

Gerald Farrell

List of Publications by Year in descending order

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471
papers

7,984
citations

71102

41
h-index

91884

69
g-index

474
all docs

474
docs citations

474
times ranked

4514
citing authors

#	ARTICLE	IF	CITATIONS
1	All-optical modulator based on a microfiber coil resonator functionalized with MXene. <i>Optical Fiber Technology</i> , 2022, 68, 102776.	2.7	5
2	Tapered Microfiber MZI Biosensor for Highly Sensitive Detection of <i>Staphylococcus Aureus</i> . <i>IEEE Sensors Journal</i> , 2022, 22, 5531-5539.	4.7	11
3	Two-watt mid-infrared laser emission in robust fluorozirconate fibers. <i>Optics Letters</i> , 2022, 47, 1399.	3.3	7
4	Fiber Ring Laser Based on Side-Polished Fiber MZI for Enhancing Refractive Index and Torsion Measurement. <i>IEEE Sensors Journal</i> , 2022, 22, 7779-7784.	4.7	9
5	Tapered Side-Polished Microfiber Sensor for High Sensitivity hCG Detection. <i>IEEE Sensors Journal</i> , 2022, 22, 7727-7733.	4.7	3
6	Singlemode-Multimode-Singlemode Optical Fiber Sensor for Accurate Blood Pressure Monitoring. <i>Journal of Lightwave Technology</i> , 2022, 40, 4443-4450.	4.6	13
7	Investigation on the Dependence of Directional Torsion Measurement on Multimode Fiber Geometry. <i>Journal of Lightwave Technology</i> , 2022, 40, 3997-4002.	4.6	1
8	ZnF ₂ -modified AlF ₃ -based fluoride glasses with enhanced mid-infrared 3.5 μm emission. <i>Journal of the American Ceramic Society</i> , 2022, 105, 4691-4698.	3.8	8
9	Recent advances in luminescence and lasing research in ZBYA glass. <i>Optical Materials Express</i> , 2022, 12, 1542.	3.0	4
10	Direct Femtosecond Laser Inscription of High-Order Bragg Gratings in Fluoroaluminate Glass Fiber. <i>IEEE Photonics Journal</i> , 2022, 14, 1-5.	2.0	0
11	Light transmission mechanisms in a SMF-capillary fiber-SMF structure and its application to bi-directional liquid level measurement. <i>Optics Express</i> , 2022, 30, 21876.	3.4	4
12	Design of a compressed hexagonal dual-core photonic crystal fiber polarization beam splitter with a liquid crystal filled air hole. <i>Optical Engineering</i> , 2022, 61, .	1.0	5
13	A Long-Period Fiber Grating Sensor Based on a Core-Cladding Misalignment Structure. <i>Journal of Lightwave Technology</i> , 2022, 40, 5316-5321.	4.6	8
14	Design of Photonic Crystal Fiber Refractive Index Sensor Based on Surface Plasmon Resonance Effect for the Dual-Wavebands Measurement. <i>Fiber and Integrated Optics</i> , 2021, 40, 263-275.	2.5	5
15	Enhancing the Visibility of Vernier Effect in a Tri-Microfiber Coupler Fiber Loop Interferometer for Ultrasensitive Refractive Index and Temperature Sensing. <i>Journal of Lightwave Technology</i> , 2021, 39, 1523-1529.	4.6	17
16	Singlemode-Multimode-Singlemode Fiber Structures for Sensing Applications—A Review. <i>IEEE Sensors Journal</i> , 2021, 21, 12734-12751.	4.7	78
17	Eckhaus Instability in Laser Cavities With Harmonically Swept Filters. <i>Journal of Lightwave Technology</i> , 2021, 39, 6531-6538.	4.6	6
18	Design of polarization beam splitter based on dual-core photonic crystal fiber with three layers of elliptical air holes. <i>Optical Engineering</i> , 2021, 60, .	1.0	11

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19	Polarization Beam Splitter Based on the Gold Wire-Filled Dual-Core Photonic Crystal Fiber at the Communication Wavelengths. <i>Fiber and Integrated Optics</i> , 2021, 40, 70-83.	2.5	7
20	A Novel Gold Film-Coated V-Shape Dual-Core Photonic Crystal Fiber Polarization Beam Splitter Covering the E + S + C + L + U Band. <i>Sensors</i> , 2021, 21, 496.	3.8	10
21	Real-time Super High Resolution Light Field Rendering with Multi-GPU Scheduling. , 2021, , .		0
22	Wearable Optical Fiber Sensor Based on a Bend Singlemode-Multimode-Singlemode Fiber Structure for Respiration Monitoring. <i>IEEE Sensors Journal</i> , 2021, 21, 4610-4617.	4.7	34
23	Pulse Train Triggered Single Dissipative Kerr Soliton in Microresonator and Application in Terahertz Rate Optical Clock Recovery. <i>Journal of Lightwave Technology</i> , 2021, 39, 3511-3520.	4.6	2
24	Ultra-short polarization beam splitter based on dual-core photonic crystal fiber with surface plasmon resonance effect. <i>Optical Engineering</i> , 2021, 60, .	1.0	10
25	Strain-, curvature- and twist-independent temperature sensor based on a small air core hollow core fiber structure. <i>Optics Express</i> , 2021, 29, 26353.	3.4	10
26	Praseodymium mid-infrared emission in AlF ₃ -based glass sensitized by ytterbium. <i>Optics Express</i> , 2021, 29, 34166.	3.4	4
27	3.5 μ m emission in Er ³⁺ doped fluoroindate glasses under 635nm laser excitation. <i>Journal of Luminescence</i> , 2021, 237, 118200.	3.1	12
28	High sensitivity liquid level sensor for microfluidic applications using a hollow core fiber structure. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113134.	4.1	6
29	2.4 μ m fluorescence of holmium doped fluoroaluminate glasses. <i>Journal of Luminescence</i> , 2021, 238, 118265.	3.1	3
30	Cascaded-tapered silica photonic crystal fiber for supercontinuum generation. <i>Optical Engineering</i> , 2021, 59, .	1.0	2
31	Comparative Study on Sensing Properties of Fiber-Coupled Microbottle Resonators With Polymer Materials. <i>IEEE Sensors Journal</i> , 2021, 21, 26681-26689.	4.7	5
32	CS ₂ -Filled Solid-Core Photonic Crystal Fiber for Temperature Sensing Based on Photonic Bandgap Effect. , 2021, , .		0
33	A novel photonic crystal fiber refractive index sensor based on surface plasmon resonance effect with wide detection range. , 2021, , .		1
34	A Broadband Polarization Beam Splitter Based on Compressed Hexagonal Structure and Liquid Crystal-Filled Dual-Core Photonic Crystal Fiber. , 2021, , .		0
35	Ultra-compact in-core-parallel-written FBG and Mach-Zehnder interferometer for simultaneous measurement of strain and temperature. <i>Optics Letters</i> , 2021, 46, 5595.	3.3	14
36	A Novel Liquid Crystal-Filled, Dual-Core Photonic Crystal Fiber Polarization Beam Splitter Covering the E + S + C + L + U Communication Band. <i>Photonics</i> , 2021, 8, 461.	2.0	11

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37	Interference-Fading-Suppressed Pulse-Coding \hat{I} -OTDR Using Spectrum Extraction and Rotated-Vector-Sum Method. IEEE Photonics Journal, 2021, 13, 1-6.	2.0	13
38	Crystal-field engineering of ultrabroadband mid-infrared emission in Co ²⁺ -doped nano-chalcogenide glass composites. Journal of the European Ceramic Society, 2020, 40, 103-107.	5.7	14
39	Experimental demonstration of all-optical quantization by slicing the supercontinuum. Optics Communications, 2020, 454, 124506.	2.1	10
40	Self-similar picosecond pulse compression for supercontinuum generation at mid-infrared wavelength in silicon strip waveguides. Optics Communications, 2020, 454, 124380.	2.1	11
41	Third-order optical nonlinearity properties of CdCl ₂ -modified Ge ³⁺ Sb ⁵⁺ S chalcogenide glasses. Journal of Non-Crystalline Solids, 2020, 528, 119757.	3.1	11
42	Hollow-Core Negative Curvature Fiber with High Birefringence for Low Refractive Index Sensing Based on Surface Plasmon Resonance Effect. Sensors, 2020, 20, 6539.	3.8	29
43	Graphene-Coated Two-Layer Dielectric Loaded Surface Plasmon Polariton Rib Waveguide With Ultra-Long Propagation Length and Ultra-High Electro-Optic Wavelength Tuning. IEEE Access, 2020, 8, 103433-103442.	4.2	5
44	NiS ₂ as a broadband saturable absorber for ultrafast pulse lasers. Optics and Laser Technology, 2020, 132, 106492.	4.6	16
45	Spectral dependence of transmission losses in high-index polymer coated no-core fibers. Journal of Lightwave Technology, 2020, , 1-1.	4.6	6
46	Negative Curvature Hollow Core Fiber Based All-Fiber Interferometer and Its Sensing Applications to Temperature and Strain. Sensors, 2020, 20, 4763.	3.8	8
47	Color Variation of the Up-Conversion Luminescence in Er ³⁺ -Yb ³⁺ Co-Doped Lead Germanate Glasses and Microsphere Integrated Devices. Journal of Lightwave Technology, 2020, 38, 4397-4401.	4.6	3
48	Passive Generation of the Multi-Wavelength Parabolic Pulses in Tapered Silicon Nanowires. IEEE Access, 2020, 8, 77631-77641.	4.2	1
49	Simultaneous measurement of displacement and temperature based on two cascaded balloon-like bent fibre structures. Optical Fiber Technology, 2020, 58, 102277.	2.7	16
50	Investigation on the Polarization Dependence of An Angled Polished Multimode Fibre Structure. Journal of Lightwave Technology, 2020, 38, 4520-4525.	4.6	8
51	High sensitivity, low temperature-crosstalk strain sensor based on a microsphere embedded Fabry-Pérot interferometer. Sensors and Actuators A: Physical, 2020, 310, 112048.	4.1	13
52	Ultrahigh-sensitivity label-free optical fiber biosensor based on a tapered singlemode- no core-singlemode coupler for Staphylococcus aureus detection. Sensors and Actuators B: Chemical, 2020, 320, 128283.	7.8	58
53	Novel Microfiber Sensor and Its Biosensing Application for Detection of hCG Based on a Singlemode-Tapered Hollow Core-Singlemode Fiber Structure. IEEE Sensors Journal, 2020, 20, 9071-9078.	4.7	20
54	Anti-resonance, inhibited coupling and mode transition in depressed core fibers. Optics Express, 2020, 28, 16526.	3.4	14

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55	Miniature Fabry-Perot interferometer based on a movable microsphere reflector. Optics Letters, 2020, 45, 787.	3.3	19
56	Intense mid-infrared emission at 3.9 μm in Ho ³⁺ -doped ZBYA glasses for potential use as a fiber laser. Optics Letters, 2020, 45, 4272.	3.3	17
57	High-sensitivity temperature sensor based on anti-resonance in high-index polymer-coated optical fiber interferometers. Optics Letters, 2020, 45, 5385.	3.3	18
58	A tunable-order all-optical temporal differentiator based on phase-shifted Bragg gratings. , 2020, , .		0
59	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. Biosensors and Bioelectronics, 2019, 145, 111563.	10.1	29
60	High Temperature (Up to 950 $^{\circ}\text{C}$) Sensor Based on Micro Taper In-Line Fiber Mach-Zehnder Interferometer. Applied Sciences (Switzerland), 2019, 9, 2394.	2.5	12
61	Dissipative soliton generation in Er-doped fibre laser using SnS ₂ as a saturable absorber. Applied Physics Express, 2019, 12, 102008.	2.4	17
62	SNS optical fiber sensor for direct detection of phase transitions in C18H38 n-alkane material. Experimental Thermal and Fluid Science, 2019, 109, 109854.	2.7	7
63	Discrete Self-Imaging in Small-Core Optical Fiber Interferometers. Journal of Lightwave Technology, 2019, 37, 1873-1884.	4.6	12
64	Ultrabroadband mid-infrared emission from Cr ²⁺ -doped infrared transparent chalcogenide glass ceramics embedded with thermally grown ZnS nanorods. Journal of the European Ceramic Society, 2019, 39, 3373-3379.	5.7	18
65	Slow-Nonlinearity Assisted Supercontinuum Generation in a CS ₂ -Core Photonic Crystal Fiber. IEEE Journal of Quantum Electronics, 2019, 55, 1-9.	1.9	8
66	Packaged inline cascaded optical micro-resonators for multi-parameter sensing. Optical Fiber Technology, 2019, 50, 50-54.	2.7	12
67	Distribution of Tm ³⁺ and Ni ²⁺ in chalcogenide glass ceramics containing Ga ₂ S ₃ nanocrystals: Influence on photoluminescence properties. Journal of the European Ceramic Society, 2019, 39, 2580-2584.	5.7	13
68	Self-Similar Propagation and Compression of the Parabolic Pulse in Silicon Waveguide. Journal of Lightwave Technology, 2019, , 1-1.	4.6	5
69	Irreversible Photobleaching of BAC-Si in Bi/Er Co-Doped Optical Fiber under 830 nm Pumping. , 2019, , .		1
70	Temperature Self-Compensated Refractive Index Sensor Based on Fiber Bragg Grating and the Ellipsoid Structure. Sensors, 2019, 19, 5211.	3.8	9
71	A Quantization Scheme by Slicing Supercontinuum Spectrum in an All-Normal Dispersion Silicon Nitride Ridge Waveguide. , 2019, , .		0
72	Enhanced Photoluminescence of Bi/Er Co-doped Fiber by Quenching and Cooling under 830 nm Pumping. , 2019, , .		0

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73	Mode Transition in Conventional Step-Index Optical Fibers. , 2019, , .		1
74	Integrated Biosensor Based on Double-layer Dielectric Loaded Graphene Plasmonic Ridge Waveguide with Higher-Order Modes. , 2019, , .		0
75	Supercontinuum Generation in Cascaded Photonic Crystal Fiber Tapers. , 2019, , .		0
76	High sensitivity biosensor for Staphylococcus Aureus detection based on tapered a singlemode-no core-singlemode fiber structure. , 2019, , .		0
77	Multiwavelength Q-switched pulse operation with gold nanoparticles as saturable absorber. Optical Engineering, 2019, 58, 1.	1.0	3
78	Temperature-compensated magnetic field sensing with a dual-ring structure consisting of microfiber coupler-Sagnac loop and fiber Bragg grating-assisted resonant cavity. Applied Optics, 2019, 58, 2334.	1.8	17
79	Temperature-insensitive refractometer based on an RI-modulated singlemode-multimode-singlemode fibre structure. Optics Express, 2019, 27, 13754.	3.4	16
80	Strain independent twist sensor based on uneven platinum coated hollow core fiber structure. Optics Express, 2019, 27, 19726.	3.4	7
81	Nanosecond passively Q-switched fibre laser using a NiS ₂ based saturable absorber. Optics Express, 2019, 27, 19843.	3.4	14
82	Sub-micrometer resolution liquid level sensor based on a hollow core fiber structure. Optics Letters, 2019, 44, 2125.	3.3	40
83	In-fiber temperature sensor based on green up-conversion luminescence in an Er ³⁺ -Yb ³⁺ -co-doped tellurite glass microsphere. Optics Letters, 2019, 44, 3214.	3.3	18
84	Ultra-high-resolution detection of Pb ²⁺ ions using a black phosphorus functionalized microfiber coil resonator. Photonics Research, 2019, 7, 622.	7.0	21
85	Sensing of multiple parameters with whispering gallery mode optical fiber micro-resonators. , 2019, , .		0
86	Experimental demonstration of slicing supercontinuum-based 4.39-bit all-optical quantization. Optical Engineering, 2019, 58, 1.	1.0	0
87	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Â°C) Measurement. Journal of Lightwave Technology, 2018, 36, 1583-1590.	4.6	59
88	A comprehensive experimental study of whispering gallery modes in a cylindrical microresonator excited by a tilted fiber taper. Microwave and Optical Technology Letters, 2018, 60, 1495-1504.	1.4	7
89	Silica Gel Coated Spherical Micro resonator for Ultra-High Sensitivity Detection of Ammonia Gas Concentration in Air. Scientific Reports, 2018, 8, 1620.	3.3	34
90	Impact of Spectral Filtering on Multipulsing Instability in Mode-Locked Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9.	2.9	18

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91	Studies of geometrical profiling in fabricated tapered optical fibers using whispering gallery modes spectroscopy. <i>Optical Fiber Technology</i> , 2018, 41, 82-88.	2.7	6
92	A Coated Spherical Microresonator for Measurement of Water Vapor Concentration at PPM Levels in Very Low Humidity Environments. <i>Journal of Lightwave Technology</i> , 2018, 36, 2667-2674.	4.6	23
93	Microdisk Resonator With Negative Thermal Optical Coefficient Polymer for Refractive Index Sensing With Thermal Stability. <i>IEEE Photonics Journal</i> , 2018, 10, 1-12.	2.0	4
94	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
95	A Packaged Whispering Gallery Mode Strain Sensor Based on a Polymer-Wire Cylindrical Micro Resonator. <i>Journal of Lightwave Technology</i> , 2018, 36, 1757-1765.	4.6	25
96	Chalcogenide glasses with embedded ZnS nanocrystals: Potential mid-infrared laser host for divalent transition metal ions. <i>Journal of the American Ceramic Society</i> , 2018, 101, 666-673.	3.8	16
97	Spectral Compression of Mid-infrared Pulse in a Suspended Silicon Waveguide Taper. , 2018, , .		0
98	Optical fiber Fresnel reflection sensor for direct detection of the solid-liquid phase change in n-octadecane. <i>Measurement Science and Technology</i> , 2018, 29, 125107.	2.6	8
99	Fabrication and Characterization of a Magnetized Metal-Encapsulated FBG Sensor for Structural Health Monitoring. <i>IEEE Sensors Journal</i> , 2018, 18, 8739-8746.	4.7	13
100	Highly Coherent and Octave-Spanning Supercontinuum and Frequency Comb Generation in Germanium Waveguide with All-Normal Dispersion. , 2018, , .		0
101	Singlemode-multimode-singlemode fibre structure for phase transition monitoring in phase changing materials (invited paper). <i>Journal of Physics: Conference Series</i> , 2018, 1065, 252024.	0.4	0
102	Experimental Demonstration of 3-bit All-optical Quantization Based on Slicing Supercontinuum Spectrum. , 2018, , .		0
103	High sensitivity temperature sensor based on singlemode-no-core-singlemode fibre structure and alcohol. <i>Sensors and Actuators A: Physical</i> , 2018, 284, 28-34.	4.1	23
104	Simultaneous Vector Bend and Temperature Sensing Based on a Polymer and Silica Optical Fibre Grating Pair. <i>Sensors</i> , 2018, 18, 3507.	3.8	6
105	A Microfiber Knot Incorporating a Tungsten Disulfide Saturable Absorber Based Multi-Wavelength Mode-Locked Erbium-Doped Fiber Laser. <i>Journal of Lightwave Technology</i> , 2018, 36, 5633-5639.	4.6	25
106	Compound Glass Microsphere Resonator Devices. <i>Micromachines</i> , 2018, 9, 356.	2.9	13
107	An Yb ³⁺ -Ho ³⁺ Codoped Glass Microsphere Laser in the 2.0- μ m Wavelength Regions. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1543-1546.	2.5	9
108	Optical fibre sensors for monitoring phase transitions in phase changing materials. <i>Smart Materials and Structures</i> , 2018, 27, 105021.	3.5	5

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109	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 1-8.	7.8	45
110	A high sensitivity temperature sensor based on balloon-shaped bent SMF structure with its original polymer coating. <i>Measurement Science and Technology</i> , 2018, 29, 085104.	2.6	27
111	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. <i>Journal of Lightwave Technology</i> , 2018, 36, 3672-3677.	4.6	37
112	Highly sensitive temperature sensor using packaged optical microfiber coupler filled with liquids. <i>Optics Express</i> , 2018, 26, 356.	3.4	37
113	Thermo-optic tuning of a packaged whispering gallery mode resonator filled with nematic liquid crystal. <i>Optics Express</i> , 2018, 26, 8431.	3.4	26
114	In-fiber whispering-gallery mode microsphere resonator-based integrated device. <i>Optics Letters</i> , 2018, 43, 3961.	3.3	27
115	Optical spectral sweep comb liquid flow rate sensor. <i>Optics Letters</i> , 2018, 43, 751.	3.3	31
116	Investigation of Temperature Dependence of Microfiber Coil Resonators. <i>Journal of Lightwave Technology</i> , 2018, 36, 4887-4893.	4.6	14
117	Measurements of milli-Newton surface tension forces with tilted fiber Bragg gratings. <i>Optics Letters</i> , 2018, 43, 255.	3.3	31
118	Simultaneous Measurement of Displacement and Temperature Based on a Balloon-Shaped Bent SMF Structure Incorporating an LPG. <i>Journal of Lightwave Technology</i> , 2018, 36, 4960-4966.	4.6	49
119	A simple all-fiber comb filter based on the combined effect of multimode interference and Mach-Zehnder interferometer. <i>Scientific Reports</i> , 2018, 8, 11803.	3.3	10
120	A Review of Multimode Interference in Tapered Optical Fibers and Related Applications. <i>Sensors</i> , 2018, 18, 858.	3.8	33
121	Mid-Infrared Self-Similar Pulse Compression in a Tapered Tellurite Photonic Crystal Fiber and Its Application in Supercontinuum Generation. <i>Journal of Lightwave Technology</i> , 2018, 36, 3514-3521.	4.6	13
122	All-optical differential equation solver with tunable constant-coefficient based on inverse Raman scattering effect in a silicon microring resonator. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	3
123	Highly sensitive displacement sensor based on composite interference established within a balloon-shaped bent multimode fiber structure. <i>Applied Optics</i> , 2018, 57, 9662.	1.8	25
124	Investigation of a novel SMS fiber based planar multimode waveguide and its sensing performance. <i>Optics Express</i> , 2018, 26, 26534.	3.4	16
125	Whispering gallery mode micro resonators for multi-parameter sensing applications. <i>Optics Express</i> , 2018, 26, 31829.	3.4	26
126	Highly sensitive strain sensor based on composite interference established within S-tapered multimode fiber structure. <i>Optics Express</i> , 2018, 26, 33982.	3.4	46

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127	Broadband multicolor upconversion from Yb ³⁺ –Mn ²⁺ codoped fluorosilicate glasses and transparent glass ceramics. <i>Optics Letters</i> , 2018, 43, 5013.	3.3	9
128	Single-Mode-Multimode-Single-Mode Fibre Structure for Sensing Applications: A Review. , 2018, , .		3
129	Ultraviolet to visible continuum generation in a silica photonic crystal fiber. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	0
130	Design and optimization of silicon concentric dual-microring resonators for refractive index sensing. <i>Optics Communications</i> , 2017, 395, 212-216.	2.1	26
131	Simultaneous Measurement of the Refractive Index and Temperature Based on Microdisk Resonator With Two Whispering-Gallery Modes. <i>IEEE Photonics Journal</i> , 2017, 9, 1-13.	2.0	26
132	A Curvature Sensor Based on Twisted Single-Mode–Multimode–Single-Mode Hybrid Optical Fiber Structure. <i>Journal of Lightwave Technology</i> , 2017, 35, 1725-1731.	4.6	57
133	A Chalcogenide Multimode Interferometric Temperature Sensor Operating at a Wavelength of $2\text{--}\mu\text{m}$. <i>IEEE Sensors Journal</i> , 2017, 17, 1721-1726.	4.7	12
134	High Sensitivity Ammonia Gas Sensor Based on a Silica-Gel-Coated Microfiber Coupler. <i>Journal of Lightwave Technology</i> , 2017, 35, 2864-2870.	4.6	33
135	Coherent BOTDA Using Phase- and Polarization-Diversity Heterodyne Detection and Embedded Digital Signal Processing. <i>IEEE Sensors Journal</i> , 2017, 17, 3728-3734.	4.7	7
136	Deep-ultraviolet second-harmonic generation by combined degenerate four-wave mixing and surface nonlinearity polarization in photonic crystal fiber. <i>Scientific Reports</i> , 2017, 7, 9224.	3.3	2
137	A Humidity Sensor Based on a Singlemode-Side Polished Multimode–Singlemode Optical Fibre Structure Coated with Gelatin. <i>Journal of Lightwave Technology</i> , 2017, 35, 4087-4094.	4.6	61
138	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. <i>Journal of Lightwave Technology</i> , 2017, 35, 2994-3002.	4.6	46
139	Comprehensive analysis of passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. <i>Scientific Reports</i> , 2017, 7, 3814.	3.3	8
140	Magnetic field sensor based on a combination of a microfiber coupler covered with magnetic fluid and a Sagnac loop. <i>Scientific Reports</i> , 2017, 7, 4725.	3.3	57
141	Highly Sensitive Biochemical Sensor Based on Two-Layer Dielectric Loaded Plasmonic Microring Resonator. <i>Plasmonics</i> , 2017, 12, 1417-1424.	3.4	4
142	Multiplexing technique using tandem optical single-sideband modulation, orthogonal multiplexing and DSP-assisted coherent detection. , 2017, , .		0
143	Amplifier-Less Transmission of Single Channel 112Gbit/s PAM4 Signal Over 40km Using 25G EML and APD at O band. , 2017, , .		10
144	Mid-infrared self-similar pulse compression of picosecond pulse in a ridge silicon waveguide taper. , 2017, , .		0

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145	PDM-SSB-OFDM transmission over 80km SSMF based on a single photodetector at C-band. , 2017, , .		1
146	Vector bend sensing based on polymer and silica fiber Bragg gratings. , 2017, , .		0
147	Single Channel 50 Gbit/s Transmission Over 40 km SSMF Without Optical Amplification and In-Line Dispersion Compensation Using a Single-End PD-Based PDM-SSB-DMT System. IEEE Photonics Journal, 2017, 9, 1-11.	2.0	4
148	Passive photonic integrated ratiometric wavelength monitor with resolution better than 15 pm. Optics Express, 2017, 25, 2939.	3.4	3
149	Magnetic field sensing using whispering-gallery modes in a cylindrical microresonator infiltrated with ferroelectric liquid crystal. Optics Express, 2017, 25, 12195.	3.4	26
150	Strain sensor based on gourd-shaped single-mode-multimode-single-mode hybrid optical fibre structure. Optics Express, 2017, 25, 18885.	3.4	59
151	Mid-infrared self-similar compression of picosecond pulse in an inversely tapered silicon ridge waveguide. Optics Express, 2017, 25, 33439.	3.4	20
152	High Sensitivity Refractometer Based on Reflective Smf-Small Diameter No Core Fiber Structure. Sensors, 2017, 17, 1415.	3.8	16
153	Experimental generation of discrete ultraviolet wavelength by cascaded intermodal four-wave mixing in a multimode photonic crystal fiber. Optics Letters, 2017, 42, 3537.	3.3	9
154	Temperature-insensitive Refractive Index Sensing Based on W-type Fiber Grating. , 2017, , .		1
155	100-Gb/s 80-km transmission of PIM-SSB-OFDM at C-band using a single-end photodetector. Optical Engineering, 2017, 56, 1.	1.0	0
156	Double-Layer Dielectric Microdisk Resonator Based Refractive Index Sensing Characteristics. Micro and Nanosystems, 2017, 9, .	0.6	0
157	Overview of Fiber Optic Sensor Technologies for Strain/Temperature Sensing Applications in Composite Materials. Sensors, 2016, 16, 99.	3.8	255
158	High sensitivity sol-gel silica coated optical fiber sensor for detection of ammonia in water. Optics Express, 2016, 24, 24179.	3.4	32
159	Agarose coated spherical micro resonator for humidity measurements. Optics Express, 2016, 24, 21216.	3.4	75
160	Multi-octave mid-infrared supercontinuum generation in dispersion-engineered AlGaAs-based strip waveguides. , 2016, , .		1
161	Investigation of Humidity and Temperature Response of a Silica Gel Coated Microfiber Coupler. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	25
162	Sol-gel silica coated optical fiber sensor for ammonia gas detection. , 2016, , .		0

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163	On-chip integratable all-optical quantizer using strong cross-phase modulation in a silicon-organic hybrid slot waveguide. Scientific Reports, 2016, 6, 19528.	3.3	11
164	Spectrally-isolated violet to blue wavelength generation by cascaded degenerate four-wave mixing in a photonic crystal fiber. Optics Letters, 2016, 41, 2612.	3.3	3
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