

Cristiano M B Cordeiro

List of Publications by Year in descending order

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67
papers

2,075
citations

257450

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67
all docs

67
docs citations

67
times ranked

1668
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning for sensing with a multimode exposed core fiber specklegram sensor. Optics Express, 2022, 30, 10443.	3.4	18
2	All-optical real-time monitoring of air/vacuum valves in water pipeline systems using fiber Bragg gratings. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	1
3	Measurement of Multiphase Flow by Tilted Optical Fiber Bragg Grating Sensor. IEEE Sensors Journal, 2021, 21, 1534-1539.	4.7	2
4	Hollow Core Inhibited Coupled Antiresonant Terahertz Fiber: A Numerical and Experimental Study. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 245-260.	3.1	24
5	Correction to: "Experimental Study on Glass and Polymers: Determining the Optimal Material for Potential Use in Terahertz Technology". IEEE Access, 2021, 9, 2705-2705.	4.2	0
6	Addendum: Sultana, J., et al. Terahertz Hollow Core Antiresonant Fiber with Metamaterial Cladding. Fibers 2020, 8, 14. Fibers, 2021, 9, 20.	4.0	0
7	Azimuthally asymmetric tubular lattice hollow-core optical fiber. Journal of the Optical Society of America B: Optical Physics, 2021, 38, F23.	2.1	8
8	Single-Step Tabletop Fabrication for Low-Attenuation Terahertz Special Optical Fibers. Advanced Photonics Research, 2021, 2, 2100165.	3.6	2
9	Angle-Resolved Hollow-Core Fiber-Based Curvature Sensing Approach. Fibers, 2021, 9, 72.	4.0	7
10	Exploring Low Loss and Single Mode in Antiresonant Tube Lattice Terahertz Fibers. IEEE Access, 2020, 8, 113309-113317.	4.2	31
11	Ultra-simplified Single-Step Fabrication of Microstructured Optical Fiber. Scientific Reports, 2020, 10, 9678.	3.3	27
12	3D Printing Technology for Tapered Optical Fiber Protection With Gas Sensing Possibilities. Photonic Sensors, 2020, 10, 298-305.	5.0	3
13	Terahertz Hollow Core Antiresonant Fiber with Metamaterial Cladding. Fibers, 2020, 8, 14.	4.0	18
14	Experimental Study on Glass and Polymers: Determining the Optimal Material for Potential Use in Terahertz Technology. IEEE Access, 2020, 8, 97204-97214.	4.2	56
15	Terahertz optical fibers [Invited]. Optics Express, 2020, 28, 16089.	3.4	108
16	Multimode exposed core fiber specklegram sensor. Optics Letters, 2020, 45, 3212.	3.3	30
17	Biomechanical behaviour of bulk-fill resin composites in class II restorations. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 98, 255-261.	3.1	31
18	Broadband Characterization of Glass and Polymer Materials Using THz-TDS. , 2019, , .		15

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19	Gasoline Quality Sensor Based on Tilted Fiber Bragg Gratings. Photonics, 2019, 6, 51.	2.0	13
20	Study of a THz Hollow-core Fiber for Sample Reflectance Analysis. , 2019, , .		0
21	Strain Sensitivity Enhancement of a Sensing Head Based on ZEONEX Polymer FBG in Series With Silica Fiber. Journal of Lightwave Technology, 2018, 36, 5106-5112.	4.6	15
22	Mid-IR Hollow-core microstructured fiber drawn from a 3D printed PETG preform. Scientific Reports, 2018, 8, 8113.	3.3	49
23	3D Printed Hollow-Core Terahertz Fibers. Fibers, 2018, 6, 43.	4.0	76
24	Sensitivity of a PMMA polymer capillary microresonator for measuring relative humidity.. Journal of Physics: Conference Series, 2017, 792, 012050.	0.4	1
25	Multiparameter POF Sensing Based on Multimode Interference and Fiber Bragg Grating. Journal of Lightwave Technology, 2017, 35, 3-9.	4.6	38
26	3D printed microstructured optical fibers. , 2017, , .		11
27	Exploring THz hollow-core fiber designs manufactured by 3D printing. , 2017, , .		7
28	Highly sensitive temperature sensor using a Sagnac loop interferometer based on a side-hole photonic crystal fiber filled with metal. Applied Optics, 2017, 56, 156.	2.1	104
29	Integration of bow-tie plasmonic nano-antennas on tapered fibers. Optics Express, 2017, 25, 8986.	3.4	29
30	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.	2.6	62
31	Surface-core fiber gratings. , 2015, , .		1
32	Morphology dependent polymeric capillary optical resonator hydrostatic pressure sensor. Optics Express, 2015, 23, 10643.	3.4	17
33	Integrated polarizers based on tapered highly birefringent photonic crystal fibers. Optics Express, 2014, 22, 17769.	3.4	4
34	Tapered GRIN fiber microsensors. Optics Express, 2014, 22, 30432.	3.4	10
35	Analysis of immersed silica optical microfiber knot resonator and its application as a moisture sensor. Applied Optics, 2014, 53, 7454.	2.1	27
36	Temperature sensibility of the birefringence properties in side-hole photonic crystal fiber filled with Indium. Applied Physics Letters, 2014, 105, .	3.3	16

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37	Photonic-crystal fiber-based pressure sensor for dual environment monitoring. Applied Optics, 2014, 53, 3668.	1.8	36
38	High sensitivity LPG Mach-Zehnder sensor for real-time fuel conformity analysis. Measurement Science and Technology, 2013, 24, 015102.	2.6	14
39	Second harmonic generation and enhancement in microfibers and loop resonators. Applied Physics Letters, 2013, 102, 201120.	3.3	24
40	D-Microfibers. Journal of Lightwave Technology, 2013, 31, 2756-2761.	4.6	22
41	Large temperature sensitivity of birefringent side-hole photonic crystal fiber filled with Indium. , 2013, , .		1
42	Broadband dispersion compensation using inner cladding modes in photonic crystal fibers. Optics Express, 2012, 20, 3467.	3.4	9
43	Ultra-high-sensitivity temperature fiber sensor based on multimode interference. Applied Optics, 2012, 51, 3236.	1.8	116
44	Multimode interference tapered fiber refractive index sensors. Applied Optics, 2012, 51, 5941.	1.8	70
45	Novel Sealing Technique for Practical Liquid-Core Photonic Crystal Fibers. IEEE Photonics Technology Letters, 2012, 24, 191-193.	2.5	14
46	Curvature and Temperature Discrimination Using Multimode Interference Fiber Optic Structures—A Proof of Concept. Journal of Lightwave Technology, 2012, 30, 3569-3575.	4.6	36
47	Tunable Single-Polarization Single-Mode Microstructured Polymer Optical Fiber. Journal of Lightwave Technology, 2011, 29, 2372-2378.	4.6	5
48	Broadband emission spectra of a PbS-core colloidal quantum dots on the core surface of a silica microstructured fiber. Proceedings of SPIE, 2010, , .	0.8	0
49	Analysis and optimization of an all-fiber device based on photonic crystal fiber with integrated electrodes. Optics Express, 2010, 18, 2842.	3.4	9
50	Ultra-high-birefringent squeezed lattice photonic crystal fiber with rotated elliptical air holes. Optics Letters, 2010, 35, 544.	3.3	69
51	Side-hole photonic crystal fibers. , 2010, , .		0
52	Multiphysics analysis of an all-photonic crystal fiber device. , 2009, , .		0
53	All-fiber devices based on photonic crystal fibers with integrated electrodes. Optics Express, 2009, 17, 1660.	3.4	38
54	Pressure Sensing Based on Nonconventional Air-Guiding Transmission Windows in Hollow-Core Photonic Crystal Fibers. Journal of Lightwave Technology, 2009, 27, 1605-1609.	4.6	17

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55	Supercontinuum generation in a water-core photonic crystal fiber. Optics Express, 2008, 16, 9671.	3.4	123
56	Simple and Temperature-Insensitive Pressure Sensing Based on a Hollow-Core Photonic Crystal Fiber. AIP Conference Proceedings, 2008, , .	0.4	0
57	Effect of Coupling between Fundamental and Cladding Modes on Bending Losses in Single-Polarization Single-Mode Photonic Crystal Fiber. AIP Conference Proceedings, 2008, , .	0.4	1
58	Recent Advances on Optical Sensing Using Photonic Crystal Fibers. AIP Conference Proceedings, 2008, , .	0.4	2
59	Modeling Radiation Losses in Microstructured Optical Fibers for Sensing Applications. AIP Conference Proceedings, 2008, , .	0.4	0
60	Theoretical and experimental study of supercontinuum generation in a water-core PCF. AIP Conference Proceedings, 2008, , .	0.4	0
61	Visible to near-infrared continuum generation in a water-core photonic crystal fiber. AIP Conference Proceedings, 2008, , .	0.4	0
62	Slotted microstructured optical fibers. Proceedings of SPIE, 2008, , .	0.8	2
63	Towards practical liquid and gas sensing with photonic crystal fibres: side access to the fibre microstructure and single-mode liquid-core fibre. Measurement Science and Technology, 2007, 18, 3075-3081.	2.6	69
64	Liquid-core, liquid-cladding photonic crystal fibers. Optics Express, 2007, 15, 11207.	3.4	59
65	Opening up optical fibres. Optics Express, 2007, 15, 11843.	3.4	92
66	Lateral access to the holes of photonic crystal fibers "selective filling and sensing applications. Optics Express, 2006, 14, 8403.	3.4	132
67	Microstructured-core optical fibre for evanescent sensing applications. Optics Express, 2006, 14, 13056.	3.4	254