

Vittoria Finazzi

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,018
citations

471509

17
h-index

839539

18
g-index

31
all docs

31
docs citations

31
times ranked

1697
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Ultra-low-loss optical fiber nanotapers. <i>Optics Express</i> , 2004, 12, 2258. | 3.4 | 445 |
| 2 | Temperature-insensitive photonic crystal fiber interferometer for absolute strain sensing. <i>Applied Physics Letters</i> , 2007, 91, . | 3.3 | 200 |
| 3 | Mid-IR Supercontinuum Generation From Nonsilica Microstructured Optical Fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007, 13, 738-749. | 2.9 | 181 |
| 4 | Small-core silica holey fibers: nonlinearity and confinement loss trade-offs. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 1427. | 2.1 | 128 |
| 5 | Photonic crystal fiber interferometer for chemical vapor detection with high sensitivity. <i>Optics Express</i> , 2009, 17, 1447. | 3.4 | 127 |
| 6 | Photonic-crystal-fiber-enabled micro-Fabryâ€“Perot interferometer. <i>Optics Letters</i> , 2009, 34, 2441. | 3.3 | 116 |
| 7 | Thermally stabilized PCF-based sensor for temperature measurements up to 1000Â°C. <i>Optics Express</i> , 2009, 17, 21551. | 3.4 | 115 |
| 8 | An embedded optical nanowire loop resonator refractometric sensor. <i>Optics Express</i> , 2008, 16, 1062. | 3.4 | 108 |
| 9 | Solid microstructured optical fiber. <i>Optics Express</i> , 2003, 11, 2225. | 3.4 | 105 |
| 10 | Packaged Optical Sensors Based on Regenerated Fiber Bragg Gratings for High Temperature Applications. <i>IEEE Sensors Journal</i> , 2012, 12, 107-112. | 4.7 | 100 |
| 11 | Understanding bending losses in holey optical fibers. <i>Optics Communications</i> , 2003, 227, 317-335. | 2.1 | 94 |
| 12 | Photonic crystal fiber sensor array based on modes overlapping. <i>Optics Express</i> , 2011, 19, 7596. | 3.4 | 75 |
| 13 | Highly Sensitive Sensors Based on Photonic Crystal Fiber Modal Interferometers. <i>Journal of Sensors</i> , 2009, 2009, 1-11. | 1.1 | 61 |
| 14 | Embedded optical micro/nano-fibers for stable devices. <i>Optics Letters</i> , 2010, 35, 571. | 3.3 | 41 |
| 15 | Fabryâ€“Perot interferometers built by photonic crystal fiber pressurization during fusion splicing. <i>Optics Letters</i> , 2011, 36, 4191. | 3.3 | 35 |
| 16 | Extruded single-mode high-index-core one-dimensional microstructured optical fiber with high index-contrast for highly nonlinear optical devices. <i>Applied Physics Letters</i> , 2005, 87, 081110. | 3.3 | 32 |
| 17 | Low temperature direct growth of graphene patterns on flexible glass substrates catalysed by a sacrificial ultrathin Ni film. <i>Optical Materials Express</i> , 2016, 6, 2487. | 3.0 | 30 |
| 18 | Non-silica microstructured optical fibers for mid-IR supercontinuum generation from 2 μ m - 5 μ m. , 2006, , . | | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Effect of periodic background loss on grating spectra. Applied Optics, 2002, 41, 2240. | 2.1 | 8 |
| 20 | Functional photonic crystal fiber sensing devices. , 2011, , . | | 2 |
| 21 | Two-mode photonic crystal fiber interferometer for sensing applications. , 2007, , . | | 1 |
| 22 | Compact All-Fiber Interrogation Unit for FBG sensors. , 2008, , . | | 1 |
| 23 | High-sensitivity photonic crystal fiber interferometer for chemical vapors detection. , 2009, , . | | 1 |
| 24 | Post-Processed Micro-Structured Optical Fibre Sensors. AIP Conference Proceedings, 2008, , . | 0.4 | 0 |
| 25 | Highly versatile in-reflection photonic crystal fibre interferometer. Proceedings of SPIE, 2009, , . | 0.8 | 0 |
| 26 | Photonic-crystal and optical micro/nano fiber interferometric sensors. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 27 | Evaluation of serial multiplexed photonic crystal fiber interferometric sensors. , 2010, , . | | 0 |
| 28 | Functional Photonic Crystal Fiber Sensing Devices. , 2011, , . | | 0 |
| 29 | Photonic crystal fiber sensor array based on cladding mode resonance. , 2011, , . | | 0 |
| 30 | High-visibility photonic crystal fiber interferometer for ultrasensitive refractometric sensing. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 31 | High sensitivity refractometric sensor based on embedded optical microfiber loop resonator. , 2008, , . | | 0 |