

Li-bo Yuan

List of Publications by Year in descending order

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412
papers

5,828
citations

109321

35
h-index

189892

50
g-index

417
all docs

417
docs citations

417
times ranked

2937
citing authors

#	ARTICLE	IF	CITATIONS
1	Tapered fiber optical tweezers for microscopic particle trapping: fabrication and application. Optics Express, 2006, 14, 12510.	3.4	208
2	Hybrid structured fiber-optic Fabry-Perot interferometer for simultaneous measurement of strain and temperature. Optics Letters, 2014, 39, 5267.	3.3	115
3	Twin-core fiber optical tweezers. Optics Express, 2008, 16, 4559.	3.4	86
4	In-fiber integrated Michelson interferometer. Optics Letters, 2006, 31, 2692.	3.3	84
5	A Compact Fiber-Optic Flow Velocity Sensor Based on a Twin-Core Fiber Michelson Interferometer. IEEE Sensors Journal, 2008, 8, 1114-1117.	4.7	72
6	Twin-core fiber SPR sensor. Optics Letters, 2015, 40, 2826.	3.3	71
7	All-optical graphene-oxide humidity sensor based on a side-polished symmetrical twin-core fiber Michelson interferometer. Sensors and Actuators B: Chemical, 2019, 284, 623-627.	7.8	70
8	A Humidity Sensor Based on a Singlemode-Side Polished Multimode-Singlemode Optical Fibre Structure Coated with Gelatin. Journal of Lightwave Technology, 2017, 35, 4087-4094.	4.6	61
9	Real-time self-calibration PGC-Arctan demodulation algorithm in fiber-optic interferometric sensors. Optics Express, 2019, 27, 23593.	3.4	58
10	Pure Directional Bending Measurement With a Fiber Bragg Grating at the Connection Joint of Eccentric-Core and Single-Mode Fibers. Journal of Lightwave Technology, 2016, 34, 3288-3292.	4.6	56
11	Two-Axis Bending Sensor Based on Cascaded Eccentric Core Fiber Bragg Gratings. IEEE Photonics Technology Letters, 2016, 28, 1237-1240.	2.5	55
12	Ultra-small and highly crystallized ZnFe ₂ O ₄ nanoparticles within double graphene networks for super-long life lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 11188-11196.	10.3	55
13	Coupling characteristics between single-core fiber and multicore fiber. Optics Letters, 2006, 31, 3237.	3.3	54
14	Whispering gallery mode temperature sensor of liquid microresonator. Optics Letters, 2016, 41, 4649.	3.3	54
15	An Integrated Fiber Michelson Interferometer Based on Twin-Core and Side-Hole Fibers for Multiparameter Sensing. Journal of Lightwave Technology, 2018, 36, 993-997.	4.6	51
16	White-light interferometric fiber-optic distributed strain-sensing system. Sensors and Actuators A: Physical, 1997, 63, 177-181.	4.1	50
17	Combining Two Types of Gratings for Simultaneous Strain and Temperature Measurement. IEEE Photonics Technology Letters, 2016, 28, 477-480.	2.5	50
18	High sensitivity humidity sensor based on gelatin coated side-polished in-fiber directional coupler. Sensors and Actuators B: Chemical, 2020, 305, 127555.	7.8	50

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19	In-fiber integrated accelerometer. <i>Optics Letters</i> , 2011, 36, 2056.	3.3	49
20	Highly Sensitive Vector Curvature Sensor Based on Two Juxtaposed Fiber Michelson Interferometers With Vernier-Like Effect. <i>IEEE Sensors Journal</i> , 2019, 19, 2148-2154.	4.7	48
21	Quasi-distributed strain sensing with white-light interferometry: a novel approach. <i>Optics Letters</i> , 2000, 25, 1074.	3.3	45
22	A Temperature-Insensitive Refractive Index Sensor Based on No-Core Fiber Embedded Long Period Grating. <i>Journal of Lightwave Technology</i> , 2017, 35, 5391-5396.	4.6	45
23	Long period fiber grating and high sensitivity refractive index sensor based on hollow eccentric optical fiber. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 768-771.	7.8	43
24	Bending sensor with parallel fiber Michelson interferometers based on Vernier-like effect. <i>Optics and Laser Technology</i> , 2019, 120, 105679.	4.6	43
25	A miniature ultra long period fiber grating for simultaneous measurement of axial strain and temperature. <i>Optics and Laser Technology</i> , 2020, 126, 106121.	4.6	42
26	Dual-channel surface plasmon resonance refractive index sensor based on modified hetero-core structure fiber. <i>Optics Communications</i> , 2017, 403, 290-295.	2.1	41
27	Graphene-Coated Surface Core Fiber Polarizer. <i>Journal of Lightwave Technology</i> , 2015, 33, 349-353.	4.6	39
28	Specialty optical fibers and 2D materials for sensitivity enhancement of fiber optic SPR sensors: A review. <i>Optics and Laser Technology</i> , 2022, 152, 108167.	4.6	39
29	Asymmetrical Twin-Core Fiber Based Michelson Interferometer for Refractive Index Sensing. <i>Journal of Lightwave Technology</i> , 2011, 29, 2985-2991.	4.6	38
30	Mode division multiplexing technology for single-fiber optical trapping axial-position adjustment. <i>Optics Letters</i> , 2013, 38, 2617.	3.3	38
31	Simultaneous measurement of temperature and refractive index based on a hybrid surface plasmon resonance multimode interference fiber sensor. <i>Applied Optics</i> , 2020, 59, 1225.	1.8	38
32	A non-contact single optical fiber multi-optical tweezers probe: Design and fabrication. <i>Optics Communications</i> , 2012, 285, 4068-4071.	2.1	37
33	Ce ³⁺ /Yb ³⁺ /Er ³⁺ triply doped bismuth borosilicate glass: a potential fiber material for broadband near-infrared fiber amplifiers. <i>Scientific Reports</i> , 2016, 6, 33865.	3.3	37
34	Sensitivity coefficient evaluation of an embedded fiber-optic strain sensor. <i>Sensors and Actuators A: Physical</i> , 1998, 69, 5-11.	4.1	36
35	Embedded white light interferometer fibre optic strain sensor for monitoring crack-tip opening in concrete beams. <i>Measurement Science and Technology</i> , 1998, 9, 261-266.	2.6	36
36	Gelatin-Coated Michelson Interferometric Humidity Sensor Based on a Multicore Fiber With Helical Structure. <i>Journal of Lightwave Technology</i> , 2019, 37, 2452-2457.	4.6	36

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37	Bitapered fiber coupling characteristics between single-mode single-core fiber and single-mode multicore fiber. <i>Applied Optics</i> , 2008, 47, 3307.	2.1	35
38	Cascaded distributed multichannel fiber SPR sensor based on gold film thickness adjustment approach. <i>Sensors and Actuators A: Physical</i> , 2017, 267, 526-531.	4.1	35
39	Directional Bending Sensor Based on a Dual Side-Hole Fiber Mach-Zehnder Interferometer. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 375-378.	2.5	35
40	In-Line Mach-Zehnder Interferometric Sensor Based on a Linear Five-Core Fiber. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 635-638.	2.5	34
41	High Strain Sensitivity Temperature Sensor Based on a Secondary Modulated Tapered Long Period Fiber Grating. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	2.0	34
42	Highly Sensitive Graphene-Au Coated Plasmon Resonance PCF Sensor. <i>Sensors</i> , 2021, 21, 818.	3.8	33
43	Highly Sensitive Directional Bending Sensor Based on Eccentric Core Fiber Mach-Zehnder Modal Interferometer. <i>IEEE Sensors Journal</i> , 2016, 16, 6899-6902.	4.7	32
44	Fiber In-Line Mach-Zehnder Interferometer for Gas Pressure Sensing. <i>IEEE Sensors Journal</i> , 2018, 18, 8012-8016.	4.7	32
45	1 Å— N star coupler as a distributed fiber-optic strain sensor in a white-light interferometer. <i>Applied Optics</i> , 1998, 37, 4168.	2.1	31
46	Parallel Polished Plastic Optical Fiber-Based SPR Sensor for Simultaneous Measurement of RI and Temperature. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-8.	4.7	31
47	Simultaneous Measurement of Temperature and Curvature Based on Hollow Annular Core Fiber. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1128-1131.	2.5	30
48	Temperature Compensated Refractometer Based on Parallel Fiber Fabry-Pérot Interferometers. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1262-1265.	2.5	30
49	Detection of acoustic emission in structure using Sagnac-like fiber-loop interferometer. <i>Sensors and Actuators A: Physical</i> , 2005, 118, 6-13.	4.1	29
50	Fiber Bragg grating sensors in hollow single- and two-core eccentric fibers. <i>Optics Express</i> , 2017, 25, 144.	3.4	29
51	Embedded whispering-gallery mode microsphere resonator in a tapered hollow annular core fiber. <i>Photonics Research</i> , 2018, 6, 1124.	7.0	29
52	High extinction ratio D-shaped fiber polarizers coated by a double graphene/PMMA stack. <i>Optics Express</i> , 2017, 25, 13278.	3.4	28
53	In-fiber refractive index sensor based on single eccentric hole-assisted dual-core fiber. <i>Optics Letters</i> , 2017, 42, 4470.	3.3	28
54	Cascaded Mach-Zehnder Interferometers With Vernier Effect for Gas Pressure Sensing. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 591-594.	2.5	28

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55	All fiber compact bending sensor with high sensitivity based on a multimode fiber embedded chirped long-period grating. <i>Optics Letters</i> , 2020, 45, 4172.	3.3	28
56	Refractive Index Sensing Characteristics of Single-Mode Fiber-Based Modal Interferometers. <i>Journal of Lightwave Technology</i> , 2014, 32, 1734-1740.	4.6	27
57	In-fiber integrated gas pressure sensor based on a hollow optical fiber with two cores. <i>Sensors and Actuators A: Physical</i> , 2018, 272, 23-27.	4.1	27
58	A High-Temperature Humidity Sensor Based on a Singlemode-Side Polished Multimode-Singlemode Fiber Structure. <i>Journal of Lightwave Technology</i> , 2018, 36, 2730-2736.	4.6	27
59	In-fiber whispering-gallery mode microsphere resonator-based integrated device. <i>Optics Letters</i> , 2018, 43, 3961.	3.3	27
60	A phase-shifted long period fiber grating based on filament heating method for simultaneous measurement of strain and temperature. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 075801.	2.2	26
61	A novel Michelson Fabry-Perot hybrid interference sensor based on the micro-structured fiber. <i>Optics Communications</i> , 2016, 374, 58-63.	2.1	26
62	Liquid Level Sensor Based on a V-Groove Structure Plastic Optical Fiber. <i>Sensors</i> , 2018, 18, 3111.	3.8	26
63	Three-core fiber-based shape-sensing application. <i>Optics Letters</i> , 2008, 33, 578.	3.3	25
64	Long period fiber grating in two-core hollow eccentric fiber. <i>Optics Express</i> , 2015, 23, 33378.	3.4	25
65	Hollow fiber SPR sensor available for microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 211-216.	7.8	25
66	High-Sensitivity Strain and Temperature Simultaneous Measurement Sensor Based on Multimode Fiber Chirped Long-Period Grating. <i>IEEE Sensors Journal</i> , 2020, 20, 14843-14849.	4.7	25
67	White-light interferometric fiber-optic strain sensor from three-peak-wavelength broadband LED source. <i>Applied Optics</i> , 1997, 36, 6246.	2.1	24
68	Spider silk-based tapered optical fiber for humidity sensing based on multimode interference. <i>Sensors and Actuators A: Physical</i> , 2020, 313, 112179.	4.1	24
69	Spider silk-based humidity sensor. <i>Optics Letters</i> , 2019, 44, 2907.	3.3	24
70	Four-beam single fiber optic interferometer and its sensing characteristics. <i>Sensors and Actuators A: Physical</i> , 2007, 138, 9-15.	4.1	23
71	Four-Core Optical Fiber Micro-Hand. <i>Journal of Lightwave Technology</i> , 2012, 30, 1487-1491.	4.6	23
72	Compact all-fiber plasmonic Airy-like beam generator. <i>Optics Letters</i> , 2014, 39, 1113.	3.3	23

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73	3-dimensional dark traps for low refractive index bio-cells using a single optical fiber Bessel beam. <i>Optics Letters</i> , 2018, 43, 2784.	3.3	23
74	Coupling Theoretical Model Between Single-Core Fiber and Twin-Core Fiber. <i>Journal of Lightwave Technology</i> , 2009, 27, 5235-5239.	4.6	22
75	Optical refractometer based on an asymmetrical twin-core fiber Michelson interferometer. <i>Optics Letters</i> , 2011, 36, 3221.	3.3	22
76	A novel polyvinyl alcohol and hypromellose gap-coated humidity sensor based on a Mach-Zehnder interferometer with off-axis spiral deformation. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 323-329.	7.8	22
77	Ultra-high sensitivity SPR temperature sensor based on a helical-core fiber. <i>Optics Express</i> , 2021, 29, 22417.	3.4	22
78	Graphene decorated twin-core fiber Michelson interferometer for all-optical phase shifter and switch. <i>Optics Letters</i> , 2020, 45, 177.	3.3	22
79	Plastic Optical Fiber Based SPR Sensor for Simultaneous Measurement of Refractive Index and Liquid Level. <i>IEEE Sensors Journal</i> , 2022, 22, 6677-6684.	4.7	22
80	Multiple Particles 3-D Trap Based on All-Fiber Bessel Optical Probe. <i>Journal of Lightwave Technology</i> , 2017, 35, 3849-3853.	4.6	21
81	High Sensitive Directional Torsion Sensor Based on a Segmented Long-Period Fiber Grating. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 2179-2182.	2.5	21
82	A cascade structure made by two types of gratings for simultaneous measurement of temperature and strain. <i>Optical Fiber Technology</i> , 2018, 42, 105-108.	2.7	21
83	Refractive Index Sensor Based on Twisted Tapered Plastic Optical Fibers. <i>Photonics</i> , 2019, 6, 40.	2.0	21
84	Highly sensitive vector curvature sensor based on a triple-core fiber interferometer. <i>OSA Continuum</i> , 2019, 2, 1953.	1.8	21
85	Intensity-Modulated Polymer Optical Fiber-Based Refractive Index Sensor: A Review. <i>Sensors</i> , 2022, 22, 81.	3.8	21
86	Loop topology based white light interferometric fiber optic sensor network for application of perimeter security. <i>Photonic Sensors</i> , 2011, 1, 260-267.	5.0	20
87	Bending characteristics of a long-period fiber grating in a hollow eccentric optical fiber. <i>Applied Optics</i> , 2015, 54, 7879.	2.1	20
88	Optofluidic twin-core hollow fiber interferometer for label-free sensing of the streptavidin-biotin binding. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 353-359.	7.8	20
89	Directional torsion and strain discrimination based on Mach-Zehnder interferometer with off-axis twisted deformations. <i>Optics and Laser Technology</i> , 2019, 120, 105754.	4.6	20
90	Arc-discharge-induced off-axis spiral long period fiber gratings and their sensing characteristics. <i>Optical Fiber Technology</i> , 2019, 52, 101950.	2.7	20

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91	Refractive Index Sensor Based on Fiber Bragg Grating in Hollow Suspended-Core Fiber. IEEE Sensors Journal, 2019, 19, 11961-11964.	4.7	20
92	The Influence of Structural Parameters on the Surface Plasmon Resonance Sensor Based on a Side-Polished Macrobending Plastic Optical Fiber. IEEE Sensors Journal, 2020, 20, 4245-4250.	4.7	20
93	An Enhanced Plastic Optical Fiber-Based Surface Plasmon Resonance Sensor with a Double-Sided Polished Structure. Sensors, 2021, 21, 1516.	3.8	20
94	Compact fiber strain sensor fabricated by a CO ₂ laser. Optics Letters, 2020, 45, 4156.	3.3	20
95	All-Optical Modulation Technology Based on 2D Layered Materials. Micromachines, 2022, 13, 92.	2.9	20
96	Recent progress of white light interferometric fiberoptic strain sensing techniques. Review of Scientific Instruments, 2000, 71, 4648.	1.3	19
97	Two-loop-based low-coherence multiplexing fiber-optic sensor network with a Michelson optical path demodulator. Optics Letters, 2005, 30, 601.	3.3	19
98	Microfluidic in-fiber oxygen sensor derivates from a capillary optical fiber with a ring-shaped waveguide. Sensors and Actuators B: Chemical, 2013, 182, 571-575.	7.8	19
99	Quasi-distributed birefringence dispersion measurement for polarization maintain device with high accuracy based on white light interferometry. Optics Express, 2016, 24, 1587.	3.4	19
100	Single optical tweezers based on elliptical core fiber. Optics Communications, 2016, 365, 103-107.	2.1	19
101	In-Fiber M-Z Interferometer Based on Cascaded Long Period Gratings in Embedded-Core Fiber. IEEE Photonics Technology Letters, 2017, 29, 1876-1879.	2.5	19
102	Laser-Induced Microsphere Hammer-Hit Vibration in Liquid. Physical Review Letters, 2018, 121, 133901.	7.8	19
103	An All-Optical Vector Magnetic Field Sensor Based on Magnetic Fluid and Side-Polished Hollow-Core Optical Fiber. IEEE Sensors Journal, 2021, 21, 21410-21416.	4.7	19
104	Tunable circular dichroism based on graphene-metal split ring resonators. Optics Express, 2021, 29, 21020.	3.4	19
105	Optical path automatic compensation low-coherence interferometric fibre-optic temperature sensor. Optics and Laser Technology, 1998, 30, 33-38.	4.6	18
106	Fiber optic temperature sensor with duplex Michelson interferometric technique. Sensors and Actuators A: Physical, 2000, 86, 2-7.	4.1	18
107	Integrated fiber Michelson interferometer based on poled hollow twin-core fiber. Optics Letters, 2011, 36, 2435.	3.3	18
108	Full Evaluation of Polarization Characteristics of Multifunctional Integrated Optic Chip With High Accuracy. Journal of Lightwave Technology, 2014, 32, 4243-4252.	4.6	18

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109	Multi-Dimensional Manipulation of Yeast Cells Using a LP ₁₁ Mode Beam. <i>Journal of Lightwave Technology</i> , 2014, 32, 1098-1103.	4.6	18
110	Modal Interferometer Using Three-Core Fiber for Simultaneous Measurement Strain and Temperature. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	2.0	18
111	Displacement Sensor Based on a Small U-Shaped Single-Mode Fiber. <i>Sensors</i> , 2019, 19, 2531.	3.8	18
112	Humidity Sensor Based on an In-Fiber Integrated Mach-Zehnder Interferometer. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 393-396.	2.5	18
113	A Long Period Grating Sensor Based on Helical Capillary Optical Fiber. <i>Journal of Lightwave Technology</i> , 2021, 39, 4884-4891.	4.6	18
114	Optofluidic in-fiber integrated surface-enhanced Raman spectroscopy detection based on a hollow optical fiber with a suspended core. <i>Optics Letters</i> , 2019, 44, 5173.	3.3	18
115	Investigation of a coated optical fiber strain sensor embedded in a linear strain matrix material. <i>Optics and Lasers in Engineering</i> , 2001, 35, 251-260.	3.8	17
116	Low-coherence fiber-optic sensor ring network based on a Mach-Zehnder interrogator. <i>Optics Letters</i> , 2002, 27, 894.	3.3	17
117	Long-gauge length embedded fiber optic ultrasonic sensor for large-scale concrete structures. <i>Optics and Laser Technology</i> , 2004, 36, 11-17.	4.6	17
118	Generation of Airy-like wave with one-dimensional waveguide array. <i>Optics Letters</i> , 2013, 38, 1645.	3.3	17
119	Dynamic range beyond 100 dB for polarization mode coupling measurement based on white light interferometer. <i>Optics Express</i> , 2016, 24, 16247.	3.4	17
120	Annular arrayed-waveguide fiber for autofocusing Airy-like beams. <i>Optics Letters</i> , 2016, 41, 824.	3.3	17
121	Fiber-Based Optical Gun for Particle Shooting. <i>ACS Photonics</i> , 2017, 4, 642-648.	6.6	17
122	Optofluidic in-fiber interferometer based on hollow optical fiber with two cores. <i>Optics Express</i> , 2017, 25, 18205.	3.4	17
123	High Sensitive Directional Twist Sensor Based on a Mach-Zehnder Interferometer. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	2.0	17
124	High Sensitivity Refractometer Based on a Tapered-Single Mode-No Core-Single Mode Fiber Structure. <i>Sensors</i> , 2019, 19, 1722.	3.8	17
125	FBG Smart Bolts and Their Application in Power Grids. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 2515-2521.	4.7	17
126	Refractive index and temperature measurement by cascading macrobending fiber and a sealed alternated SMF-MMF structure. <i>Optics Communications</i> , 2021, 485, 126738.	2.1	17

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127	Simultaneous trapping of low-index and high-index microparticles using a single optical fiber Bessel beam. <i>Optics and Lasers in Engineering</i> , 2020, 131, 106119.	3.8	17
128	Sensitivity-enhanced humidity sensor based on helix structure-assisted Mach-Zehnder interference. <i>Optics Express</i> , 2019, 27, 35609.	3.4	17
129	Characteristics of Near-Surface-Core Optical Fibers. <i>Journal of Lightwave Technology</i> , 2011, 29, 3004-3008.	4.6	16
130	Single-fiber tweezers applied for dye lasing in a fluid droplet. <i>Optics Letters</i> , 2016, 41, 2966.	3.3	16
131	An Overlap-Splicing-Based Cavity in FBG Sensor for the Measurement of Strain and Temperature. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 235-238.	2.5	16
132	Proposed phase plate for superimposed orbital angular momentum state generation. <i>Optics Express</i> , 2018, 26, 14792.	3.4	16
133	A Highly Sensitive Torsion Sensor With a New Fabrication Method. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 463-466.	2.5	16
134	Torsion and Temperature Sensor Based on Polished MSM Structure. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1117-1120.	2.5	16
135	Multifunctional fiber-optic sensor, based on helix structure and fiber Bragg gratings, for shape sensing. <i>Optics and Laser Technology</i> , 2021, 143, 107327.	4.6	16
136	Investigation of a novel SMS fiber based planar multimode waveguide and its sensing performance. <i>Optics Express</i> , 2018, 26, 26534.	3.4	16
137	Multi-parameter sensing based on surface plasma resonance with tungsten disulfide sheets coated. <i>Optics Express</i> , 2020, 28, 6084.	3.4	16
138	Microfiber interferometer integrated with Au nanorods for an all-fiber phase shifter and switch. <i>Optics Letters</i> , 2019, 44, 1092.	3.3	16
139	Super-low-power optical trapping of a single nanoparticle. <i>Optics Letters</i> , 2019, 44, 5165.	3.3	16
140	Tunable and switchable bifunctional meta-surface for plasmon-induced transparency and perfect absorption. <i>Optical Materials Express</i> , 2022, 12, 560.	3.0	16
141	A Stable Twin-Core-Fiber-Based Integrated Coupler Fabricated by Thermally Diffused Core Technique. <i>Journal of Lightwave Technology</i> , 2017, 35, 5473-5478.	4.6	15
142	Distributed Measurement of Polarization Characteristics for a Multifunctional Integrated Optical Chip: A Review. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 1543-1553.	4.7	15
143	High Sensitive Torsion Sensor Based on Cascaded Pre-Twisted Taper and Multi-Mode Fiber Sheets. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1588-1591.	2.5	15
144	Optical attraction of strongly absorbing particles in liquids. <i>Optics Express</i> , 2019, 27, 12414.	3.4	15

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145	Polarization controllable generation of flat superimposed OAM states based on metasurface. Optics Express, 2019, 27, 20133.	3.4	15
146	Tunable optical-path correlator for distributed strain or temperature-sensing application. Optics Letters, 2010, 35, 3357.	3.3	14
147	Two-dimensional Airy-like beam generation by coupling waveguides. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1404.	1.5	14
148	A Novel Temperature Sensor Based on Optical Trapping Technology. Journal of Lightwave Technology, 2014, 32, 1394-1398.	4.6	14
149	An in-fiber integrated optofluidic device based on an optical fiber with an inner core. Lab on A Chip, 2014, 14, 2090.	6.0	14
150	HACF-based optical tweezers available for living cells manipulating and sterile transporting. Optics Communications, 2018, 427, 563-566.	2.1	14
151	Graphene Oxide Sensitized No-Core Fiber Step-Index Distribution Sucrose Sensor. Photonics, 2020, 7, 101.	2.0	14
152	High Q-Factor Hybrid Metamaterial Waveguide Multi-Fano Resonance Sensor in the Visible Wavelength Range. Nanomaterials, 2021, 11, 1583.	4.1	14
153	Ultrasensitive Strain Sensor Based on Mach-Zehnder Interferometer With Bent Structures. Journal of Lightwave Technology, 2021, 39, 6958-6967.	4.6	14
154	Highly sensitive strain sensor based on a long-period fiber grating with chain-shaped structure. Applied Optics, 2020, 59, 10278.	1.8	14
155	Refractive index sensor based on etched eccentric core few-mode fiber dual-mode interferometer. Optics Express, 2019, 27, 28104.	3.4	14
156	Investigation of U-shape tapered plastic optical fibers based surface plasmon resonance sensor for RI sensing. Optik, 2022, 251, 168461.	2.9	14
157	Enhanced multiplexing capacity of low-coherence reflectometric sensors with a loop topology. IEEE Photonics Technology Letters, 2002, 14, 1157-1159.	2.5	13
158	Highly sensitive curvature sensor based on long period fiber grating with alternately splicing multiple single/multimode structure. Optical Fiber Technology, 2017, 37, 69-73.	2.7	13
159	Optical trapping and axial shifting for strongly absorbing particle with single focused TEM00 Gaussian beam. Applied Physics Letters, 2018, 113, 091101.	3.3	13
160	Quasi-Distributed Directional Bending Sensor Based on Fiber Bragg Gratings Array in Triangle-Four Core Fiber. IEEE Sensors Journal, 2019, 19, 10728-10735.	4.7	13
161	Ultrasensitive temperature sensor based on a urethane acrylate-coated off-axis spiral long period fiber grating. Optik, 2020, 223, 165557.	2.9	13
162	Distributed Polarization Measurement for Fiber Sensing Coils: A Review. Journal of Lightwave Technology, 2021, 39, 3699-3710.	4.6	13

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163	Dual-truncated-cone structure for quasi-distributed multichannel fiber surface plasmon resonance sensor. <i>Optics Letters</i> , 2016, 41, 4320.	3.3	13
164	Enhancement of multiplexing capability of low-coherence interferometric fiber sensor array by use of a loop topology. <i>Journal of Lightwave Technology</i> , 2003, 21, 1313-1319.	4.6	12
165	Ultracompact metaimage display and encryption with a silver nanopolarizer based metasurface. <i>Applied Physics Letters</i> , 2020, 117, 021105.	3.3	12
166	A Novel Twist Sensor Based on Long-Period Fiber Grating Written in Side-Helical Polished Structure. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 275-278.	2.5	12
167	Review of Optical Fiber Sensor Network Technology Based on White Light Interferometry. <i>Photonic Sensors</i> , 2021, 11, 31-44.	5.0	12
168	In-fiber optofluidic online SERS detection of trace uremia toxin. <i>Optics Letters</i> , 2021, 46, 1101.	3.3	12
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