

Qiang Wu

List of Publications by Year in descending order

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367
papers

6,682
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87843

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docs citations

370
times ranked

5879
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Sensing and Acoustofluidic Functions for Flexible Thin Film Acoustic Wave Devices Based on Metallic and Polymer Multilayers. IEEE Sensors Journal, 2023, 23, 24041-24049.	2.4	3
2	Polarization-insensitive reverse-ridge AlGaAs waveguide for the mid-infrared supercontinuum generation. Optics Communications, 2022, 502, 127407.	1.0	4
3	Optical microfiber sensor for detection of Ni ²⁺ ions based on ion imprinting technology. Analyst, The, 2022, 147, 358-365.	1.7	13
4	Localized Plasmon-Based Multicore Fiber Biosensor for Acetylcholine Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	2.4	41
5	An integrated platform for metamaterial-based sensing and surface acoustic wave-based acoustofluidics utilising circular interdigital transducers. Sensors & Diagnostics, 2022, 1, 270-279.	1.9	3
6	High-directionality spin-selective routing of photons in plasmonic nanocircuits. Nanoscale, 2022, 14, 428-432.	2.8	3
7	Tapered Microfiber MZI Biosensor for Highly Sensitive Detection of <i>Staphylococcus Aureus</i> . IEEE Sensors Journal, 2022, 22, 5531-5539.	2.4	11
8	Low-cost wearable device based D-shaped single mode fiber curvature sensor for vital signs monitoring. Sensors and Actuators A: Physical, 2022, 337, 113429.	2.0	14
9	Fiber Ring Laser Based on Side-Polished Fiber MZI for Enhancing Refractive Index and Torsion Measurement. IEEE Sensors Journal, 2022, 22, 7779-7784.	2.4	9
10	Tapered Side-Polished Microfibre Sensor for High Sensitivity hCG Detection. IEEE Sensors Journal, 2022, 22, 7727-7733.	2.4	3
11	Singlemode-Multimode-Singlemode Optical Fiber Sensor for Accurate Blood Pressure Monitoring. Journal of Lightwave Technology, 2022, 40, 4443-4450.	2.7	13
12	Large-Dynamic-Range and High-Stability Phase Demodulation Technology for Fiber-Optic Michelson Interferometric Sensors. Sensors, 2022, 22, 2488.	2.1	2
13	Cryptographic Accumulator and Its Application: A Survey. Security and Communication Networks, 2022, 2022, 1-13.	1.0	3
14	MicroRNAs in Alzheimer's disease: Potential diagnostic markers and therapeutic targets. Biomedicine and Pharmacotherapy, 2022, 148, 112681.	2.5	75
15	A novel surface plasmon resonance-based photonic crystal fiber refractive index sensor with an ultra-wide detection range. Optik, 2022, 259, 168977.	1.4	7
16	Ge ₂₀ Sb ₁₅ Se ₆₅ glass-based ultra-bandwidth X-shaped dual-core photonic crystal fiber polarization beam splitter with an air hole filled gold rod. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1580.	0.9	6
17	Two-Dimensional Ti ₃ C ₂ MXene-Based Novel Nanocomposites for Breath Sensors for Early Detection of Diabetes Mellitus. Biosensors, 2022, 12, 332.	2.3	6
18	Temperature-independent relative humidity sensing properties of polymer micro-bottle resonators coated with graphene oxide. Measurement: Journal of the International Measurement Confederation, 2022, 196, 111199.	2.5	3

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19	The Fabrication of an Eccentric Three-Core Fiber and Its Application as a Twist Sensor. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-6.	2.4	4
20	Light transmission mechanisms in a SMF-capillary fiber-SMF structure and its application to bi-directional liquid level measurement. Optics Express, 2022, 30, 21876.	1.7	4
21	ZnO/glass thin film surface acoustic waves for efficient digital acoustofluidics and active surface cleaning. Materials Chemistry and Physics, 2022, 287, 126290.	2.0	6
22	Supercontinuum and frequency comb generations in the slot SiC waveguide with four zero-dispersion wavelengths. Optik, 2022, , 169561.	1.4	0
23	Ultra-Wide Spectral Bandwidth and Enhanced Absorption in a Metallic Compound Grating Covered by Graphene Monolayer. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	1.9	6
24	Mach-Zehnder Interferometer for High Temperature (1000 Å°C) Sensing Based on a Few-Mode Fiber. Photonic Sensors, 2021, 11, 341-349.	2.5	12
25	Enhancing the Visibility of Vernier Effect in a Tri-Microfiber Coupler Fiber Loop Interferometer for Ultrasensitive Refractive Index and Temperature Sensing. Journal of Lightwave Technology, 2021, 39, 1523-1529.	2.7	17
26	Singlemode-Multimode-Singlemode Fiber Structures for Sensing Applications—A Review. IEEE Sensors Journal, 2021, 21, 12734-12751.	2.4	78
27	Cascaded Sagnac Loops Embedded With Two Polarization Maintaining Photonic Crystal Fibers for Highly Sensitive Strain Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	18
28	Electrically Sensing Characteristics of the Sagnac Interferometer Embedded With a Liquid Crystal-Infiltrated Photonic Crystal Fiber. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	8
29	Polarization Beam Splitter Based on the Gold Wire-Filled Dual-Core Photonic Crystal Fiber at the Communication Wavelengths. Fiber and Integrated Optics, 2021, 40, 70-83.	1.7	7
30	A Novel Gold Film-Coated V-Shape Dual-Core Photonic Crystal Fiber Polarization Beam Splitter Covering the E + S + C + L + U Band. Sensors, 2021, 21, 496.	2.1	10
31	Low-Cost Wearable Sensor Based on a D-Shaped Plastic Optical Fiber for Respiration Monitoring. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	2.4	22
32	Crack-free femtosecond laser processing of lithium niobate benefited by high substrate temperature. Journal of Applied Physics, 2021, 129, 063102.	1.1	2
33	Wearable Optical Fiber Sensor Based on a Bend Singlemode-Multimode-Singlemode Fiber Structure for Respiration Monitoring. IEEE Sensors Journal, 2021, 21, 4610-4617.	2.4	34
34	Can optical fiber compete with profile analysis tensiometry in critical micelle concentration measurement?. Zeitschrift Fur Physikalische Chemie, 2021, .	1.4	0
35	The studies of the linearly modified energy-preserving finite difference methods applied to solve two-dimensional nonlinear coupled wave equations. Numerical Algorithms, 2021, 88, 1875-1914.	1.1	11
36	Flexible/Bendable Acoustofluidics Based on Thin-Film Surface Acoustic Waves on Thin Aluminum Sheets. ACS Applied Materials & Interfaces, 2021, 13, 16978-16986.	4.0	23

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37	Observation of "Frozen" Phase Propagation of THz Pulses in a Dispersive Optical System. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000591.	4.4	5
38	Linearized and decoupled structure-preserving finite difference methods and their analyses for the coupled Schrödinger-Boussinesq equations. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 2924-2951.	2.0	6
39	Intrusion Location Technology of Sagnac Distributed Fiber Optical Sensing System Based on Deep Learning. <i>IEEE Sensors Journal</i> , 2021, 21, 13327-13334.	2.4	9
40	Electrically Tuning Characteristics of LC Selectively Infiltrated PCF Sagnac Interferometer. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 668-671.	1.3	7
41	Thermo-optic tuning of a nematic liquid crystal-filled capillary whispering gallery mode resonator. <i>Optics Express</i> , 2021, 29, 23569.	1.7	10
42	Ultra-short polarization beam splitter based on dual-core photonic crystal fiber with surface plasmon resonance effect. <i>Optical Engineering</i> , 2021, 60, .	0.5	10
43	Strain-, curvature- and twist-independent temperature sensor based on a small air core hollow core fiber structure. <i>Optics Express</i> , 2021, 29, 26353.	1.7	10
44	Topological Valley Transport of Terahertz Phonon Polaritons in a LiNbO ₃ Chip. <i>ACS Photonics</i> , 2021, 8, 2737-2745.	3.2	13
45	Simple structure dual-core photonic crystal fiber polarization beam splitter covering the O ₁ +E ₁ +S ₁ +C ₁ +L ₁ U band based on the surface plasmon resonance effect. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, F50.		
46	Application of Improved Particle Swarm Optimisation Algorithm in Hull form Optimisation. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 955.	1.2	10
47	Air pressure measurement of circular thin plate using optical fiber multimode interferometer. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 182, 109784.	2.5	5
48	NEK7-Mediated Activation of NLRP3 Inflammasome Is Coordinated by Potassium Efflux/Syk/JNK Signaling During Staphylococcus aureus Infection. <i>Frontiers in Immunology</i> , 2021, 12, 747370.	2.2	13
49	High sensitivity liquid level sensor for microfluidic applications using a hollow core fiber structure. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113134.	2.0	6
50	U-Shape Panda Polarization-Maintaining Microfiber Sensor Coated With Graphene Oxide for Relative Humidity Measurement. <i>Journal of Lightwave Technology</i> , 2021, 39, 6308-6314.	2.7	16
51	Optical fiber fabry-perot sensor based on a singlemode-hollow core-singlemode fiber structure for direct detection of phase transition in n-octadecane. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 184, 110002.	2.5	3
52	An Ultra-Short and Broadband Dual-Core Photonic Crystal Fiber Polarization Beam Splitter with a Gold Film Based on the Surface Plasmon Resonance Effect. , 2021, , .		0
53	Comparative Study on Sensing Properties of Fiber-Coupled Microbottle Resonators With Polymer Materials. <i>IEEE Sensors Journal</i> , 2021, 21, 26681-26689.	2.4	5
54	Hollow-Core Negative Curvature Fiber for Refractive Index Sensing Based on Surface Plasmon Resonance Effect. , 2021, , .		2

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55	Highly coherent and multi-octave mid-infrared supercontinuum generations in a reverse-strip AlGaAs waveguide with three zero-dispersion wavelengths. <i>Applied Optics</i> , 2021, 60, 9994.	0.9	1
56	Single-Polarization Hollow-Core Negative Curvature Fiber for Temperature Sensing. , 2021, , .		0
57	A Laser-Locked Hollow Waveguide Gas Sensor for Simultaneous Measurements of CO ₂ Isotopologues with High Accuracy, Precision, and Sensitivity. <i>Analytical Chemistry</i> , 2021, 93, 15468-15473.	3.2	2
58	Passive Homodyne Phase Demodulation Technique Based on LF-TIT-DCM Algorithm for Interferometric Sensors. <i>Sensors</i> , 2021, 21, 8257.	2.1	8
59	Coin Paradox Spin-Orbit Interaction Enhances Magneto-Optical Effect and Its Application in On-Chip Integrated Optical Isolator. <i>Nanoscale Research Letters</i> , 2021, 16, 175.	3.1	0
60	Analysis of a compact multi-step ADI method for linear parabolic equation. <i>International Journal of Modelling and Simulation</i> , 2020, 40, 1-16.	2.3	4
61	Self-similar picosecond pulse compression for supercontinuum generation at mid-infrared wavelength in silicon strip waveguides. <i>Optics Communications</i> , 2020, 454, 124380.	1.0	11
62	Flexible and Integrated Sensing Platform of Acoustic Waves and Metamaterials based on Polyimide-Coated Woven Carbon Fibers. <i>ACS Sensors</i> , 2020, 5, 2563-2569.	4.0	21
63	Hollow-Core Negative Curvature Fiber with High Birefringence for Low Refractive Index Sensing Based on Surface Plasmon Resonance Effect. <i>Sensors</i> , 2020, 20, 6539.	2.1	29
64	Spectral dependence of transmission losses in high-index polymer coated no-core fibers. <i>Journal of Lightwave Technology</i> , 2020, , 1-1.	2.7	6
65	Highly sensitive temperature sensing based on all-solid cladding dual-core photonic crystal fiber filled with the toluene and ethanol. <i>Optics Communications</i> , 2020, 477, 126357.	1.0	22
66	Sensing Characteristics of Fiber Fabry-Perot Sensors Based on Polymer Materials. <i>IEEE Access</i> , 2020, 8, 171316-171324.	2.6	10
67	Real-Time Monitoring of ¹³ C- and ¹⁸ O-Isotopes of Human Breath CO ₂ Using a Mid-Infrared Hollow Waveguide Gas Sensor. <i>Analytical Chemistry</i> , 2020, 92, 12943-12949.	3.2	14
68	Negative Curvature Hollow Core Fiber Based All-Fiber Interferometer and Its Sensing Applications to Temperature and Strain. <i>Sensors</i> , 2020, 20, 4763.	2.1	8
69	Mid-Infrared Supercontinuum and Frequency Comb Generations by Different Optical Modes in a Multimode Chalcogenide Strip Waveguide. <i>IEEE Access</i> , 2020, 8, 202022-202031.	2.6	1
70	Investigation of Relative Humidity Sensing Using Tapered No-Core Fiber Coated With Graphene Oxide Film. <i>IEEE Access</i> , 2020, 8, 220755-220761.	2.6	8
71	Passive Generation of the Multi-Wavelength Parabolic Pulses in Tapered Silicon Nanowires. <i>IEEE Access</i> , 2020, 8, 77631-77641.	2.6	1
72	The biochemical sensor based on liquid-core photonic crystal fiber filled with gold, silver and aluminum. <i>Optics and Laser Technology</i> , 2020, 130, 106363.	2.2	44

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73	XPM mitigation in WDM systems enabled by split NLC and modified DD-RLS based NLPN tracking. Optics Communications, 2020, 474, 126184.	1.0	2
74	Flexible ZnO thin film acoustic wave device for gas flow rate measurement. Journal of Micromechanics and Microengineering, 2020, 30, 095010.	1.5	10
75	Hierarchical Nanotexturing Enables Acoustofluidics on Slippery yet Sticky, Flexible Surfaces. Nano Letters, 2020, 20, 3263-3270.	4.5	38
76	Compact Hollow Waveguide Mid-Infrared Gas Sensor For Simultaneous Measurements of Ambient CO ₂ and Water Vapor. Journal of Lightwave Technology, 2020, 38, 4580-4587.	2.7	18
77	Integrating microfluidics and biosensing on a single flexible acoustic device using hybrid modes. Lab on A Chip, 2020, 20, 1002-1011.	3.1	28
78	Black Silicon Photodetector with Excellent Comprehensive Properties by Rapid Thermal Annealing and Hydrogenated Surface Passivation. Advanced Optical Materials, 2020, 8, 1901808.	3.6	60
79	A study on the heat distribution and oxidative modification of aged dammar films upon Er:YAG laser irradiation. Journal of the Institute of Conservation, 2020, 43, 59-78.	0.2	4
80	Investigation of a Side-Polished Fiber MZI and Its Sensing Performance. IEEE Sensors Journal, 2020, 20, 5909-5914.	2.4	21
81	Three-Dimensional Tetrapodal ZnO Microstructured Network Based Flexible Surface Acoustic Wave Device for Ultraviolet and Respiration Monitoring Applications. ACS Applied Nano Materials, 2020, 3, 1468-1478.	2.4	33
82	Fused Silica with Embedded 2D-Like Ag Nanoparticle Monolayer: Tunable Saturable Absorbers by Interparticle Spacing Manipulation. Laser and Photonics Reviews, 2020, 14, 1900302.	4.4	30
83	Mid-infrared silicon photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2020, 463, 125387.	1.0	21
84	Design of diamond-shape photonic crystal fiber polarization filter based on surface plasma resonance effect*. Chinese Physics B, 2020, 29, 034208.	0.7	11
85	Integrating Radio-Over-Fiber Communication System and BOTDR Sensor System. Sensors, 2020, 20, 2232.	2.1	8
86	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.	4.0	58
87	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.	2.4	20
88	Surface plasmon resonance-based silicon dual-core photonic crystal fiber polarization beam splitter at the mid-infrared spectral region. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2221.	0.9	19
89	Real-time measurement of CO ₂ isotopologue ratios in exhaled breath by a hollow waveguide based mid-infrared gas sensor. Optics Express, 2020, 28, 10970.	1.7	15
90	Anti-resonance, inhibited coupling and mode transition in depressed core fibers. Optics Express, 2020, 28, 16526.	1.7	14

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91	High-sensitivity temperature sensor based on anti-resonance in high-index polymer-coated optical fiber interferometers. <i>Optics Letters</i> , 2020, 45, 5385.	1.7	18
92	High-sensitivity magnetic sensor based on the evanescent scattering by a magnetorheological film. <i>Optics Letters</i> , 2020, 45, 6643.	1.7	9
93	Dispersion-engineered T-type germanium waveguide for mid-infrared supercontinuum and frequency comb generations in all-normal dispersion region. <i>OSA Continuum</i> , 2020, 3, 2320.	1.8	6
94	Angled fiber-based Fabry-Pérot interferometer. <i>Optics Letters</i> , 2020, 45, 292.	1.7	7
95	Cavity-cavity coupling based on a terahertz rectangular subwavelength waveguide. <i>Journal of Applied Physics</i> , 2019, 126, 063103.	1.1	3
96	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111563.	5.3	29
97	Flexible UV sensor based on nanostructured ZnO thin film SAW device. , 2019, , .		4
98	High Temperature (Up to 950 Å°C) Sensor Based on Micro Taper In-Line Fiber Mach-Zehnder Interferometer. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2394.	1.3	12
99	A V-shape photonic crystal fiber polarization filter based on surface plasmon resonance effect. <i>Optics Communications</i> , 2019, 452, 1-6.	1.0	38
100	High-Performance Free-Standing Flexible Photodetectors Based on Sulfur-Hyperdoped Ultrathin Silicon. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42385-42391.	4.0	27
101	Mid-Infrared Spectral Compression of Soliton Pulse in an Adiabatically Suspended Silicon Waveguide Taper. <i>IEEE Photonics Journal</i> , 2019, 11, 1-11.	1.0	3
102	The Practical Method to Synthesize Gold Nanoparticles Supported on Hydrotalcite and Application on Oxidation and Hydration Reactions. <i>ChemistrySelect</i> , 2019, 4, 10376-10380.	0.7	5
103	Broadband on-Chip Terahertz Asymmetric Waveguiding via Phase-Gradient Metasurface. <i>ACS Photonics</i> , 2019, 6, 1774-1779.	3.2	27
104	SNS optical fiber sensor for direct detection of phase transitions in C18H38 n-alkane material. <i>Experimental Thermal and Fluid Science</i> , 2019, 109, 109854.	1.5	7
105	Generation of parabolic pulse in a dispersion and nonlinearity jointly engineered silicon waveguide taper. <i>Optics Communications</i> , 2019, 448, 48-54.	1.0	2
106	Black phosphorus-polypyrrole nanocomposites for high-performance photothermal cancer therapy. <i>New Journal of Chemistry</i> , 2019, 43, 8620-8626.	1.4	12
107	Discrete Self-Imaging in Small-Core Optical Fiber Interferometers. <i>Journal of Lightwave Technology</i> , 2019, 37, 1873-1884.	2.7	12
108	Time-resolved imaging of mode-conversion process of terahertz transients in subwavelength waveguides. <i>Frontiers of Physics</i> , 2019, 14, 1.	2.4	4

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109	Slow-Nonlinearity Assisted Supercontinuum Generation in a CS ₂ -Core Photonic Crystal Fiber. IEEE Journal of Quantum Electronics, 2019, 55, 1-9.	1.0	8
110	Enhanced on-chip terahertz sensing with hybrid metasurface/lithium niobate structures. Applied Physics Letters, 2019, 114, .	1.5	22
111	Packaged inline cascaded optical micro-resonators for multi-parameter sensing. Optical Fiber Technology, 2019, 50, 50-54.	1.4	12
112	Passively Q-Switched Mode-Locking Nd:(Gd _{0.3} Y _{0.7}) ₂ SiO ₅ Laser Based on Semiconductor Saturable Absorber Mirror. Journal of Russian Laser Research, 2019, 40, 94-99.	0.3	4
113	Self-Similar Propagation and Compression of the Parabolic Pulse in Silicon Waveguide. Journal of Lightwave Technology, 2019, , 1-1.	2.7	5
114	Efficient Spectral Compression of Wavelength-Shifting Soliton and Its Application in Integratable All-Optical Quantization. IEEE Photonics Journal, 2019, 11, 1-15.	1.0	3
115	Giant Tunable Circular Dichroism of Large-Area Extrinsic Chiral Metal Nanocrescent Arrays. Nanoscale Research Letters, 2019, 14, 388.	3.1	16
116	Magnetic Field Sensor Based on a Tri-Microfiber Coupler Ring in Magnetic Fluid and a Fiber Bragg Grating. Sensors, 2019, 19, 5100.	2.1	18
117	XPM Mitigation in WDM Systems Using Split Nonlinearity Compensation. IEEE Photonics Journal, 2019, 11, 1-11.	1.0	10
118	Influence of Light Coupling Configuration and Alignment on the Stability of HWG-Based Gas Sensor System for Real-Time Detection of Exhaled Carbon Dioxide. IEEE Sensors Journal, 2019, 19, 11972-11979.	2.4	9
119	Mode Transition in Conventional Step-Index Optical Fibers. , 2019, , .		1
120	Ultrasensitive Microfiber Refractive Index Sensor Based on Mach-Zehnder Interference of Core Offset Structure. , 2019, , .		0
121	High sensitivity biosensor for Staphylococcus Aureus detection based on tapered a singlemode-no core-singlemode fiber structure. , 2019, , .		0
122	Highly coherent supercontinuum generation in a polarization-maintaining CS ₂ -core photonic crystal fiber. Applied Optics, 2019, 58, 1386.	0.9	18
123	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.	0.9	17
124	Multi-octave mid-infrared supercontinuum and frequency comb generation in a suspended As ₂ Se ₃ ridge waveguide. Applied Optics, 2019, 58, 8404.	0.9	7
125	Strain independent twist sensor based on uneven platinum coated hollow core fiber structure. Optics Express, 2019, 27, 19726.	1.7	7
126	Photonic hooks from Janus microcylinders. Optics Express, 2019, 27, 37771.	1.7	37

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127	Sub-micrometer resolution liquid level sensor based on a hollow core fiber structure. Optics Letters, 2019, 44, 2125.	1.7	40
128	Fused silica capillary interferometer with a layer-by-layer functional coating for the analysis of chemicals content in aqueous solutions. , 2019, , .		0
129	Performance Improvement of Brillouin Ring Laser Based BOTDR System Employing a Wavelength Diversity Technique. Journal of Lightwave Technology, 2018, 36, 1084-1090.	2.7	25
130	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Å°C) Measurement. Journal of Lightwave Technology, 2018, 36, 1583-1590.	2.7	59
131	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.	0.9	7
132	Effect of grafted graphene nanosheets on morphology evolution and conductive behavior of poly(methyl methacrylate)/poly(styrene-co-acrylonitrile) blends during isothermal annealing. RSC Advances, 2018, 8, 14579-14588.	1.7	9
133	Performance analysis of Brillouin optical time domain reflectometry (BOTDR) employing wavelength diversity and passive depolarizer techniques. Measurement Science and Technology, 2018, 29, 025101.	1.4	16
134	Silica Gel Coated Spherical Micro resonator for Ultra-High Sensitivity Detection of Ammonia Gas Concentration in Air. Scientific Reports, 2018, 8, 1620.	1.6	34
135	Studies of geometrical profiling in fabricated tapered optical fibers using whispering gallery modes spectroscopy. Optical Fiber Technology, 2018, 41, 82-88.	1.4	6
136	High Sensitive Z-Shaped Fiber Interferometric Refractive Index Sensor: Simulation and Experiment. IEEE Photonics Technology Letters, 2018, 30, 1131-1134.	1.3	10
137	A Coated Spherical Microresonator for Measurement of Water Vapor Concentration at PPM Levels in Very Low Humidity Environments. Journal of Lightwave Technology, 2018, 36, 2667-2674.	2.7	23
138	Microdisk Resonator With Negative Thermal Optical Coefficient Polymer for Refractive Index Sensing With Thermal Stability. IEEE Photonics Journal, 2018, 10, 1-12.	1.0	4
139	A Packaged Whispering Gallery Mode Strain Sensor Based on a Polymer-Wire Cylindrical Micro Resonator. Journal of Lightwave Technology, 2018, 36, 1757-1765.	2.7	25
140	Phase separation behavior of poly(methyl methacrylate)/poly(styrene-co-maleic anhydride) in the presence of hollow silica nanotubes. RSC Advances, 2018, 8, 40701-40711.	1.7	4
141	Optical fiber Fresnel reflection sensor for direct detection of the solid-liquid phase change in n-octadecane. Measurement Science and Technology, 2018, 29, 125107.	1.4	8
142	NSNI Mitigation in Bi-Directional Raman Amplified Unrepeated System Using Split-DBP. Journal of Lightwave Technology, 2018, 36, 3494-3501.	2.7	4
143	Singlemode-multimode-singlemode fibre structure for phase transition monitoring in phase changing materials (invited paper). Journal of Physics: Conference Series, 2018, 1065, 252024.	0.3	0
144	Three-arm windmill plasmonic nanoantenna: polarization and symmetry-dependent optical characteristics. , 2018, , .		1

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145	Evaluating cellular uptake of gold nanoparticles in HL-7702 and HepG2 cells for plasmonic photothermal therapy. <i>Nanomedicine</i> , 2018, 13, 2245-2259.	1.7	14
146	Optical fibre sensors for monitoring phase transitions in phase changing materials. <i>Smart Materials and Structures</i> , 2018, 27, 105021.	1.8	5
147	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 1-8.	4.0	45
148	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. <i>Journal of Lightwave Technology</i> , 2018, 36, 3672-3677.	2.7	37
149	Thermo-optic tuning of a packaged whispering gallery mode resonator filled with nematic liquid crystal. <i>Optics Express</i> , 2018, 26, 8431.	1.7	26
150	Deterministic generation of single soliton Kerr frequency comb in microresonators by a single shot pulsed trigger. <i>Optics Express</i> , 2018, 26, 18563.	1.7	24
151	Preparation of pyridyltriazole ruthenium complexes as effective catalysts for the selective alkylation and one-pot C-H hydroxylation of 2-oxindole with alcohols and mechanism exploration. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2668-2675.	2.3	60
152	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.	1.6	10
153	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.	2.7	13
154	Propagation of THz pulses in rectangular subwavelength dielectric waveguides. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	7
155	Whispering gallery mode micro resonators for multi-parameter sensing applications. <i>Optics Express</i> , 2018, 26, 31829.	1.7	26
156	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.	1.0	26
157	Fluorescent Strips of Electrospun Fibers for Ratiometric Sensing of Serum Heparin and Urine Trypsin. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3400-3410.	4.0	52
158	Mach-Zehnder Interferometer-Based Integrated Terahertz Temperature Sensor. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 1-7.	1.9	21
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