology</i> , 2022 , 147, 107678 | 4.2 | 1 |
| 5 | Embedded-core optical fiber for distributed pressure measurement using an autocorrelation OFDR technique 2019 , | | 1 |
| 4 | Azimuthally asymmetric tubular lattice hollow-core optical fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021 , 38, F23 | 1.7 | 1 |
| 3 | Determination of Young's modulus using optical fiber long-period gratings. <i>Measurement Science and Technology</i> , 2016 , 27, 015102 | 2 | 0 |
| 2 | Angle-Resolved Hollow-Core Fiber-Based Curvature Sensing Approach. <i>Fibers</i> , 2021 , 9, 72 | 3.7 | 0 |
| 1 | Single-Step Tabletop Fabrication for Low-Attenuation Terahertz Special Optical Fibers. <i>Advanced Photonics Research</i> , 2021 , 2, 2100165 | 1.9 | 0 |