

# Xinyong Dong

## List of Publications by Year in descending order

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362  
papers

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41258

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all docs

362  
docs citations

362  
times ranked

3990  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-insensitive strain sensor with polarization-maintaining photonic crystal fiber based Sagnac interferometer. Applied Physics Letters, 2007, 90, 151113.	1.5	371
2	Pressure sensor realized with polarization-maintaining photonic crystal fiber-based Sagnac interferometer. Applied Optics, 2008, 47, 2835.	2.1	260
3	High-sensitivity temperature sensor based on an alcohol-filled photonic crystal fiber loop mirror. Optics Letters, 2011, 36, 1548.	1.7	243
4	Magneto-optical fiber sensor based on magnetic fluid. Optics Letters, 2012, 37, 398.	1.7	162
5	Magneto-optical fiber sensor based on bandgap effect of photonic crystal fiber infiltrated with magnetic fluid. Applied Physics Letters, 2012, 101, .	1.5	137
6	Temperature-Insensitive Magnetic Field Sensor Based on Nanoparticle Magnetic Fluid and Photonic Crystal Fiber. IEEE Photonics Journal, 2012, 4, 491-498.	1.0	133
7	An Optical Fiber Curvature Sensor Based on Two Peanut-Shape Structures Modal Interferometer. IEEE Photonics Technology Letters, 2014, 26, 22-24.	1.3	119
8	A Temperature-Insensitive Twist Sensor by Using Low-Birefringence Photonic-Crystal-Fiber-Based Sagnac Interferometer. IEEE Photonics Technology Letters, 2011, 23, 920-922.	1.3	107
9	Fiber optic relative humidity sensor based on the tilted fiber Bragg grating coated with graphene oxide. Applied Physics Letters, 2016, 109, .	1.5	106
10	Simultaneous displacement and temperature measurement with cantilever-based fiber Bragg grating sensor. Optics Communications, 2001, 192, 213-217.	1.0	101
11	Enhancement of the sensitivity of magneto-optical fiber sensor by magnifying the birefringence of magnetic fluid film with Loyt-Sagnac interferometer. Sensors and Actuators B: Chemical, 2014, 191, 19-23.	4.0	97
12	Polarization-dependent curvature sensor based on an in-fiber Mach-Zehnder interferometer with a difference arithmetic demodulation method. Optics Express, 2012, 20, 15406.	1.7	94
13	Magnetic field sensor using tilted fiber grating interacting with magnetic fluid. Optics Express, 2013, 21, 17863.	1.7	93
14	Sensitivity-enhanced Michelson interferometric humidity sensor with waist-enlarged fiber bitaper. Sensors and Actuators B: Chemical, 2014, 194, 180-184.	4.0	92
15	High-Resolution Strain and Temperature Sensor Based on Distributed Bragg Reflector Fiber Laser. IEEE Photonics Technology Letters, 2007, 19, 1598-1600.	1.3	90
16	Stable room-temperature multi-wavelength lasing realization in ordinary erbium-doped fiber loop lasers. Optics Express, 2006, 14, 9293.	1.7	89
17	Temperature-independent bending sensor with tilted fiber Bragg grating interacting with multimode fiber. Optics Communications, 2009, 282, 3905-3907.	1.0	87
18	Simultaneous measurement of curvature and temperature based on PCF-based interferometer and fiber Bragg grating. Optics Communications, 2011, 284, 5669-5672.	1.0	86

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19	Humidity Sensor With a PVA-Coated Photonic Crystal Fiber Interferometer. IEEE Sensors Journal, 2013, 13, 2214-2216.	2.4	85
20	Multiwavelength Raman fiber laser with a continuously-tunable spacing. Optics Express, 2006, 14, 3288.	1.7	81
21	Optical fiber magnetic field sensor based on magnetic fluid and microfiber mode interferometer. Optics Communications, 2015, 336, 5-8.	1.0	80
22	Magneto-optic fiber Sagnac modulator based on magnetic fluids. Optics Letters, 2011, 36, 1425.	1.7	77
23	Photonic Crystal Fiber Strain Sensor Based on Modified Mach-Zehnder Interferometer. IEEE Photonics Journal, 2012, 4, 114-118.	1.0	77
24	A Dual-Wavelength Fiber Laser Sensor System for Measurement of Temperature and Strain. IEEE Photonics Technology Letters, 2007, 19, 1148-1150.	1.3	75
25	Temperature-insensitive tilt sensor with strain-chirped fiber Bragg gratings. IEEE Photonics Technology Letters, 2005, 17, 2394-2396.	1.3	73
26	A novel temperature-insensitive fiber Bragg grating sensor for displacement measurement. Smart Materials and Structures, 2005, 14, N7-N10.	1.8	73
27	Curvature measurement by using low-birefringence photonic crystal fiber based Sagnac loop. Optics Communications, 2010, 283, 3142-3144.	1.0	73
28	Polyvinyl alcohol-coated hybrid fiber grating for relative humidity sensing. Journal of Biomedical Optics, 2011, 16, 077001.	1.4	73
29	Fiber-Optic Curvature Sensor Based on Cladding-Mode Bragg Grating Excited by Fiber Multimode Interferometer. IEEE Photonics Journal, 2012, 4, 1051-1057.	1.0	73
30	An optical fiber curvature sensor based on photonic crystal fiber modal interferometer. Sensors and Actuators A: Physical, 2013, 195, 139-141.	2.0	72
31	Intensity-modulated magnetic field sensor based on magnetic fluid and optical fiber gratings. Applied Physics Letters, 2013, 103, 183511.	1.5	68
32	Multi-wavelength linear-cavity tunable fiber laser using a chirped fiber Bragg grating and a few-mode fiber Bragg grating. Optics Express, 2005, 13, 5614.	1.7	65
33	Hot-Wire Anemometer Based on Silver-Coated Fiber Bragg Grating Assisted by No-Core Fiber. IEEE Photonics Technology Letters, 2013, 25, 2458-2461.	1.3	63
34	Optical Fiber Laser Salinity Sensor Based on Multimode Interference Effect. IEEE Sensors Journal, 2014, 14, 1813-1816.	2.4	63
35	Humidity Sensor Based on a Multimode-Fiber Taper Coated With Polyvinyl Alcohol Interacting With a Fiber Bragg Grating. IEEE Sensors Journal, 2012, 12, 2205-2208.	2.4	62
36	A largely tunable CFBG-based dispersion compensator with fixed center wavelength. Optics Express, 2003, 11, 2970.	1.7	61

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37	Multiwavelength erbium-doped fiber laser with 0.8-nm spacing using sampled Bragg grating and photonic crystal fiber. IEEE Photonics Technology Letters, 2005, 17, 2538-2540.	1.3	61
38	Simultaneous measurement of relative humidity and temperature with PCF-MZI cascaded by fiber Bragg grating. Optics Communications, 2013, 303, 42-45.	1.0	59
39	Carbon-nanotube / Polyvinyl alcohol coated thin core fiber sensor for humidity measurement. Sensors and Actuators B: Chemical, 2018, 257, 800-806.	4.0	56
40	Temperature-insensitive FBG tilt sensor with a large measurement range. Optics Communications, 2010, 283, 968-970.	1.0	55
41	Strain Sensor Realized by Using Low-Birefringence Photonic-Crystal-Fiber-Based Sagnac Loop. IEEE Photonics Technology Letters, 2010, 22, 1238-1240.	1.3	55
42	All-Fiber Mach-Zehnder Interferometer for Liquid Level Measurement. IEEE Sensors Journal, 2015, 15, 3984-3988.	2.4	55
43	Photonic crystal fiber interferometric pH sensor based on polyvinyl alcohol/polyacrylic acid hydrogel coating. Applied Optics, 2015, 54, 2647.	0.9	55
44	Output power characteristics of tunable erbium-doped fiber ring lasers. Journal of Lightwave Technology, 2005, 23, 1334-1341.	2.7	54
45	Optical fiber strain and temperature sensor based on an in-line Mach-Zehnder interferometer using thin-core fiber. Optics Communications, 2012, 285, 3721-3725.	1.0	54
46	Passive mode locking at harmonics of the free spectral range of the intracavity filter in a fiber ring laser. Optics Letters, 2005, 30, 2852.	1.7	53
47	Wavelength-selective all-fiber filter based on a single long-period fiber grating and a misaligned splicing point. Optics Communications, 2006, 258, 159-163.	1.0	52
48	Optical fiber anemometer using silver-coated fiber Bragg grating and bitaper. Sensors and Actuators A: Physical, 2014, 214, 230-233.	2.0	51
49	A chitosan-coated humidity sensor based on Mach-Zehnder interferometer with waist-enlarged fusion bitapers. Optical Fiber Technology, 2017, 33, 56-59.	1.4	50
50	Miniature pH Optical Fiber Sensor Based on Fabry-Perot Interferometer. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 331-335.	1.9	49
51	Compact Anemometer Using Silver-Coated Fiber Bragg Grating. IEEE Photonics Journal, 2012, 4, 1381-1386.	1.0	48
52	All-fiber multiwavelength thulium-doped laser assisted by four-wave mixing in highly germania-doped fiber. Optics Express, 2015, 23, 340.	1.7	48
53	White LED Based on YAG:Ce,Gd Phosphor and CdSe/ZnS Core/Shell Quantum Dots. IEEE Photonics Technology Letters, 2010, 22, 884-886.	1.3	47
54	Optical fiber axial micro-displacement sensor based on Mach-Zehnder interferometer. Optics Express, 2014, 22, 31984.	1.7	47

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55	An optical liquid level sensor based on polarization-maintaining fiber modal interferometer. <i>Sensors and Actuators A: Physical</i> , 2014, 205, 204-207.	2.0	47
56	Temperature-insensitive 2-D tilt sensor by incorporating fiber Bragg gratings with a hybrid pendulum. <i>Optics Communications</i> , 2010, 283, 5021-5024.	1.0	46
57	Curvature Sensor Based on Hollow-Core Photonic Crystal Fiber Sagnac Interferometer. <i>IEEE Sensors Journal</i> , 2014, 14, 777-780.	2.4	46
58	Temperature-insensitive accelerometer based on a strain-chirped FBG. <i>Sensors and Actuators A: Physical</i> , 2010, 157, 15-18.	2.0	45
59	Cavity ringdown refractive index sensor using photonic crystal fiber interferometer. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 108-113.	4.0	44
60	Linear cavity erbium-doped fiber laser with over 100 nm tuning range. <i>Optics Express</i> , 2003, 11, 1689.	1.7	43
61	A stable dual-wavelength fiber laser with tunable wavelength spacing using a polarization-maintaining linear cavity. <i>Applied Physics B: Lasers and Optics</i> , 2005, 81, 807-811.	1.1	43
62	Highly sensitive fiber loop ringdown strain sensor using photonic crystal fiber interferometer. <i>Applied Optics</i> , 2011, 50, 3087.	2.1	43
63	Intensity measurement based temperature-independent strain sensor using a highly birefringent photonic crystal fiber loop mirror. <i>Optics Communications</i> , 2010, 283, 5250-5254.	1.0	42
64	High Sensitive Micro-Displacement Sensor Based on M-Z Interferometer by a Bowknot Type Taper. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 62-65.	1.3	42
65	Bend measurement with chirp of fiber Bragg grating. <i>Smart Materials and Structures</i> , 2001, 10, 1111-1113.	1.8	40
66	Long-period grating fabricated by periodically tapering standard single-mode fiber. <i>Applied Optics</i> , 2008, 47, 1549.	2.1	40
67	Fiber Optic Fabry-Pérot Optofluidic Sensor With a Focused Ion Beam Ablated Microslot For Fast Refractive Index and Magnetic Field Measurement. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 322-326.	1.9	40
68	Temperature Sensing Based on Ethanol-Filled Photonic Crystal Fiber Modal Interferometer. <i>IEEE Sensors Journal</i> , 2012, 12, 2593-2597.	2.4	39
69	A polarization-maintaining fiber loop mirror based sensor for liquid refractive index absolute measurement. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 360-364.	4.0	39
70	Intensity-modulated fiber Bragg grating sensor system based on radio-frequency signal measurement. <i>Optics Letters</i> , 2008, 33, 482.	1.7	38
71	Simultaneous Measurement of Tilt Angle and Temperature With Pendulum-Based Fiber Bragg Grating Sensor. <i>IEEE Sensors Journal</i> , 2015, 15, 6381-6384.	2.4	38
72	Simultaneous Refractive Index and Temperature Measurement Based on Mach-Zehnder Interferometer Concatenating Two Bi-Tapers and a Long-Period Grating. <i>IEEE Sensors Journal</i> , 2016, 16, 4295-4299.	2.4	38

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73	Label-free fiber-optic interferometric immunosensors based on waist-enlarged fusion taper. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 176-184.	4.0	37
74	Relative Humidity Sensor Based on SMS Fiber Structure With Two Waist-Enlarged Tapers. <i>IEEE Sensors Journal</i> , 2014, 14, 2683-2686.	2.4	37
75	Strain gradient chirp of uniform fiber Bragg grating without shift of central Bragg wavelength. <i>Optics Communications</i> , 2002, 202, 91-95.	1.0	36
76	High-speed fibre Bragg grating sensor interrogation using dispersion-compensation fibre. <i>Electronics Letters</i> , 2008, 44, 618.	0.5	36
77	Multiwavelength Brillouin-Erbium Random Fiber Laser Incorporating a Chirped Fiber Bragg Grating. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 294-298.	1.9	36
78	Simultaneous measurement of liquid level and temperature based on spherical-shape structures and long period fiber grating. <i>Sensors and Actuators A: Physical</i> , 2016, 239, 196-200.	2.0	36
79	High-Frequency Ultrasonic Hydrophone Based on a Cladding-Etched DBR Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 548-550.	1.3	35
80	Miniature refractometer based on Mach-Zehnder interferometer with waist-enlarged fusion bitaper. <i>Optics Communications</i> , 2013, 292, 84-86.	1.0	35
81	Temperature-Insensitive 2-D Pendulum Clinometer Using Two Fiber Bragg Gratings. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 863-865.	1.3	34
82	Simultaneous measurement of strain and temperature with a long-period fiber grating inscribed Sagnac interferometer. <i>Optics Communications</i> , 2011, 284, 2145-2148.	1.0	34
83	Alcohol-filled side-hole fiber Sagnac interferometer for temperature measurement. <i>Sensors and Actuators A: Physical</i> , 2013, 193, 182-185.	2.0	34
84	Magnetic Field Sensor Based on Magnetic Fluid-Infiltrated Phase-Shifted Fiber Bragg Grating. <i>IEEE Sensors Journal</i> , 2018, 18, 4008-4012.	2.4	34
85	Photonic crystal fiber refractive index sensor based on a fiber Bragg grating demodulation. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 761-765.	4.0	33
86	Simultaneous Measurement of Curvature and Temperature Based on Mach-Zehnder Interferometer Comprising Core-Offset and Spherical-Shape Structures. <i>IEEE Photonics Journal</i> , 2016, 8, 1-9.	1.0	33
87	Temperature-insensitive 2D tilt sensor with three fiber Bragg gratings. <i>Measurement Science and Technology</i> , 2010, 21, 025203.	1.4	32
88	Temperature-insensitive optical fiber two-dimensional micrometric displacement sensor based on an in-line Mach-Zehnder interferometer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 1136.	0.9	32
89	Magnetic Field Sensor With Optical Fiber Bitaper-Based Interferometer Coated by Magnetic Fluid. <i>IEEE Sensors Journal</i> , 2014, 14, 3148-3151.	2.4	32
90	Random Laser With Multiphase-Shifted Bragg Grating in Er/Yb-Codoped Fiber. <i>Journal of Lightwave Technology</i> , 2015, 33, 95-99.	2.7	32

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91	Cavity ring-down long period grating pressure sensor. <i>Sensors and Actuators A: Physical</i> , 2010, 158, 207-211.	2.0	31
92	Switchable dual-wavelength erbium-doped fiber-ring lasers using a fiber Bragg grating in high-birefringence fiber. <i>Microwave and Optical Technology Letters</i> , 2004, 41, 73-75.	0.9	30
93	Simultaneous measurement of bending and temperature based on a single sampled chirped fiber Bragg grating embedded on a flexible cantilever beam. <i>Optics Letters</i> , 2006, 31, 2839.	1.7	30
94	Application of an artificial neural network for simultaneous measurement of bending curvature and temperature with long period fiber gratings. <i>Sensors and Actuators A: Physical</i> , 2007, 137, 262-267.	2.0	30
95	Refractive Index and Temperature Sensor Based on Double-Pass M <sup>z</sup> Interferometer With an FBG. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1124-1127.	1.3	30
96	Bandwidth-tunable filter and spacing-tunable comb filter with chirped-fiber Bragg gratings. <i>Optics Communications</i> , 2006, 259, 645-648.	1.0	29
97	Flexible all fiber Fabry-Perot filters based on superimposed chirped fiber Bragg gratings with continuous FSR tunability and its application to a multiwavelength fiber laser. <i>Optics Express</i> , 2007, 15, 2921.	1.7	29
98	Temperature-independent vibration sensor with a fiber Bragg grating. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 2282-2285.	0.9	29
99	An Enhanced Distributed Acoustic Sensor Based on UWFBG and Self-Heterodyne Detection. <i>Journal of Lightwave Technology</i> , 2019, 37, 2700-2705.	2.7	29
100	Fabrication of a temperature-insensitive transverse mechanical load sensor by using a photonic crystal fiber-based Sagnac loop. <i>Measurement Science and Technology</i> , 2011, 22, 025204.	1.4	28
101	High Extinction Ratio Magneto-Optical Fiber Modulator Based on Nanoparticle Magnetic Fluids. <i>IEEE Photonics Journal</i> , 2012, 4, 1140-1146.	1.0	28
102	Erbium-doped fiber laser with distributed Rayleigh output mirror. <i>Laser Physics</i> , 2014, 24, 115101.	0.6	28
103	Magnetic Field Sensing With Reflectivity Ratio Measurement of Fiber Bragg Grating. <i>IEEE Sensors Journal</i> , 2015, 15, 1372-1376.	2.4	28
104	Multi-wavelength erbium-doped fiber laser based on random distributed feedback. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	28
105	Simultaneous strain and temperature measurement based on a photonic crystal fiber modal-interference interacting with a long period fiber grating. <i>Optics Communications</i> , 2012, 285, 4874-4877.	1.0	27
106	Tunable Erbium-Doped Fiber Laser Based on Random Distributed Feedback. <i>IEEE Photonics Journal</i> , 2014, 6, 1-5.	1.0	27
107	Highly sensitive twist sensor based on tilted fiber Bragg grating of polarization-dependent properties. <i>Optical Fiber Technology</i> , 2014, 20, 491-494.	1.4	27
108	A Highly Sensitive Fibre-Optic Nano-Displacement Sensor Based on Surface Plasmon Resonance. <i>Journal of Lightwave Technology</i> , 2016, 34, 2324-2330.	2.7	27

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109	Optical automatic gain control of EDFA using two oscillating lasers in a single feedback loop. Optics Communications, 2003, 225, 157-162.	1.0	26
110	Effects of active fiber length on the tunability of erbium-doped fiber ring lasers. Optics Express, 2003, 11, 3622.	1.7	26
111	Power-Referenced Optical Fiber Refractometer Based on a Hybrid Fiber Grating. IEEE Photonics Technology Letters, 2011, 23, 1706-1708.	1.3	26
112	Thermally switchable and discretely tunable comb filter with a linearly chirped fiber Bragg grating. Optics Letters, 2005, 30, 2994.	1.7	25
113	Continuously spacing-tunable multiwavelength semiconductor-optical-amplifier-based fiber ring laser incorporating a superimposed chirped fiber Bragg grating. Optics Letters, 2007, 32, 1032.	1.7	25
114	Mechanically induced long-period fiber grating in side-hole single-mode fiber for temperature and refractive sensing. Optics Communications, 2010, 283, 1303-1306.	1.0	25
115	Temperature-Independent Fiber Bending Sensor Based on a Superimposed Grating. IEEE Sensors Journal, 2011, 11, 3019-3022.	2.4	25
116	Miniature refractometer based on modal interference in a hollow-core photonic crystal fiber with collapsed splicing. Journal of Biomedical Optics, 2011, 16, 017004.	1.4	25
117	A fiber strain and vibration sensor based on high birefringence polarization maintaining fibers. Optics Communications, 2014, 322, 105-108.	1.0	25
118	Cavity ring-down long-period fibre grating strain sensor. Measurement Science and Technology, 2007, 18, 3135-3138.	1.4	24
119	Temperature-independent fiber bragg grating tilt sensor. Microwave and Optical Technology Letters, 2010, 52, 2250-2252.	0.9	24
120	Simultaneous measurement of strain and temperature based on a long-period grating with a polarization maintaining fiber in a loop mirror. Optical Fiber Technology, 2014, 20, 44-47.	1.4	24
121	Cascaded Random Fiber Laser Based on Hybrid Brillouin-Erbium Fiber Gains. IEEE Photonics Technology Letters, 2014, 26, 1287-1290.	1.3	24
122	Temperature sensor based on a pressure-induced birefringent single-mode fiber loop mirror. Measurement Science and Technology, 2010, 21, 065204.	1.4	23
123	Tunable microwave generation based on a dual-wavelength single-longitudinal-mode fiber laser using a phase-shifted grating on a triangular cantilever. Applied Optics, 2011, 50, 1900.	2.1	23
124	All fiber curvature sensor based on modal interferometer with waist enlarge splicing. Sensors and Actuators A: Physical, 2013, 203, 103-106.	2.0	23
125	Intensity-modulated relative humidity sensing with polyvinyl alcohol coating and optical fiber gratings. Applied Optics, 2015, 54, 2620.	0.9	23
126	Heavy metal ions probe with relative measurement of fiber Bragg grating. Sensors and Actuators B: Chemical, 2016, 230, 353-358.	4.0	23



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127	Volatile Organic Compound Sensor Based on PDMS Coated Fabry-Pérot Interferometer With Vernier Effect. <i>IEEE Sensors Journal</i> , 2019, 19, 4443-4450.	2.4	23
128	Vernier effect of two cascaded in-fiber Mach-Zehnder interferometers based on a spherical-shaped structure. <i>Applied Optics</i> , 2019, 58, 6204.	0.9	23
129	Power-referenced refractometer with tilted fiber Bragg grating cascaded by chirped grating. <i>Optics Communications</i> , 2014, 312, 106-109.	1.0	22
130	Magnetic field sensor based on magnetic-fluid-coated long-period fiber grating. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 065402.	1.0	22
131	Tunable chirping of a fiber Bragg grating without center wavelength shift using a simply supported beam. <i>Optical Engineering</i> , 2002, 41, 740.	0.5	21
132	Multiwavelength Fiber Optical Parametric Oscillator. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1609-1611.	1.3	21
133	A tilt sensor with a compact dimension based on a long-period fiber grating. <i>Review of Scientific Instruments</i> , 2011, 82, 093106.	0.6	21
134	A Temperature-insensitive Relative Humidity Sensor by using Polarization Maintaining Fiber-Based Sagnac Interferometer. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 2305-2307.	0.9	21
135	High power erbium-doped fiber ring laser with widely tunable range over 100 nm. <i>Optics Communications</i> , 2003, 224, 295-299.	1.0	20
136	A Thin-Core Fiber Modal Interferometer for Liquid-Level Sensing. <i>Chinese Physics Letters</i> , 2012, 29, 104209.	1.3	20
137	Temperature-insensitive strain sensor using a fiber loop mirror based on low-birefringence polarization-maintaining fibers. <i>Optics Communications</i> , 2013, 287, 31-34.	1.0	20
138	Randomly spaced chirped grating-based random fiber laser. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	20
139	Recent progress in distributed optical fiber Raman photon sensors at China Jiliang University. <i>Photonic Sensors</i> , 2012, 2, 127-147.	2.5	19
140	Miniature temperature sensor with germania-core optical fiber. <i>Optics Express</i> , 2015, 23, 17687.	1.7	19
141	A bandwidth-tunable FBG filter with fixed center wavelength. <i>Microwave and Optical Technology Letters</i> , 2004, 41, 22-24.	0.9	18
142	Tunable WDM filter with 0.8-nm channel spacing using a pair of long-period fiber gratings. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 795-797.	1.3	18
143	Embedded long-period fiber grating bending sensor. <i>Sensors and Actuators A: Physical</i> , 2006, 125, 267-272.	2.0	18
144	Simultaneous measurement of curvature and temperature with fiber taper-based MZI containing fiber Bragg grating. <i>Journal of Electromagnetic Waves and Applications</i> , 2012, 26, 2438-2444.	1.0	18

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145	Fiber curvature sensor based on spherical-shape structures and long-period grating. Optics and Lasers in Engineering, 2016, 86, 356-359.	2.0	18
146	Liquid surface tension and refractive index sensor based on a tilted fiber Bragg grating. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1282.	0.9	18
147	Photonic-crystal-fiber-based Mach-Zehnder interferometer using long-period gratings. Microwave and Optical Technology Letters, 2006, 48, 1379-1383.	0.9	17
148	Compact refractometer based on extrinsic-phase-shift fiber Bragg grating. Sensors and Actuators A: Physical, 2011, 168, 46-50.	2.0	17
149	Highly Sensitive Refractive Index Sensor Based on a Cladding-Etched Thin-Core Fiber Sandwiched between Two Single-Mode Fibers. Chinese Physics Letters, 2012, 29, 094203.	1.3	17
150	Temperature-independent refractometer based on a tapered photonic crystal fiber interferometer. Optics Communications, 2013, 291, 238-241.	1.0	17
151	Optical Fiber Inclinator Based on a Fiber Taper Cascading a Peanut-Shape Structure. IEEE Sensors Journal, 2015, 15, 3917-3920.	2.4	17
152	Multiplex and simultaneous measurement of displacement and temperature using tapered fiber and fiber Bragg grating. Review of Scientific Instruments, 2012, 83, 053109.	0.6	16
153	Relative Humidity Sensor Based on Microfiber Loop Resonator. Advances in Materials Science and Engineering, 2013, 2013, 1-4.	1.0	16
154	Performance of optical automatic gain control EDFA with dual-oscillating control lasers. Optics Communications, 2003, 224, 281-287.	1.0	15
155	Tunable Compensation of First-Order PMD Using a High-Birefringence Linearly Chirped Fiber Bragg Grating. IEEE Photonics Technology Letters, 2004, 16, 846-848.	1.3	15
156	Fiber curvature sensor based on Mach-Zehnder interferometer using up-taper cascaded long-period grating. Microwave and Optical Technology Letters, 2016, 58, 246-248.	0.9	15
157	Distributed refractive index sensing based on bending-induced multimodal interference and Rayleigh backscattering spectrum. Optics Express, 2021, 29, 21530.	1.7	15
158	One-stage erbium ASE source with 80-nm bandwidth and low ripples. Electronics Letters, 2002, 38, 956.	0.5	14
159	Wavelength-spacing-tunable multichannel filter incorporating a sampled chirped fiber Bragg grating based on a symmetrical chirp-tuning technique without center wavelength shift. Optics Letters, 2006, 31, 3571.	1.7	14
160	Broad-band EDFA gain flattening by using an embedded long-period fiber grating filter. Optics Communications, 2007, 271, 377-381.	1.0	14
161	Fibre-optic load sensor based on polarimetric DBR fibre laser. Electronics Letters, 2008, 44, 99.	0.5	14
162	Refractive index sensor based on tilted fiber Bragg grating interacting with multimode fiber. Microwave and Optical Technology Letters, 2010, 52, 1375-1377.	0.9	14

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163	Simultaneous measurement of force and temperature based on a half corroded FBC. Microwave and Optical Technology Letters, 2010, 52, 2020-2023.	0.9	14
164	Liquid Refractive Index Sensor Based on a Polarization-Maintaining Fiber Loop Mirror. IEEE Sensors Journal, 2013, 13, 1721-1724.	2.4	14
165	Alcohol-filled side-hole fiber based Mach-Zehnder interferometer for temperature measurement. Optical Fiber Technology, 2018, 46, 72-76.	1.4	14
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