

Li-bo Yuan

List of Publications by Year in descending order

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412
papers

5,828
citations

109264

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189801

50
g-index

417
all docs

417
docs citations

417
times ranked

2937
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong convergent LP11 beam for nanoparticles trapping. Optics Communications, 2022, 503, 127446.	1.0	1
2	Spider dragline silk-based FP humidity sensor with ultra-high sensitivity. Sensors and Actuators B: Chemical, 2022, 350, 130895.	4.0	9
3	Reliability Demodulation Algorithm Design for Phase Generated Carrier Signal. IEEE Transactions on Reliability, 2022, 71, 127-138.	3.5	10
4	All-Optical Modulation Technology Based on 2D Layered Materials. Micromachines, 2022, 13, 92.	1.4	20
5	Tunable and switchable bifunctional meta-surface for plasmon-induced transparency and perfect absorption. Optical Materials Express, 2022, 12, 560.	1.6	16
6	A Temperature Sensor Based on Composite Optical Waveguide. Journal of Lightwave Technology, 2022, 40, 2663-2669.	2.7	10
7	Investigation of U-shape tapered plastic optical fibers based surface plasmon resonance sensor for RI sensing. Optik, 2022, 251, 168461.	1.4	14
8	Integrated fiber-based optoelectrode for electrochemiluminescence sensing. Optics Communications, 2022, 508, 127633.	1.0	0
9	Single Fiber Optical Tweezer for Particles Multi-Dimensional Arrangement. Journal of Lightwave Technology, 2022, 40, 1144-1149.	2.7	6
10	Intelligent all-fiber device: storage and logic computing. Photonics Research, 2022, 10, 357.	3.4	8
11	Cascaded Dual-Channel Fiber SPR Sensor Based on $\text{Ge}_2\text{Sb}_2\text{Te}_5$. IEEE Sensors Journal, 2022, 22, 4083-4089.	2.4	8
12	Bend Sensor Based on Mach-Zehnder Interferometer Using Single-Mode Fiber With Helical Structure. IEEE Photonics Technology Letters, 2022, 34, 15-18.	1.3	5
13	Dual Mode Interference Magnetic-Field Sensor Based on Hollow Suspended-Core Fiber. IEEE Photonics Technology Letters, 2022, 34, 43-46.	1.3	3
14	A Torsion Sensor Based on a Core-Deformed Long Period Fiber Grating. IEEE Photonics Technology Letters, 2022, 34, 55-58.	1.3	3
15	High Sensitivity Strain Sensor Based on Micro-Helix Micro Taper Long Period Fiber Grating. IEEE Photonics Technology Letters, 2022, 34, 432-435.	1.3	7
16	Fiber End-Facet Integrated Non-Volatile Optical Switch Based On $\text{Ge}_2\text{Sb}_2\text{Te}_5$. Journal of Lightwave Technology, 2022, 40, 3968-3973.	2.7	1
17	Investigation on the Dependence of Directional Torsion Measurement on Multimode Fiber Geometry. Journal of Lightwave Technology, 2022, 40, 3997-4002.	2.7	1
18	Design and Analysis of a Photon Counting System Using Covered Single-Photon Avalanche Photodiode. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	2.4	6

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19	Ultrafast metamaterial all-optical switching based on coherent modulation. Optics Express, 2022, 30, 9284.	1.7	4
20	On-Chip Photon Angular Momentum Absolute Measurement Based on Angle Detection. Nanomaterials, 2022, 12, 847.	1.9	0
21	Plastic Optical Fiber Based SPR Sensor for Simultaneous Measurement of Refractive Index and Liquid Level. IEEE Sensors Journal, 2022, 22, 6677-6684.	2.4	22
22	A highly sensitive torsion sensor based on symmetrically polished SMS fiber structure. Sensors and Actuators A: Physical, 2022, 338, 113478.	2.0	6
23	Intensity-Modulated Polymer Optical Fiber-Based Refractive Index Sensor: A Review. Sensors, 2022, 22, 81.	2.1	21
24	Fiber-integrated optical tweezers for ballistic transport and trapping yeast cells. Nanoscale, 2022, 14, 6941-6948.	2.8	8
25	Specialty optical fibers and 2D materials for sensitivity enhancement of fiber optic SPR sensors: A review. Optics and Laser Technology, 2022, 152, 108167.	2.2	39
26	A Compact Sensor Capable of Temperature, Strain, Torsion and Curvature Measuring. Journal of Lightwave Technology, 2022, 40, 4896-4902.	2.7	8
27	An Improved Strain Sensor Based on Long-Period Fiber Grating With a Local Ellipse-Core Structure. IEEE Sensors Journal, 2022, 22, 11756-11762.	2.4	2
28	Sinusoidal-Core Long Period Fiber Grating for Refractive Index Measurement. Journal of Lightwave Technology, 2022, 40, 4903-4910.	2.7	11
29	Multifunctional analysis and verification of lightning-type electromagnetic metasurfaces. Optics Express, 2022, 30, 17008.	1.7	11
30	Directional torsion sensor based on long period fiber gratings inscribed by periodically micro taper. Optical Fiber Technology, 2022, 71, 102908.	1.4	6
31	All-optical vector magnetic field sensor based on a side-polished two-core fiber Michelson interferometer. Optics Express, 2022, 30, 22746.	1.7	10
32	Temperature-Compensated Multi-Point Strain Sensing Based on Cascaded FBG and Optical FMCW Interferometry. Sensors, 2022, 22, 3970.	2.1	7
33	Integrated Multifunctional Graphene Discs 2D Plasmonic Optical Tweezers for Manipulating Nanoparticles. Nanomaterials, 2022, 12, 1769.	1.9	3
34	Optical Fiber Magnetic Field Sensor Based on Silk Fibroin Hydrogel. IEEE Sensors Journal, 2022, 22, 14878-14882.	2.4	2
35	Highly Sensitive Bending Sensor Based on Multicore Optical Fiber With Diagonal Cores Reflector at the Fiber Tip. Journal of Lightwave Technology, 2022, 40, 6030-6036.	2.7	6
36	Liquid Level Sensor With High Sensitivity Based on Hetero Core Structure. IEEE Sensors Journal, 2022, 22, 14051-14057.	2.4	3

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37	Long-period fiber grating humidity sensor based on spider silks. Sensors and Actuators A: Physical, 2022, 342, 113660.	2.0	4
38	Fiber Humidity Sensor Based on SF-LiBr Composite Film. IEEE Sensors Journal, 2022, 22, 16886-16891.	2.4	6
39	High-sensitivity strain sensor based on a helical-core long-period fiber grating. Optics Letters, 2022, 47, 3748.	1.7	3
40	All-fiber nonvolatile broadband optical switch using an all-optical method. Optics Letters, 2022, 47, 3604.	1.7	7
41	A dark hollow beam generator based on special optical fiber with long period fiber grating. Optics and Laser Technology, 2021, 134, 106598.	2.2	2
42	Thermal Diffusion Technique for In-Fiber Discrete Waveguide Manipulation and Modification: A Tutorial. Journal of Lightwave Technology, 2021, 39, 3638-3653.	2.7	8
43	High Accuracy Distributed Polarization Extinction Ratio Measurement For a Polarization-Maintaining Device With Strong Polarization Crosstalk. Journal of Lightwave Technology, 2021, 39, 2177-2186.	2.7	6
44	Highly Sensitive Flexible Surface Plasmon Resonance Sensor Based on Side-Polishing Helical-Core Fiber: Theoretical Analysis and Experimental Demonstration. Advanced Photonics Research, 2021, 2, 2000054.	1.7	6
45	A Twin-Core and Dual-Hole Fiber Design and Fabrication. Journal of Lightwave Technology, 2021, 39, 4028-4033.	2.7	4
46	Design and Fabrication of a Functional Fiber for Micro Flow Sensing. Journal of Lightwave Technology, 2021, 39, 290-294.	2.7	5
47	Rotating Angle Modulation Method for Improving the Measurement Performance of LRSR Sensor. IEEE Sensors Journal, 2021, 21, 14876-14886.	2.4	5
48	Review of Optical Fiber Sensor Network Technology Based on White Light Interferometry. Photonic Sensors, 2021, 11, 31-44.	2.5	12
49	Photosensitive Polymer-Based Micro-Nano Long-Period Fiber Grating for Refractive Index Sensing. Journal of Lightwave Technology, 2021, 39, 6952-6957.	2.7	9
50	Parallel Polished Plastic Optical Fiber-Based SPR Sensor for Simultaneous Measurement of RI and Temperature. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	2.4	31
51	Ultra-compact Universal Linear-Optical Logic Gate Based on Single Rectangle Plasmonic Slot Nanoantenna. Plasmonics, 2021, 16, 973-980.	1.8	1
52	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.	2.4	19
53	High-Sensitivity Refractive Index Sensor Based on a Cascaded Core-Offset and Macrobending Single-Mode Fiber Interferometer. Frontiers in Materials, 2021, 7, .	1.2	11
54	Spider silk-based fiber magnetic field sensor. Journal of Lightwave Technology, 2021, , 1-1.	2.7	4

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55	Compact all-fiber thermo-optic modulator based on a Michelson interferometer coated with NaNdF ₄ nanoparticles. <i>Optics Express</i> , 2021, 29, 6854.	1.7	5
56	An Enhanced Plastic Optical Fiber-Based Surface Plasmon Resonance Sensor with a Double-Sided Polished Structure. <i>Sensors</i> , 2021, 21, 1516.	2.1	20
57	In-fiber optofluidic online SERS detection of trace uremia toxin. <i>Optics Letters</i> , 2021, 46, 1101.	1.7	12
58	Wide-range tunable, dual-band, background refractive index insensitive terahertz absorber based on graphene and Dirac semimetal. <i>Optical Engineering</i> , 2021, 60, .	0.5	3
59	Design and Analysis of an Afterpulsing Auto-Correction System for Single Photon Avalanche Diodes. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 293-296.	1.3	5
60	High Torsion Sensitivity Sensor Based on LPFG With Unique Geometric Structure. <i>IEEE Sensors Journal</i> , 2021, 21, 6217-6223.	2.4	12
61	Refractive index and temperature measurement by cascading macrobending fiber and a sealed alternated SMF-MMF structure. <i>Optics Communications</i> , 2021, 485, 126738.	1.0	17
62	Determination of the antibiotic minocycline by integrated optofluidic microstructured polymer optical fiber chemiluminescence. <i>Instrumentation Science and Technology</i> , 2021, 49, 571-584.	0.9	6
63	Temperature and Refractive Index-Independent Mode Converter Based on Tapered Hole-Assisted Dual-Core Fiber. <i>Journal of Lightwave Technology</i> , 2021, 39, 2522-2527.	2.7	2
64	All-Fiber Hollow Bessel-Like Beam for Large-Size Particle Trap. <i>Journal of Lightwave Technology</i> , 2021, 39, 3291-3296.	2.7	3
65	A spiral-polished fiber sensor for strain and temperature measurement. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	1.1	1
66	On-chip continuous position control of phase singularities in nanoscale. <i>Optics Express</i> , 2021, 29, 17375.	1.7	0
67	Review of Helical Long-Period Fiber Gratings. <i>Photonics</i> , 2021, 8, 193.	0.9	7
68	All-fiber bidirectional optical modulator derives from the microfiber coated with ITO electrode. <i>Optics Letters</i> , 2021, 46, 2497.	1.7	5
69	SPR sensor based on Bessel-like beam. <i>Optics Express</i> , 2021, 29, 18305.	1.7	9
70	In-situ SERS detection of quinolone antibiotic residues in water environment based on the optofluidic in-fiber integrated Ag NPs. <i>Applied Optics</i> , 2021, 60, 6659-6664.	0.9	4
71	High Q-Factor Hybrid Metamaterial Waveguide Multi-Fano Resonance Sensor in the Visible Wavelength Range. <i>Nanomaterials</i> , 2021, 11, 1583.	1.9	14
72	Ultra-high sensitivity SPR temperature sensor based on a helical-core fiber. <i>Optics Express</i> , 2021, 29, 22417.	1.7	22

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73	Highly sensitive vector bending sensor based on an embedded multimode D-shaped LPFG. Optics Express, 2021, 29, 22813.	1.7	10
74	Distributed Polarization Measurement for Fiber Sensing Coils: A Review. Journal of Lightwave Technology, 2021, 39, 3699-3710.	2.7	13
75	A strain sensor with low temperature crosstalk based on re-modulation of D-shaped LPFG. Measurement: Journal of the International Measurement Confederation, 2021, 177, 109300.	2.5	7
76	Tunable circular dichroism based on graphene-metal split ring resonators. Optics Express, 2021, 29, 21020.	1.7	19
77	Mode division multiplexing for multiple particles noncontact simultaneous trap. Optics Letters, 2021, 46, 3017.	1.7	8
78	A Long Period Grating Sensor Based on Helical Capillary Optical Fiber. Journal of Lightwave Technology, 2021, 39, 4884-4891.	2.7	18
79	Dual-color meta-image display with a silver nanopolarizer based metasurface. Optics Express, 2021, 29, 25894.	1.7	5
80	Light-induced micro-vibrator with controllable amplitude and frequency. Optics Express, 2021, 29, 27228.	1.7	1
81	Multicore fiber integrated beam shaping devices for long-range plasmonic trapping. Optics Express, 2021, 29, 28416.	1.7	1
82	Supercontraction of spider dragline silk for humidity sensing. Optics Express, 2021, 29, 28864.	1.7	3
83	All-Fiber Optical Waveform Converter Based on Deformed Catenary Nanostructure. Advanced Photonics Research, 2021, 2, 2100042.	1.7	6
84	Broadband tunable perfect absorber with high absorptivity based on double layer graphene. Optical Materials Express, 2021, 11, 3398.	1.6	10
85	Refractometer based on fiber Mach-Zehnder interferometer composed of two micro bending cores. Optics Express, 2021, 29, 31443.	1.7	12
86	Sensing Characteristics of Collapsed Long Period Fiber Gratings in Tri-Hole Fiber. Journal of Lightwave Technology, 2021, 39, 6008-6012.	2.7	8
87	Surface-Enhanced Raman Spectroscopy Detection of Cerebrospinal Fluid Glucose Based on the Optofluidic In-Fiber-Integrated Composites of Graphene Oxide, Silver Nanoparticles, and 4-Mercaptophenylboronic Acid. ACS Applied Nano Materials, 2021, 4, 10784-10790.	2.4	11
88	Simultaneous temperature and bending sensor based on Fabry-Perot interferometer with Vernier effect. Optical Fiber Technology, 2021, 66, 102657.	1.4	9
89	Measurement of liquid thermo-optical coefficient based on all-fiber hybrid FPI-SPR sensor. Sensors and Actuators A: Physical, 2021, 331, 112954.	2.0	8
90	Multifunctional fiber-optic sensor, based on helix structure and fiber Bragg gratings, for shape sensing. Optics and Laser Technology, 2021, 143, 107327.	2.2	16

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91	On-line SERS detection of bilirubin based on the optofluidic in-fiber integrated GO/Ag NPs for rapid diagnosis of jaundice. <i>Talanta</i> , 2021, 234, 122692.	2.9	4
92	Ultrasensitive Strain Sensor Based on Mach-Zehnder Interferometer With Bent Structures. <i>Journal of Lightwave Technology</i> , 2021, 39, 6958-6967.	2.7	14
93	Optical detection of ammonia in water using integrated up-conversion fluorescence in a fiberized microsphere. <i>Journal of Lightwave Technology</i> , 2021, , 1-1.	2.7	1
94	Highly Sensitive Graphene-Au Coated Plasmon Resonance PCF Sensor. <i>Sensors</i> , 2021, 21, 818.	2.1	33
95	Design of a Real-Time Breakdown Voltage and On-Chip Temperature Monitoring System for Single Photon Avalanche Diodes. <i>Electronics (Switzerland)</i> , 2021, 10, 25.	1.8	2
96	All-Fiber Strain Sensor Based on Dual Side V-Grooved Long-Period Fiber Grating. <i>IEEE Sensors Journal</i> , 2021, 21, 21572-21576.	2.4	3
97	Fabrication and application of a novel long period fiber grating with arched fiber cores. <i>Optical Fiber Technology</i> , 2021, 67, 102708.	1.4	2
98	High Sensitivity Humidity Sensor Based on Side-Polished Eccentric Hole-Assisted Dual-Core Fiber. , 2021, , .		0
99	Humidity Sensor Based on Twin-Core Fiber Coated By Graphene-Oxide. , 2021, , .		0
100	Ultra-broadband perfect solar energy absorber based on tungsten ring arrays. <i>Engineering Research Express</i> , 2021, 3, 045020.	0.8	6
101	Simulation of On-Chip Broadband Photon Spin Router Base on Nondiffracting Surface Plasmon Beam Launching. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10643.	1.3	4
102	Unconditionally Secure Relativistic Quantum Qubit Commitment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11416.	1.3	0
103	FBG Smart Bolts and Their Application in Power Grids. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 2515-2521.	2.4	17
104	All-fiber phase shifter based on hollow fiber interferometer integrated with Au nanorods. <i>Sensors and Actuators A: Physical</i> , 2020, 301, 111750.	2.0	3
105	Double-cladding optical fiber design and optimization for simplifying the STED system. <i>Optical Fiber Technology</i> , 2020, 54, 102108.	1.4	2
106	High sensitivity humidity sensor based on gelatin coated side-polished in-fiber directional coupler. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127555.	4.0	50
107	All-Fiber Active Tractor Beam Generator and its Application. <i>Journal of Lightwave Technology</i> , 2020, 38, 1420-1426.	2.7	3
108	A compact refractive index sensor with high sensitivity based on multimode interference. <i>Sensors and Actuators A: Physical</i> , 2020, 315, 112360.	2.0	11

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109	Twisted tapered plastic optical fibers for continuous liquid level sensing. <i>Optical Fiber Technology</i> , 2020, 59, 102318.	1.4	5
110	Ultracompact metaimage display and encryption with a silver nanopolarizer based metasurface. <i>Applied Physics Letters</i> , 2020, 117, 021105.	1.5	12
111	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.	2.4	25
112	Robust whispering gallery mode resonator for humidity measurement. <i>Optical Fiber Technology</i> , 2020, 60, 102378.	1.4	2
113	Graphene Oxide Sensitized No-Core Fiber Step-Index Distribution Sucrose Sensor. <i>Photonics</i> , 2020, 7, 101.	0.9	14
114	Torsion and Temperature Sensor Based on Polished MSM Structure. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1117-1120.	1.3	16
115	Ultrasensitive temperature sensor based on a urethane acrylate-coated off-axis spiral long period fiber grating. <i>Optik</i> , 2020, 223, 165557.	1.4	13
116	A New Sensor for Simultaneous Measurement of Strain and Temperature. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1253-1256.	1.3	7
117	Connecting Technologies for Coaxial Dual Core Optical Fiber. <i>Journal of Lightwave Technology</i> , 2020, 38, 6629-6634.	2.7	1
118	A new strain sensor based on depth-modulated long-period fiber grating. <i>Infrared Physics and Technology</i> , 2020, 111, 103520.	1.3	10
119	Color Variation of the Up-Conversion Luminescence in Er ³⁺ -Yb ³⁺ Co-Doped Lead Germanate Glasses and Microsphere Integrated Devices. <i>Journal of Lightwave Technology</i> , 2020, 38, 4397-4401.	2.7	3
120	Coherent Perfect Absorber Based on Antisymmetric Metasurface With Gain Material. <i>IEEE Photonics Journal</i> , 2020, 12, 1-9.	1.0	1
121	High precision roughness sensor based on annular core optical fiber. <i>Review of Scientific Instruments</i> , 2020, 91, 065001.	0.6	4
122	All-fiber spectral modulating device based on microfiber interferometer grown with tungsten disulfide. <i>Instrumentation Science and Technology</i> , 2020, 48, 505-517.	0.9	2
123	Spider Silk-Based Improved Multimode Interference Structure for Humidity Sensing. <i>IEEE Sensors Journal</i> , 2020, 20, 7069-7073.	2.4	5
124	Wide-range frequency tunable absorber based on cross-groove metamaterials and graphene-sheet. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 255102.	1.3	4
125	Spider silk-based tapered optical fiber for humidity sensing based on multimode interference. <i>Sensors and Actuators A: Physical</i> , 2020, 313, 112179.	2.0	24
126	Investigation on the Polarization Dependence of An Angled Polished Multimode Fibre Structure. <i>Journal of Lightwave Technology</i> , 2020, 38, 4520-4525.	2.7	8

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127	A miniature ultra long period fiber grating for simultaneous measurement of axial strain and temperature. Optics and Laser Technology, 2020, 126, 106121.	2.2	42
128	A Compact Refractometer With High Sensitivity Based on Multimode Fiber Embedded Single Mode-No Core-Single Mode Fiber Structure. Journal of Lightwave Technology, 2020, 38, 1929-1935.	2.7	11
129	A Novel Twist Sensor Based on Long-Period Fiber Grating Written in Side-Helical Polished Structure. IEEE Photonics Technology Letters, 2020, 32, 275-278.	1.3	12
130	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.	2.4	20
131	Self-Calibrated Absolute Thickness Measurement of Opaque Specimen Based on Differential White Light Interferometry. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2507-2514.	2.4	8
132	Simultaneous trapping of low-index and high-index microparticles using a single optical fiber Bessel beam. Optics and Lasers in Engineering, 2020, 131, 106119.	2.0	17
133	Simultaneous measurement of temperature and refractive index based on a hybrid surface plasmon resonance multimode interference fiber sensor. Applied Optics, 2020, 59, 1225.	0.9	38
134	Few-mode fiber-embedded long-period fiber grating for simultaneous measurement of refractive index and temperature. Applied Optics, 2020, 59, 9248.	0.9	9
135	Highly sensitive strain sensor based on a long-period fiber grating with chain-shaped structure. Applied Optics, 2020, 59, 10278.	0.9	14
136	Spin-orbital coupling of quadratic-power-exponent-phase vortex beam propagating in a uniaxial crystal. Optics Express, 2020, 28, 216.	1.7	6
137	Multi-parameter sensing based on surface plasma resonance with tungsten disulfide sheets coated. Optics Express, 2020, 28, 6084.	1.7	16
138	Pressure vector sensor based on an orthogonal optical path Sagnac interferometer. Optics Express, 2020, 28, 7969.	1.7	10
139	All fiber compact bending sensor with high sensitivity based on a multimode fiber embedded chirped long-period grating. Optics Letters, 2020, 45, 4172.	1.7	28
140	Graphene decorated twin-core fiber Michelson interferometer for all-optical phase shifter and switch. Optics Letters, 2020, 45, 177.	1.7	22
141	Laser-induced rotary micromotor with high energy conversion efficiency. Photonics Research, 2020, 8, 534.	3.4	4
142	Resolution-improved SPR sensor with a rotational modulation method. Applied Optics, 2020, 59, 2883.	0.9	10
143	Metallic structure functional sensor based on embedded PANDA fiber by ultrasonic additive manufacturing. Applied Optics, 2020, 59, 4880.	0.9	2
144	A special double-cladding fiber for generating dark hollow beam. Optik, 2020, 206, 164319.	1.4	0

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145	Compact fiber strain sensor fabricated by a CO ₂ laser. Optics Letters, 2020, 45, 4156.	1.7	20
146	Transmission enhanced SPR nano-microscope. Optics Express, 2020, 28, 22297.	1.7	1
147	All-fiber phase modulator and switch based on local surface plasmon resonance effect of the gold nanoparticles embedded in gel membrane. Applied Optics, 2020, 59, 10506.	0.9	4
148	Distributed Measurement of Polarization Characteristics for a Multifunctional Integrated Optical Chip: A Review. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1543-1553.	2.4	15
149	Circular Airy Beam Shaping by Annular Arrayed-Core Fiber. Journal of Lightwave Technology, 2019, 37, 4844-4850.	2.7	6
150	A special three-layer step-index fiber for building compact STED systems. Scientific Reports, 2019, 9, 8455.	1.6	6
151	An in-fiber integrated multifunctional mode converter. Optical Fiber Technology, 2019, 52, 101961.	1.4	3
152	Thin-film Thickness Absolute Measurement by Differential Optic-fiber White Light Interferometry. , 2019, , .		2
153	High-Sensitivity Plasmonics Biosensor Based on Graphene Ribbon Arrays. , 2019, , .		1
154	High Dynamic Range Photo-Detection Module Using On-Chip Dual Avalanche Photodiodes. IEEE Photonics Technology Letters, 2019, 31, 1940-1943.	1.3	4
155	A Cascade Fiber Optic Sensors for Simultaneous Measurement of Strain and Temperature. , 2019, 3, 1-4.		5
156	High sensitivity directional torsion sensor based on cascaded multimode and Mach-Zehnder interferometers with spiral structure. Engineering Research Express, 2019, 1, 025041.	0.8	0
157	Displacement Sensor Based on a Small U-Shaped Single-Mode Fiber. Sensors, 2019, 19, 2531.	2.1	18
158	A SPAD-Based Configurable Photon Counting System. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	3
159	Optical Fiber Sensor for Strain Monitoring of Metallic Device Produced by Very High-Power Ultrasonic Additive Manufacturing. IEEE Sensors Journal, 2019, 19, 10680-10685.	2.4	11
160	Liquid Surface Tension and Refractive Index Sensor Based on a Side-Hole Fiber Bragg Grating. IEEE Photonics Technology Letters, 2019, 31, 947-950.	1.3	7
161	Quasi-Distributed Directional Bending Sensor Based on Fiber Bragg Gratings Array in Triangle-Four Core Fiber. IEEE Sensors Journal, 2019, 19, 10728-10735.	2.4	13
162	A New Spring-Shaped Long-Period Fiber Grating With High Strain Sensitivity. IEEE Photonics Technology Letters, 2019, 31, 1163-1166.	1.3	9

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163	High Sensitive Torsion Sensor Based on Cascaded Pre-Twisted Taper and Multi-Mode Fiber Sheets. IEEE Photonics Technology Letters, 2019, 31, 1588-1591.	1.3	15
164	FBG Smart Bolts and its Application in Power Grid. , 2019, , .		2
165	Directional torsion and strain discrimination based on Mach-Zehnder interferometer with off-axis twisted deformations. Optics and Laser Technology, 2019, 120, 105754.	2.2	20
166	A S-shaped long-period fiber grating with ultra-high strain sensitivity. Sensors and Actuators A: Physical, 2019, 299, 111614.	2.0	6
167	Bending sensor with parallel fiber Michelson interferometers based on Vernier-like effect. Optics and Laser Technology, 2019, 120, 105679.	2.2	43
168	Observing the Viscous Relaxation Process of Silica Optical Fiber at ~1000 Å°C Using Regenerated Fiber Bragg Grating. Sensors, 2019, 19, 2293.	2.1	4
169	Arc-discharge-induced off-axis spiral long period fiber gratings and their sensing characteristics. Optical Fiber Technology, 2019, 52, 101950.	1.4	20
170	2â€™%Ã—â€™%2 microparticles curvilinear transport channel based on dual self-accelerating beams. Journal of Applied Physics, 2019, 125, .	1.1	2
171	Recent developments in novel silica-based optical fibers. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 481-489.	1.5	5
172	Heterogeneous Double Period Array Multicore Fiber and its Application in Bragg Grating Sensor. IEEE Sensors Journal, 2019, 19, 6193-6196.	2.4	3
173	High Sensitivity Refractometer Based on a Tapered-Single Mode-No Core-Single Mode Fiber Structure. Sensors, 2019, 19, 1722.	2.1	17
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175	An integrated wavelength selective coupler based on long period grating written in twin-core fiber. Optics Communications, 2019, 445, 1-4.	1.0	5
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