Yiping Wang

List of Publications by Year
in descending order

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301 papers	7,444 citations	50276 46 h-index	82547 72 g-index
301 all docs	301 docs citations	301 times ranked	3749 citing authors

#	Article	IF	Citations
1	Fusion Splicing Photonic Crystal Fibers and Conventional Single-Mode Fibers: Microhole Collapse Effect. Journal of Lightwave Technology, 2007, 25, 3563-3574.	4.6	236
2	Sub-micron silica diaphragm-based fiber-tip Fabryâ€“Perot interferometer for pressure measurement. Optics Letters, 2014, 39, 2827.	3.3	190
3	Review of long period fiber gratings written by CO2 laser. Journal of Applied Physics, 2010, 108, .	2.5	187
4	Surface plasmon resonance refractive sensor based on silver-coated side-polished fiber. Sensors and Actuators B: Chemical, 2016, 230, 206-211.	7.8	181
5	High-sensitivity strain sensor based on in-fiber improved Fabryâ€“Perot interferometer. Optics Letters, 2014, 39, 2121.	3.3	180
6	Surface plasmon resonance biosensor based on gold-coated side-polished hexagonal structure photonic crystal fiber. Optics Express, 2017, 25, 20313.	3.4	172
7	Intensity modulated refractive index sensor based on optical fiber Michelson interferometer. Sensors and Actuators B: Chemical, 2015, 208, 315-319.	7.8	154
8	Simultaneous measurement of pressure and temperature by employing Fabry-Perot interferometer based on pendant polymer droplet. Optics Express, 2015, 23, 1906.	3.4	138
9	Simultaneous measurement of strain and temperature by employing fiber Mach-Zehnder interferometer. Optics Express, 2014, 22, 1680.	3.4	127
10	Long period gratings in air-core photonic bandgap fibers. Optics Express, 2008, 16, 2784.	3.4	126
11	Highly-sensitive gas pressure sensor using twin-core fiber based in-line Mach-Zehnder interferometer. Optics Express, 2015, 23, 6673.	3.4	121
12	Highly sensitive surface plasmon resonance biosensor based on a low-index polymer optical fiber. Optics Express, 2018, 26, 3988.	3.4	106
13	High-sensitivity strain sensor based on in-fiber rectangular air bubble. Scientific Reports, 2015, 5, 7624.	3.3	100
14	Antiresonant reflecting guidance mechanism in hollow-core fiber for gas pressure sensing. Optics Express, 2016, 24, 27890.	3.4	98
15	Orbital Angular Momentum Mode Converter Based on Helical Long Period Fiber Grating Inscribed by Hydrogenâ€“Oxygen Flame. Journal of Lightwave Technology, 2018, 36, 1683-1688.	4.6	92
16	Intensity measurement bend sensors based on periodically tapered soft glass fibers. Optics Letters, 2011, 36, 558.	3.3	87
17	Two-dimensional vector bending sensor based on seven-core fiber Bragg gratings. Optics Express, 2018, 26, 23770.	3.4	86
18	Asymmetrical in-fiber Mach-Zehnder interferometer for curvature measurement. Optics Express, 2015, 23, 14596.	3.4	82

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19	Label-free detection of bovine serum albumin based on an in-fiber Mach-Zehnder interferometric biosensor. Optics Express, 2017, 25, 17105.	3.4	82
20	Temperature-insensitive refractive index sensor based on in-fiber Michelson interferometer. Sensors and Actuators B: Chemical, 2014, 199, 31-35.	7.8	80
21	Review of Femtosecond-Laser-Inscribed Fiber Bragg Gratings: Fabrication Technologies and Sensing Applications. Photonic Sensors, 2021, 11, 203-226.	5.0	78
22	Ultrasensitive magnetic field sensor based on an in-fiber Machâ€“Zehnder interferometer with a magnetic fluid component. Photonics Research, 2016, 4, 197.	7.0	76
23	Ultrasensitive refractive index sensor based on a Machâ€“Zehnder interferometer created in twin-core fiber. Optics Letters, 2014, 39, 4982.	3.3	72
24	High-order orbital angular momentum mode generator based on twisted photonic crystal fiber. Optics Letters, 2018, 43, 1786.	3.3	71
25	Torsion, Refractive Index, and Temperature Sensors Based on An Improved Helical Long Period Fiber Grating. Journal of Lightwave Technology, 2020, 38, 2504-2510.	4.6	71
26	High-Sensitivity Gas-Pressure Sensor Based on Fiber-Tip PVC Diaphragm Fabryâ€“PÃ©rot Interferometer. Journal of Lightwave Technology, 2017, 35, 4067-4071.	4.6	70
27	Measurement of high pressure and high temperature using a dual-cavity Fabryâ€“Perot interferometer created in cascade hollow-core fibers. Optics Letters, 2018, 43, 6009.	3.3	70
28	Femtosecond Laser Inscription of Fiber Bragg Grating in Twin-Core Few-Mode Fiber for Directional Bend Sensing. Journal of Lightwave Technology, 2017, 35, 4670-4676.	4.6	69
29	Temperature-insensitivity gas pressure sensor based on inflated long period fiber grating inscribed in photonic crystal fiber. Optics Letters, 2015, 40, 1791.	3.3	66
30	In-fiber polarizer based on a long-period fiber grating written on photonic crystal fiber. Optics Letters, 2007, 32, 1035.	3.3	64
31	Towards high sensitivity gas detection with hollow-core photonic bandgap fibers. Optics Express, 2014, 22, 24894.	3.4	64
32	High-sensitivity strain sensor based on inflated long period fiber grating. Optics Letters, 2014, 39, 5463.	3.3	63
33	Long period fiber grating based on periodically screw-type distortions for torsion sensing. Optics Express, 2017, 25, 14308.	3.4	63
34	An Optoelectronic Oscillator for High Sensitivity Temperature Sensing. IEEE Photonics Technology Letters, 2016, 28, 1458-1461.	2.5	62
35	Fiber-tip polymer clamped-beam probe for high-sensitivity nanoforce measurements. Light: Science and Applications, 2021, 10, 171.	16.6	61
36	Temperature-controlled transformation in fiber types of fluid-filled photonic crystal fibers and applications. Optics Letters, 2010, 35, 88.	3.3	59

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37	Splicing Ge-doped photonic crystal fibers using commercial fusion splicer with default discharge parameters. Optics Express, 2008, 16, 7258.	3.4	58
38	Tunable Electro-Optical Modulator Based on a Photonic Crystal Fiber Selectively Filled With Liquid Crystal. Journal of Lightwave Technology, 2019, 37, 1903-1908.	4.6	56
39	Sapphire fiber Bragg gratings inscribed with a femtosecond laser line-by-line scanning technique. Optics Letters, 2018, 43, 4562.	3.3	55
40	Long Period Fiber Gratings Inscribed by Periodically Tapering a Fiber. IEEE Photonics Technology Letters, 2014, 26, 698-701.	2.5	54
41	Highly sensitive temperature sensor based on a polymer-infiltrated Machâ€“Zehnder interferometer created in graded index fiber. Optics Letters, 2019, 44, 2466.	3.3	53
42	Automatic Arc Discharge-Induced Helical Long Period Fiber Gratings and Its Sensing Applications. IEEE Photonics Technology Letters, 2017, 29, 873-876.	2.5	50
43	Nano silica diaphragm in-fiber cavity for gas pressure measurement. Scientific Reports, 2017, 7, 787.	3.3	50
44	Liquid modified photonic crystal fiber for simultaneous temperature and strain measurement. Photonics Research, 2017, 5, 129.	7.0	50
45	Sensing properties of fiber Bragg gratings in small-core Ge-doped photonic crystal fibers. Optics Communications, 2009, 282, 1129-1134.	2.1	49
46	Optical switch based on a fluid-filled photonic crystal fiber Bragg grating. Optics Letters, 2009, 34, 3683.	3.3	47
47	Polarization-independent orbital angular momentum generator based on a chiral fiber grating. Optics Letters, 2019, 44, 61.	3.3	47
48	D-shaped fiber grating refractive index sensor induced by an ultrashort pulse laser. Applied Optics, 2016, 55, 1525.	2.1	46
49	Femtosecond laser point-by-point inscription of an ultra-weak fiber Bragg grating array for distributed high-temperature sensing. Optics Express, 2021, 29, 32615.	3.4	45
50	Tunable phase-shifted fiber Bragg grating based on femtosecond laser fabricated in-grating bubble. Optics Letters, 2013, 38, 4473.	3.3	44
51	Femtosecond laser-inscribed fiber interface Machâ€“Zehnder interferometer for temperature-insensitive refractive index measurement. Optics Letters, 2018, 43, 4421.	3.3	43
52	Comparison of Linear- and Star-Shaped Fused-Ring Electron Acceptors. , 2019, 1, 367-374.		43
53	Electrically Tunable Four-Wave-Mixing in Graphene Heterogeneous Fiber for Individual Gas Molecule Detection. Nano Letters, 2020, 20, 6473-6480.	9.1	42
54	Highly birefringent phase-shifted fiber Bragg gratings inscribed with femtosecond laser. Optics Letters, 2015, 40, 2008.	3.3	41

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55	Diaphragm-free gas-pressure sensor probe based on hollow-core photonic bandgap fiber. Optics Letters, 2018, 43, 3017.	3.3	40
56	High-Performance Mid-Bandgap Fused-Pyrene Electron Acceptor. Chemistry of Materials, 2019, 31, 6484-6490.	6.7	40
57	Negative-index gratings formed by femtosecond laser overexposure and thermal regeneration. Scientific Reports, 2016, 6, 23379.	3.3	39
58	Fiber surface Bragg grating waveguide for refractive index measurements. Optics Letters, 2017, 42, 1684.	3.3	39
59	Selective fiber Bragg grating inscription in four-core fiber for two-dimension vector bending sensing. Optics Express, 2020, 28, 26461.	3.4	39
60	Simultaneous Refractive Index and Temperature Measurement With LPFG and Liquid-Filled PCF. IEEE Photonics Technology Letters, 2015, 27, 375-378.	2.5	38
61	Optofluidic gutter oil discrimination based on a hybrid-waveguide coupler in fibre. Lab on A Chip, 2018, 18, 595-600.	6.0	37
62	Mechanism and Characteristics of Humidity Sensing with Polyvinyl Alcohol-Coated Fiber Surface Plasmon Resonance Sensor. Sensors, 2018, 18, 2029.	3.8	35
63	Fiber Bragg grating inscription in pure-silica and Ge-doped photonic crystal fibers. Applied Optics, 2009, 48, 1963.	2.1	34
64	Coupled Local-Mode Theory for Strongly Modulated Long Period Gratings. Journal of Lightwave Technology, 2010, 28, 1745-1751.	4.6	34
65	Compact tunable multibandpass filters based on liquid-filled photonic crystal fibers. Optics Letters, 2014, 39, 2148.	3.3	34
66	Parallel-Integrated Fiber Bragg Gratings Inscribed by Femtosecond Laser Point-by-Point Technology. Journal of Lightwave Technology, 2019, 37, 2185-2193.	4.6	34
67	Residual-stress-induced helical long period fiber gratings for sensing applications. Optics Express, 2018, 26, 24114.	3.4	34
68	Fiber optic hydrogen sensor based on a Fabryâ€“Perot interferometer with a fiber Bragg grating and a nanofilm. Lab on A Chip, 2021, 21, 1752-1758.	6.0	33
69	Generation and detection of broadband multi-channel orbital angular momentum by micrometer-scale meta-reflectarray. Optics Express, 2016, 24, 212.	3.4	32
70	Fiber-Tip Polymer Microcantilever for Fast and Highly Sensitive Hydrogen Measurement. ACS Applied Materials & Interfaces, 2020, 12, 33163-33172.	8.0	32
71	Transverse-load, strain, temperature, and torsion sensors based on a helical photonic crystal fiber. Optics Letters, 2019, 44, 1984.	3.3	32
72	Femtosecond laser microprinting of a polymer fiber Bragg grating for high-sensitivity temperature measurements. Optics Letters, 2018, 43, 3409.	3.3	31

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73	Surface plasmon resonance refractive index sensor based on fiber-interface waveguide inscribed by femtosecond laser. Optics Letters, 2019, 44, 2434.	3.3	31
74	Review of Optical Humidity Sensors. Sensors, 2021, 21, 8049.	3.8	31
75	High-sensitivity gas pressure sensor based on hollow-core photonic bandgap fiber Mach-Zehnder interferometer. Optics Express, 2018, 26, 30108.	3.4	30
76	Femtosecond-laser-inscribed sampled fiber Bragg grating with ultrahigh thermal stability. Optics Express, 2016, 24, 3981.	3.4	29
77	Optical Fiber Bragg Grating Pressure Sensor Based on Dual-Frequency Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2017, 29, 1864-1867.	2.5	29
78	High-Sensitivity Temperature Sensor Based on Polarization Maintaining Fiber Sagnac Loop. Photonic Sensors, 2019, 9, 25-32.	5.0	29
79	Intensity-Modulated Strain Sensor Based on Fiber In-Line Machâ€“Zehnder Interferometer. IEEE Photonics Technology Letters, 2014, 26, 508-511.	2.5	28
80	Simultaneous Measurement of Strain and Temperature by a Sawtooth Stressor-Assisted Highly Birefringent Fiber Bragg Grating. Journal of Lightwave Technology, 2020, 38, 2060-2066.	4.6	28
81	Multi-layer, offset-coupled sapphire fiber Bragg gratings for high-temperature measurements. Optics Letters, 2019, 44, 4211.	3.3	28
82	Improved bending property of half-filled photonic crystal fiber. Optics Express, 2010, 18, 12197.	3.4	27
83	High-Sensitivity Temperature Sensor Based on a Coated Single-Mode Fiber Loop. Journal of Lightwave Technology, 2015, 33, 4019-4026.	4.6	26
84	Resolution-Enhanced Fiber Grating Refractive Index Sensor Based on an Optoelectronic Oscillator. IEEE Sensors Journal, 2018, 18, 9562-9567.	4.7	26
85	A Miniature Fiber Collimator for Highly Sensitive Bend Measurements. Journal of Lightwave Technology, 2018, 36, 2827-2833.	4.6	26
86	Fused octacyclic electron acceptor isomers for organic solar cells. Journal of Materials Chemistry A, 2019, 7, 21432-21437.	10.3	26
87	Ultra-dense perfect optical orbital angular momentum multiplexed holography. Optics Express, 2021, 29, 28452.	3.4	26
88	Femtosecond laser auto-positioning direct writing of a multicore fiber Bragg grating array for shape sensing. Optics Letters, 2022, 47, 758.	3.3	25
89	Automatic arc discharge technology for inscribing long period fiber gratings. Applied Optics, 2016, 55, 3873.	2.1	24
90	Torsion Sensor with Rotation Direction Discrimination Based on a Pre-twisted In-Fiber Machâ€“Zehnder Interferometer. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	24

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91	Efficient point-by-point Bragg grating inscription in sapphire fiber using femtosecond laser filaments. Optics Letters, 2021, 46, 2742.	3.3	24
92	Phase-shifted fiber Bragg grating modulated by a hollow cavity for measuring gas pressure. Optics Letters, 2020, 45, 507.	3.3	24
93	Thermo-Optic Switching Effect Based on Fluid-Filled Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2010, 22, 164-166.	2.5	23
94	Temperature Sensor Based on Side-Polished Fiber SPR Device Coated with Polymer. Sensors, 2019, 19, 4063.	3.8	23
95	Development of Polyhydroxyalkanoate-Based Polyurethane with Water-Thermal Response Shape-Memory Behavior as New 3D Elastomers Scaffolds. Polymers, 2019, 11, 1030.	4.5	23
96	In-Fiber Cascaded FPI Fabricated by Chemical-Assisted Femtosecond Laser Micromachining for Micro-Fluidic Sensing Applications. Journal of Lightwave Technology, 2019, 37, 3214-3221.	4.6	23
97	Magnetic field sensor based on helical long-period fiber grating with a three-core optical fiber. Optics Express, 2021, 29, 20649.	3.4	23
98	Thin-Core-Fiber-Based Long-Period Fiber Grating for High-Sensitivity Refractive Index Measurement. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	22
99	Helical Microfiber Bragg Grating Printed by Femtosecond Laser for Refractive Index Sensing. IEEE Photonics Technology Letters, 2019, 31, 971-974.	2.5	22
100	Development of Nontoxic Biodegradable Polyurethanes Based on Polyhydroxyalkanoate and L-lysine Diisocyanate with Improved Mechanical Properties as New Elastomers Scaffolds. Polymers, 2019, 11, 1927.	4.5	22
101	Broadband tunable orbital angular momentum mode converter based on a conventional single-mode all-fiber configuration. Optics Express, 2021, 29, 15595.	3.4	22
102	High-Spatial-Resolution Strain Sensor Based on Distance Compensation and Image Wavelet Denoising Method in OFDR. Journal of Lightwave Technology, 2021, 39, 6334-6339.	4.6	22
103	Asymmetric transverse-load characteristics and polarization dependence of long-period fiber gratings written by a focused CO_2 laser. Applied Optics, 2007, 46, 3079.	2.1	21
104	Unique temperature sensing characteristics of CO2-laser-notched long-period fiber gratings. Optics and Lasers in Engineering, 2009, 47, 1044-1048.	3.8	21
105	Rough Side-Polished Fiber With Surface Scratches for Sensing Applications. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	21
106	Highly sensitive torsion sensor based on directional coupling in twisted photonic crystal fiber. Applied Physics Express, 2018, 11, 042501.	2.4	21
107	Suppression of parasitic interference in a fiber-tip Fabry-Perot interferometer for high-pressure measurements. Optics Express, 2018, 26, 28178.	3.4	21
108	Highly sensitive gas refractive index sensor based on hollow-core photonic bandgap fiber. Optics Express, 2019, 27, 29649.	3.4	21

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109	Twist-direction-dependent orbital angular momentum generator based on inflation-assisted helical photonic crystal fiber. Optics Letters, 2019, 44, 459.	3.3	21
110	Broadband Thermo-Optic Switching Effect Based on Liquid Crystal Infiltrated Photonic Crystal Fibers. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	20
111	Novel fabrication technique for phase-shifted fiber Bragg gratings using a variable-velocity scanning beam and a shielded phase mask. Optics Express, 2018, 26, 13311.	3.4	20
112	Bragg Gratings in Suspended-Core Photonic Microcells for High-Temperature Applications. Journal of Lightwave Technology, 2018, 36, 2920-2924.	4.6	20
113	Femtosecond Laser Microprinting of a Fiber Whispering Gallery Mode Resonator for Highly-Sensitive Temperature Measurements. Journal of Lightwave Technology, 2019, 37, 1241-1245.	4.6	20
114	Recent Progress in Fabrications and Applications of Heating-Induced Long Period Fiber Gratings. Sensors, 2019, 19, 4473.	3.8	19
115	In-Fiber Collimator-Based Fabry-Perot Interferometer with Enhanced Vibration Sensitivity. Sensors, 2019, 19, 435.	3.8	19
116	Highly sensitive hydrogen sensor based on an in-fiber Mach-Zehnder interferometer with polymer infiltration and Pt-loaded WO₃ coating. Optics Express, 2021, 29, 4147.	3.4	19
117	Low short-wavelength loss fiber Bragg gratings inscribed in a small-core fiber by femtosecond laser point-by-point technology. Optics Letters, 2019, 44, 5121.	3.3	19
118	High-order OAM mode generation in a helical long-period fiber grating inscribed by an oxyhydrogen-flame. Optics Express, 2021, 29, 43371.	3.4	19
119	Gas Pressure Sensor Based on CO ₂-Laser-Induced Long-Period Fiber Grating in Air-Core Photonic Bandgap Fiber. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	18
120	Strain-based tunable optical microresonator with an in-fiber rectangular air bubble. Optics Letters, 2018, 43, 4077.	3.3	18
121	A ZnO nanowire-based microfiber coupler for all-optical photodetection applications. Nanoscale, 2019, 11, 8319-8326.	5.6	18
122	Shape Sensing Using Two Outer Cores of Multicore Fiber and Optical Frequency Domain Reflectometer. Journal of Lightwave Technology, 2021, 39, 6624-6630.	4.6	18
123	3D nanoprinted kinoform spiral zone plates on fiber facets for high-efficiency focused vortex beam generation. Optics Express, 2020, 28, 38127.	3.4	18
124	Design and realization of 3D printed fiber-tip microcantilever probes applied to hydrogen sensing. Light Advanced Manufacturing, 2022, 3, 1.	5.1	18
125	Bidirectional Bend Sensor Employing a Microfiber-Assisted U-Shaped Fabry-Perot Cavity. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	17
126	Optical Fiber Tag Based on an Encoded Fiber Bragg Grating Fabricated by Femtosecond Laser. Journal of Lightwave Technology, 2020, 38, 1474-1479.	4.6	17

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127	Optical Fiber Integrated Functional Micro-/Nanostructure Induced by Two-Photon Polymerization. Frontiers in Materials, 2020, 7, .	2.4	17
128	Single-mode helical Bragg grating waveguide created in a multimode coreless fiber by femtosecond laser direct writing. Photonics Research, 2021, 9, 2052.	7.0	17
129	In-Fiber Polymer Microdisk Resonator and Its Sensing Applications of Temperature and Humidity. ACS Applied Materials & Interfaces, 2021, 13, 48119-48126.	8.0	17
130	High-Speed All-Optical Modulator Based on a Polymer Nanofiber Bragg Grating Printed by Femtosecond Laser. ACS Applied Materials & Interfaces, 2020, 12, 1465-1473.	8.0	16
131	Helical Long-Period Fiber Gratings as Wavelength-Tunable Orbital Angular Momentum Mode Generators. IEEE Photonics Technology Letters, 2020, 32, 418-421.	2.5	16
132	Helical Intermediate-Period Fiber Grating for Refractive Index Measurements With Low-Sensitive Temperature and Torsion Response. Journal of Lightwave Technology, 2021, 39, 6678-6685.	4.6	16
133	Slit Beam Shaping for Femtosecond Laser Point-by- Point Inscription of High-Quality Fiber Bragg Gratings. Journal of Lightwave Technology, 2021, 39, 5142-5148.	4.6	16
134	Unique Temperature Dependence of Selectively Liquid-Crystal-Filled Photonic Crystal Fibers. IEEE Photonics Technology Letters, 2016, 28, 1282-1285.	2.5	15
135	Hollow-Core-Fiber-Based Interferometer for High-Temperature Measurements. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	15
136	Bragg gratings inscribed in selectively inflated photonic crystal fibers. Optics Express, 2017, 25, 28442.	3.4	15
137	Temperature-insensitive directional transverse load sensor based on dual side-hole fiber Bragg grating. Optics Express, 2021, 29, 17700.	3.4	15
138	Beat frequency tuning in dual-polarization distributed feedback fiber laser using side polishing technique. Optics Express, 2018, 26, 34699.	3.4	15
139	Intensity-modulated bend sensor by using a twin core fiber: theoretical and experimental studies. Optics Express, 2020, 28, 14850.	3.4	15
140	Fiber-interface directional coupler inscribed by femtosecond laser for refractive index measurements. Optics Express, 2020, 28, 14263.	3.4	15
141	Orthogonal long-period fiber grating for directly exciting the orbital angular momentum. Optics Express, 2020, 28, 27044.	3.4	15
142	Femtosecond laser line-by-line inscription of apodized fiber Bragg gratings. Optics Letters, 2021, 46, 5663.	3.3	15
143	Investigation of Long-Period Grating Resonances in Hollow-Core Photonic Bandgap Fibers. Journal of Lightwave Technology, 2011, 29, 1708-1714.	4.6	14
144	Highly birefringent suspended-core photonic microcells for refractive-index sensing. Applied Physics Letters, 2014, 105, 061105.	3.3	14

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145	Long Period Fiber Grating Inscribed in Hollow-Core Photonic Bandgap Fiber for Gas Pressure Sensing. IEEE Photonics Journal, 2017, 9, 1-7.	2.0	14
146	Dual-Polarization Distributed Feedback Fiber Laser Sensor Based on Femtosecond Laser-Inscribed In-Fiber Stressors for Simultaneous Strain and Temperature Measurements. IEEE Access, 2020, 8, 97823-97829.	4.2	14
147	Gas detection in a graphene based dual-mode fiber laser microcavity. Sensors and Actuators B: Chemical, 2021, 348, 130694.	7.8	14
148	Stabilized Ultra-High-Temperature Sensors Based on Inert Gas-Sealed Sapphire Fiber Bragg Gratings. ACS Applied Materials & Interfaces, 2022, 14, 12359-12366.	8.0	14
149	Bragg resonance in microfiber realized by two-photon polymerization. Optics Express, 2018, 26, 3732.	3.4	13
150	Highly Sensitive Temperature Sensor Based on All-Fiber Polarization Interference Filter With Vernier Effect. IEEE Access, 2020, 8, 207397-207403.	4.2	13
151	A Probe-Shaped Sensor With FBG and Fiber-Tip Bubble for Pressure and Temperature Sensing. Photonic Sensors, 2021, 11, 411-417.	5.0	13
152	High-sensitivity gas pressure sensor based on a multimode interferometer using hollow-core tube lattice fiber. Optics Letters, 2020, 45, 4571.	3.3	13
153	A Wearable Breath Sensor Based on Fiber-Tip Microcantilever. Biosensors, 2022, 12, 168.	4.7	13
154	Mode field profile and polarization dependence of long period fiber gratings written by CO2 laser. Optics Communications, 2008, 281, 2522-2525.	2.1	12
155	High-Sensitivity Gas Pressure Sensor Based on Fabryâ€“PÃ©rot Interferometer With a Side-Opened Channel in Hollow-Core Photonic Bandgap Fiber. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	12
156	Ultrasensitive Temperature Sensor Based on a Fiber Fabryâ€“PÃ©rot Interferometer Created in a Mercury-Filled Silica Tube. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	12
157	Sensing Characteristics of Tilted Long Period Fiber Gratings Inscribed by Infrared Femtosecond Laser. Sensors, 2018, 18, 3003.	3.8	12
158	Highly Reproducible, Isotropic Optofluidic Laser Based on Hollow Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	2.9	12
159	Recent advance in hollow-core fiber high-temperature and high-pressure sensing technology [Invited]. Chinese Optics Letters, 2021, 19, 070601.	2.9	12
160	High-sensitivity optical fiber temperature sensor based on a dual-loop optoelectronic oscillator with the Vernier effect. Optics Express, 2020, 28, 35264.	3.4	12
161	Sensitivity Enhancement for Fiber Bragg Grating Strain Sensing Based on Optoelectronic Oscillator With Vernier Effect. IEEE Photonics Journal, 2021, 13, 1-6.	2.0	12
162	Highly Sensitive Surface Plasmon Resonance Humidity Sensor Based on a Polyvinyl-Alcohol-Coated Polymer Optical Fiber. Biosensors, 2021, 11, 461.	4.7	12

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163	Femtosecond laser inscribed helical long period fiber grating for exciting orbital angular momentum. Optics Express, 2022, 30, 4402.	3.4	12
164	Polymer-Coated Hollow Fiber Optofluidic Laser for Refractive Index Sensing. Journal of Lightwave Technology, 2020, 38, 1550-1556.	4.6	11
165	Helical Long Period Fiber Grating Inscribed in Elliptical Core Polarization-Maintaining Fiber. IEEE Access, 2021, 9, 59378-59382.	4.2	11
166	Compact Surface Plasmon Resonance IgG Sensor Based on H-Shaped Optical Fiber. Biosensors, 2022, 12, 141.	4.7	11
167	Fabry-Perot Interferometer Based on a Fiber-Tip Fixed-Supported Bridge for Fast Glucose Concentration Measurement. Biosensors, 2022, 12, 391.	4.7	11
168	The Effect of 4-Octyldecyloxybenzoic Acid on Liquid-Crystalline Polyurethane Composites with Triple-Shape Memory and Self-Healing Properties. Materials, 2016, 9, 792.	2.9	10
169	Temperature Insensitivity Polarization-Controlled Orbital Angular Momentum Mode Converter Based on an LPFG Induced in Four-Mode Fiber. Sensors, 2018, 18, 1766.	3.8	10
170	Helicity Enhanced Torsion Sensor Based on Liquid Filled Twisted Photonic Crystal Fibers. Sensors, 2020, 20, 1490.	3.8	10
171	Ultrasensitive refractometer based on helical long-period fiber grating near the dispersion turning point. Optics Letters, 2022, 47, 2602.	3.3	10
172	Femtosecond laser 3D printed micro objective lens for ultrathin fiber endoscope. Fundamental Research, 2024, 4, 123-130.	3.3	10
173	Investigating Transverse Loading Characteristics of Microstructured Fiber Bragg Gratings With an Active Fiber Depolarizer. IEEE Photonics Technology Letters, 2009, 21, 1450-1452.	2.5	9
174	Long period fiber gratings written in photonic crystal fibers by use of CO2 laser. Photonic Sensors, 2013, 3, 193-201.	5.0	9
175	Side-Opened Suspended Core Fiber-Based Surface Plasmon Resonance Sensor. IEEE Sensors Journal, 2015, 15, 4086-4092.	4.7	9
176	Liquid-Crystal-Filled Side-hole Fiber for High-Sensitivity Temperature and Electric Field Measurement. Micromachines, 2019, 10, 761.	2.9	9
177	Self-Imaging Effect in Liquid-Filled Hollow-Core Capillary Waveguide for Sensing Applications. Sensors, 2020, 20, 135.	3.8	9
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