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List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

500
citations

686830

13
h-index

713013

21
g-index

50
all docs

50
docs citations

50
times ranked

615
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.4	62
2	Low-loss single-mode hybrid-lattice hollow-core photonic-crystal fibre. <i>Light: Science and Applications</i> , 2021, 10, 7.	7.7	56
3	Bragg gratings in surface-core fibers: Refractive index and directional curvature sensing. <i>Optical Fiber Technology</i> , 2017, 34, 86-90.	1.4	41
4	Photonic-crystal fiber-based pressure sensor for dual environment monitoring. <i>Applied Optics</i> , 2014, 53, 3668.	0.9	36
5	Simplifying the design of microstructured optical fibre pressure sensors. <i>Scientific Reports</i> , 2017, 7, 2990.	1.6	32
6	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.	1.5	31
7	Integration of bow-tie plasmonic nano-antennas on tapered fibers. <i>Optics Express</i> , 2017, 25, 8986.	1.7	29
8	D-Microfibers. <i>Journal of Lightwave Technology</i> , 2013, 31, 2756-2761.	2.7	22
9	Intensity liquid level sensor based on multimode interference and fiber Bragg grating. <i>Measurement Science and Technology</i> , 2016, 27, 125104.	1.4	22
10	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.	1.3	17
11	Tailoring modal properties of inhibited-coupling guiding fibers by cladding modification. <i>Scientific Reports</i> , 2019, 9, 1376.	1.6	17
12	High sensitivity LPG Mach-Zehnder sensor for real-time fuel conformity analysis. <i>Measurement Science and Technology</i> , 2013, 24, 015102.	1.4	14
13	Optical sensor based on two in-series birefringent optical fibers. <i>Applied Optics</i> , 2013, 52, 4915.	0.9	14
14	Metal-Filled Embedded-Core Capillary Fibers as Highly Sensitive Temperature Sensors. , 2018, 2, 1-4.		13
15	Gasoline Quality Sensor Based on Tilted Fiber Bragg Gratings. <i>Photonics</i> , 2019, 6, 51.	0.9	13
16	3D printed microstructured optical fibers. , 2017, , .		11
17	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.	2.2	11
18	Azimuthally asymmetric tubular lattice hollow-core optical fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, F23.	0.9	8

#	ARTICLE	IF	CITATIONS
19	Exploring THz hollow-core fiber designs manufactured by 3D printing. , 2017, , .		7
20	Distributed Pressure Sensing Using an Embedded-Core Capillary Fiber and Optical Frequency Domain Reflectometry. IEEE Sensors Journal, 2021, 21, 360-365.	2.4	7
21	Angle-Resolved Hollow-Core Fiber-Based Curvature Sensing Approach. Fibers, 2021, 9, 72.	1.8	7
22	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
23	Exposed-core fiber multimode interference sensor. Results in Optics, 2021, 5, 100125.	0.9	6
24	Optical sensing with antiresonant capillary fibers. , 2017, , .		3
25	3D Printing Technology for Tapered Optical Fiber Protection With Gas Sensing Possibilities. Photonic Sensors, 2020, 10, 298-305.	2.5	3
26	UV-DUV source based on IC-HCPCF filled with Hydrogen. , 2019, , .		3
27	Determination of Young's modulus using optical fiber long-period gratings. Measurement Science and Technology, 2016, 27, 015102.	1.4	2
28	Single-Step Tabletop Fabrication for Low-Attenuation Terahertz Special Optical Fibers. Advanced Photonics Research, 2021, 2, 2100165.	1.7	2
29	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
30	Surface-core fiber gratings. , 2015, , .		1
31	Hydrostatic pressure sensing with surface-core fibers. , 2015, , .		1
32	355 nm-Laser Pumped Hydrogen UV Raman Comb. , 2019, , .		1
33	Embedded-core optical fiber for distributed pressure measurement using an autocorrelation OFDR technique. , 2019, , .		1
34	Application of a photonic crystal fiber LPG for vibration monitoring. , 2013, , .		0
35	Dual-environment pressure sensor using a photonic-crystal fiber. Proceedings of SPIE, 2014, , .	0.8	0
36	Nano-antennas on tapered fiber: A new and flexible approach. , 2017, , .		0

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37	Minimalist Optical Fiber Design: capillary-like fibers. , 2018, , .		0
38	Recent Advances in Inhibited-Coupling Guiding Hollow-Core Optical Fibers. , 2019, , .		0
39	Minimalist Approach for the Design of Microstructured Optical Fiber Sensors. , 0, , .		0
40	Hollow-Core Fibers with Specific Modal Operation and Low Loss in the Short-Wavelength Range. , 2020, , .		0
41	Ultra-compact 266-289 nm pair source for DIAL LIDAR based on hollow-core photonic crystal fiber. , 2021, , .		0
42	Single-mode inhibited-coupling fiber for sub-Doppler spectroscopy. , 2021, , .		0
43	Design and fabrication of a single-mode and ultra-low loss hollow-core fiber based on Kagome-tubular hybrid lattice. , 2021, , .		0
44	In-series fiber Bragg gratings and multimode interferometers for sensing applications. , 2016, , .		0
45	GravaÃ§Ã£o de Redes de Bragg em Fibras Ã“pticas e Estudo de MÃ©todos de InterrogaÃ§Ã£o.. , 0, , .		0
46	CaracterizaÃ§Ã£o de Acrilonitrila Butadieno Estireno (ABS) como Material Ã“ptico para Manufatura de Fibras Ã“pticas por ImpressÃ£o 3D. , 0, , .		0
47	Estudo de laser a Fibra Ã“ptica. , 0, , .		0
48	Fibras Ã“pticas Anti-ressonantes. , 0, , .		0
49	Surface-core fibers: plasmonics and sensing. , 2018, , .		0
50	Mode transformation in an inhibited-coupling guiding asymmetric tubular hollow fiber. , 2018, , .		0