Qiang Wu

List of Publications by Year
in descending order

367 papers	6,682 citations	87888 38 h-index	110387 64 g-index
370 all docs	370 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.	4.7	3
2	Polarization-insensitive reverse-ridge AlGaAs waveguide for the mid-infrared supercontinuum generation. Optics Communications, 2022, 502, 127407.	2.1	4
3	Optical microfiber sensor for detection of Ni²⁺ ions based on ion imprinting technology. Analyst, The, 2022, 147, 358-365.	3.5	13
4	Localized Plasmon-Based Multicore Fiber Biosensor for Acetylcholine Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	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.	3.8	3
6	High-directionality spin-selective routing of photons in plasmonic nanocircuits. Nanoscale, 2022, 14, 428-432.	5.6	3
7	Tapered Microfiber MZI Biosensor for Highly Sensitive Detection of Staphylococcus Aureus. IEEE Sensors Journal, 2022, 22, 5531-5539.	4.7	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.	4.1	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.	4.7	9
10	Tapered Side-Polished Microfibre Sensor for High Sensitivity hCG Detection. IEEE Sensors Journal, 2022, 22, 7727-7733.	4.7	3
11	Singlemode-Multimode-Singlemode Optical Fiber Sensor for Accurate Blood Pressure Monitoring. Journal of Lightwave Technology, 2022, 40, 4443-4450.	4.6	13
12	Large-Dynamic-Range and High-Stability Phase Demodulation Technology for Fiber-Optic Michelson Interferometric Sensors. Sensors, 2022, 22, 2488.	3.8	2
13	Cryptographic Accumulator and Its Application: A Survey. Security and Communication Networks, 2022, 2022, 1-13.	1.5	3
14	MicroRNAs in Alzheimer's disease: Potential diagnostic markers and therapeutic targets. Biomedicine and Pharmacotherapy, 2022, 148, 112681.	5.6	75
15	A novel surface plasmon resonance-based photonic crystal fiber refractive index sensor with an ultra-wide detection range. Optik, 2022, 259, 168977.	2.9	7
16	Ge₂₀Sb₁₅Se₆₅ 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.	2.1	6
17	Two-Dimensional Ti3C2 MXene-Based Novel Nanocomposites for Breath Sensors for Early Detection of Diabetes Mellitus. Biosensors, 2022, 12, 332.	4.7	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.	5.0	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.	4.7	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.	3.4	4
21	ZnO/glass thin film surface acoustic waves for efficient digital acoustofluidics and active surface cleaning. Materials Chemistry and Physics, 2022, 287, 126290.	4.0	6
22	Supercontinuum and frequency comb generations in the slot SiC waveguide with four zero-dispersion wavelengths. Optik, 2022, , 169561.	2.9	0
23	Ultra-Wide Spectral Bandwidth and Enhanced Absorption in a Metallic Compound Grating CoveredÂby Graphene Monolayer. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	2.9	6
24	Mach-Zehnder Interferometer for High Temperature (1000 Â°C) Sensing Based on a Few-Mode Fiber. Photonic Sensors, 2021, 11, 341-349.	5.0	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.	4.6	17
26	Singlemode-Multimode-Singlemode Fiber Structures for Sensing Applicationsâ€”A Review. IEEE Sensors Journal, 2021, 21, 12734-12751.	4.7	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.	4.7	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.	4.7	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.	2.5	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.	3.8	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.	4.7	22
32	Crack-free femtosecond laser processing of lithium niobate benefited by high substrate temperature. Journal of Applied Physics, 2021, 129, 063102.	2.5	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.	4.7	34
34	Can optical fiber compete with profile analysis tensiometry in critical micelle concentration measurement?. Zeitschrift Fur Physikalische Chemie, 2021, .	2.8	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.	1.9	11
36	Flexible/Bendable Acoustofluidics Based on Thin-Film Surface Acoustic Waves on Thin Aluminum Sheets. ACS Applied Materials & Interfaces, 2021, 13, 16978-16986.	8.0	23

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37	Observation of â€œFrozenâ€Phaseâ€•Propagation of THz Pulses in a Dispersive Optical System. Laser and Photonics Reviews, 2021, 15, 2000591.	8.7	5
38	Linearized and decoupled structureâ€preserving finite difference methods and their analyses for the coupled <scp>SchrÃ¶dingerâ€“Boussinesq</scp> equations. Numerical Methods for Partial Differential Equations, 2021, 37, 2924-2951.	3.6	6
39	Intrusion Location Technology of Sagnac Distributed Fiber Optical Sensing System Based on Deep Learning. IEEE Sensors Journal, 2021, 21, 13327-13334.	4.7	9
40	Electrically Tuning Characteristics of LC Selectively Infiltrated PCF Sagnac Interferometer. IEEE Photonics Technology Letters, 2021, 33, 668-671.	2.5	7
41	Thermo-optic tuning of a nematic liquid crystal-filled capillary whispering gallery mode resonator. Optics Express, 2021, 29, 23569.	3.4	10
42	Ultra-short polarization beam splitter based on dual-core photonic crystal fiber with surface plasmon resonance effect. Optical Engineering, 2021, 60, .	1.0	10
43	Strain-, curvature- and twist-independent temperature sensor based on a small air core hollow core fiber structure. Optics Express, 2021, 29, 26353.	3.4	10
44	Topological Valley Transport of Terahertz Phononâ€“Polaritons in a LiNbO₃ Chip. ACS Photonics, 2021, 8, 2737-2745.	6.6	13
45	Simple structure dual-core photonic crystal fiber polarization beam splitter covering the Oâ€‰+â€‰Eâ€‰+â€‰Sâ€‰+â€‰Câ€‰+â€‰Lâ€‰+â€‰U band based on the surface plasmon resonance effect. Journal of the America B: Optical Physics, 2021, 38, F50.	2.1	6
46	Application of Improved Particle Swarm Optimisation Algorithm in Hull form Optimisation. Journal of Marine Science and Engineering, 2021, 9, 955.	2.6	10
47	Air pressure measurement of circular thin plate using optical fiber multimode interferometer. Measurement: Journal of the International Measurement Confederation, 2021, 182, 109784.	5.0	5
48	NEK7-Mediated Activation of NLRP3 Inflammasome Is Coordinated by Potassium Efflux/Syk/JNK Signaling During Staphylococcus aureus Infection. Frontiers in Immunology, 2021, 12, 747370.	4.8	13
49	High sensitivity liquid level sensor for microfluidic applications using a hollow core fiber structure. Sensors and Actuators A: Physical, 2021, 332, 113134.	4.1	6
50	U-Shape Panda Polarization-Maintaining Microfiber Sensor Coated With Graphene Oxide for Relative Humidity Measurement. Journal of Lightwave Technology, 2021, 39, 6308-6314.	4.6	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. Measurement: Journal of the International Measurement Confederation, 2021, 184, 110002.	5.0	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. IEEE Sensors Journal, 2021, 21, 26681-26689.	4.7	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. Applied Optics, 2021, 60, 9994.	1.8	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 CO₂ Isotopologues with High Accuracy, Precision, and Sensitivity. Analytical Chemistry, 2021, 93, 15468-15473.	6.5	2
58	Passive Homodyne Phase Demodulation Technique Based on LF-TIT-DCM Algorithm for Interferometric Sensors. Sensors, 2021, 21, 8257.	3.8	8
59	Coin Paradox Spinâ€“Orbit Interaction Enhances Magneto-Optical Effect and Its Application in On-Chip Integrated Optical Isolator. Nanoscale Research Letters, 2021, 16, 175.	5.7	0
60	Analysis of a compact multi-step ADI method for linear parabolic equation. International Journal of Modelling and Simulation, 2020, 40, 1-16.	3.3	4
61	Self-similar picosecond pulse compression for supercontinuum generation at mid-infrared wavelength in silicon strip waveguides. Optics Communications, 2020, 454, 124380.	2.1	11
62	Flexible and Integrated Sensing Platform of Acoustic Waves and Metamaterials based on Polyimide-Coated Woven Carbon Fibers. ACS Sensors, 2020, 5, 2563-2569.	7.8	21
63	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
64	Spectral dependence of transmission losses in high-index polymer coated no-core fibers. Journal of Lightwave Technology, 2020, , 1-1.	4.6	6
65	Highly sensitive temperature sensing based on all-solid cladding dual-core photonic crystal fiber filled with the toluene and ethanol. Optics Communications, 2020, 477, 126357.	2.1	22
66	Sensing Characteristics of Fiber Fabry-Perot Sensors Based on Polymer Materials. IEEE Access, 2020, 8, 171316-171324.	4.2	10
67	Real-Time Monitoring of ¹³C- and ¹⁸O-Isotopes of Human Breath CO₂ Using a Mid-Infrared Hollow Waveguide Gas Sensor. Analytical Chemistry, 2020, 92, 12943-12949.	6.5	14
68	Negative Curvature Hollow Core Fiber Based All-Fiber Interferometer and Its Sensing Applications to Temperature and Strain. Sensors, 2020, 20, 4763.	3.8	8
69	Mid-Infrared Supercontinuum and Frequency Comb Generations by Different Optical Modes in a Multimode Chalcogenide Strip Waveguide. IEEE Access, 2020, 8, 202022-202031.	4.2	1
70	Investigation of Relative Humidity Sensing Using Tapered No-Core Fiber Coated With Graphene Oxide Film. IEEE Access, 2020, 8, 220755-220761.	4.2	8
71	Passive Generation of the Multi-Wavelength Parabolic Pulses in Tapered Silicon Nanowires. IEEE Access, 2020, 8, 77631-77641.	4.2	1
72	The biochemical sensor based on liquid-core photonic crystal fiber filled with gold, silver and aluminum. Optics and Laser Technology, 2020, 130, 106363.	4.6	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.	2.1	2
74	Flexible ZnO thin film acoustic wave device for gas flow rate measurement. Journal of Micromechanics and Microengineering, 2020, 30, 095010.	2.6	10
75	Hierarchical Nanotexturing Enables Acoustofluidics on Slippery yet Sticky, Flexible Surfaces. Nano Letters, 2020, 20, 3263-3270.	9.1	38
76	Compact Hollow Waveguide Mid-Infrared Gas Sensor For Simultaneous Measurements of Ambient CO₂ and Water Vapor. Journal of Lightwave Technology, 2020, 38, 4580-4587.	4.6	18
77	Integrating microfluidics and biosensing on a single flexible acoustic device using hybrid modes. Lab on A Chip, 2020, 20, 1002-1011.	6.0	28
78	Black Silicon Photodetector with Excellent Comprehensive Properties by Rapid Thermal Annealing and Hydrogenated Surface Passivation. Advanced Optical Materials, 2020, 8, 1901808.	7.3	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.	0.6	4
80	Investigation of a Side-Polished Fiber MZI and Its Sensing Performance. IEEE Sensors Journal, 2020, 20, 5909-5914.	4.7	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.	5.0	33
82	Fused Silica with Embedded 2Dâ€Like Ag Nanoparticle Monolayer: Tunable Saturable Absorbers by Interparticle Spacing Manipulation. Laser and Photonics Reviews, 2020, 14, 1900302.	8.7	30
83	Mid-infrared silicon photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2020, 463, 125387.	2.1	21
84	Design of diamond-shape photonic crystal fiber polarization filter based on surface plasma resonance effect*. Chinese Physics B, 2020, 29, 034208.	1.4	11
85	Integrating Radio-Over-Fiber Communication System and BOTDR Sensor System. Sensors, 2020, 20, 2232.	3.8	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.	7.8	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.	4.7	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.	2.1	19
89	Real-time measurement of CO₂ isotopologue ratios in exhaled breath by a hollow waveguide based mid-infrared gas sensor. Optics Express, 2020, 28, 10970.	3.4	15
90	Anti-resonance, inhibited coupling and mode transition in depressed core fibers. Optics Express, 2020, 28, 16526.	3.4	14

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91	High-sensitivity temperature sensor based on anti-resonance in high-index polymer-coated optical fiber interferometers. Optics Letters, 2020, 45, 5385.	3.3	18
92	High-sensitivity magnetic sensor based on the evanescent scattering by a magnetorheological film. Optics Letters, 2020, 45, 6643.	3.3	9
93	Dispersion-engineered T-type germanium waveguide for mid-infrared supercontinuum and frequency comb generations in all-normal dispersion region. OSA Continuum, 2020, 3, 2320.	1.8	6
94	Angled fiber-based Fabryâ€“Perot interferometer. Optics Letters, 2020, 45, 292.	3.3	7
95	Cavity-cavity coupling based on a terahertz rectangular subwavelength waveguide. Journal of Applied Physics, 2019, 126, 063103.	2.5	3
96	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. Biosensors and Bioelectronics, 2019, 145, 111563.	10.1	29
97	Flexible UV sensor based on nanostructured ZnO thin film SAW device. , 2019, , .		4
98	High Temperature (Up to 950 Â°C) Sensor Based on Micro Taper In-Line Fiber Machâ€“Zehnder Interferometer. Applied Sciences (Switzerland), 2019, 9, 2394.	2.5	12
99	A V-shape photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2019, 452, 1-6.	2.1	38
100	High-Performance Free-Standing Flexible Photodetectors Based on Sulfur-Hyperdoped Ultrathin Silicon. ACS Applied Materials & Interfaces, 2019, 11, 42385-42391.	8.0	27
101	Mid-Infrared Spectral Compression of Soliton Pulse in an Adiabatically Suspended Silicon Waveguide Taper. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	3
102	The Practical Method to Synthesize Gold Nanoparticles Supported on Hydrotalcite and Application on Oxidation and Hydration Reactions. ChemistrySelect, 2019, 4, 10376-10380.	1.5	5
103	Broadband on-Chip Terahertz Asymmetric Waveguiding via Phase-Gradient Metasurface. ACS Photonics, 2019, 6, 1774-1779.	6.6	27
104	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
105	Generation of parabolic pulse in a dispersion and nonlinearity jointly engineered silicon waveguide taper. Optics Communications, 2019, 448, 48-54.	2.1	2
106	Black phosphorusâ€“polypyrrole nanocomposites for high-performance photothermal cancer therapy. New Journal of Chemistry, 2019, 43, 8620-8626.	2.8	12
107	Discrete Self-Imaging in Small-Core Optical Fiber Interferometers. Journal of Lightwave Technology, 2019, 37, 1873-1884.	4.6	12
108	Time-resolved imaging of mode-conversion process of terahertz transients in subwavelength waveguides. Frontiers of Physics, 2019, 14, 1.	5.0	4

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109	Slow-Nonlinearity Assisted Supercontinuum Generation in a CS₂-Core Photonic Crystal Fiber. IEEE Journal of Quantum Electronics, 2019, 55, 1-9.	1.9	8
110	Enhanced on-chip terahertz sensing with hybrid metasurface/lithium niobate structures. Applied Physics Letters, 2019, 114, .	3.3	22
111	Packaged inline cascaded optical micro-resonators for multi- parameter sensing. Optical Fiber Technology, 2019, 50, 50-54.	2.7	12
112	Passively Q-Switched Mode-Locking Nd:(Gd0.3Y0.7)2SiO5 Laser Based on Semiconductor Saturable Absorber Mirrorâ€. Journal of Russian Laser Research, 2019, 40, 94-99.	0.6	4
113	Self-Similar Propagation and Compression of the Parabolic Pulse in Silicon Waveguide. Journal of Lightwave Technology, 2019, , 1-1.	4.6	5
114	Efficient Spectral Compression of Wavelength-Shifting Soliton and Its Application in Integratable All-Optical Quantization. IEEE Photonics Journal, 2019, 11, 1-15.	2.0	3
115	Giant Tunable Circular Dichroism of Large-Area Extrinsic Chiral Metal Nanocrescent Arrays. Nanoscale Research Letters, 2019, 14, 388.	5.7	16
116	Magnetic Field Sensor Based on a Tri-Microfiber Coupler Ring in Magnetic Fluid and a Fiber Bragg Grating. Sensors, 2019, 19, 5100.	3.8	18
117	XPM Mitigation in WDM Systems Using Split Nonlinearity Compensation. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	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.	4.7	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 CS₂-core photonic crystal fiber. Applied Optics, 2019, 58, 1386.	1.8	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.	1.8	17
124	Multi-octave mid-infrared supercontinuum and frequency comb generation in a suspended As₂Se₃ ridge waveguide. Applied Optics, 2019, 58, 8404.	1.8	7
125	Strain independent twist sensor based on uneven platinum coated hollow core fiber structure. Optics Express, 2019, 27, 19726.	3.4	7
126	Photonic hooks from Janus microcylinders. Optics Express, 2019, 27, 37771.	3.4	37

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127	Sub-micrometer resolution liquid level sensor based on a hollow core fiber structure. Optics Letters, 2019, 44, 2125.	3.3	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.	4.6	25
130	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Â°C) Measurement. Journal of Lightwave Technology, 2018, 36, 1583-1590.	4.6	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.	1.4	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.	3.6	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.	2.6	16
134	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
135	Studies of geometrical profiling in fabricated tapered optical fibers using whispering gallery modes spectroscopy. Optical Fiber Technology, 2018, 41, 82-88.	2.7	6
136	High Sensitive Z-Shaped Fiber Interferometric Refractive Index Sensor: Simulation and Experiment. IEEE Photonics Technology Letters, 2018, 30, 1131-1134.	2.5	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.	4.6	23
138	Microdisk Resonator With Negative Thermal Optical Coefficient Polymer for Refractive Index Sensing With Thermal Stability. IEEE Photonics Journal, 2018, 10, 1-12.	2.0	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.	4.6	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.	3.6	4
141	Optical fiber Fresnel reflection sensor for direct detection of the solidâ€“liquid phase change in n-octadecane. Measurement Science and Technology, 2018, 29, 125107.	2.6	8
142	NSNI Mitigation in Bi-Directional Raman Amplified Unrepeatered System Using Split-DBP. Journal of Lightwave Technology, 2018, 36, 3494-3501.	4.6	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.	0.4	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. Nanomedicine, 2018, 13, 2245-2259.	3.3	14
146	Optical fibre sensors for monitoring phase transitions in phase changing materials. Smart Materials and Structures, 2018, 27, 105021.	3.5	5
147	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. Sensors and Actuators B: Chemical, 2018, 271, 1-8.	7.8	45
148	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. Journal of Lightwave Technology, 2018, 36, 3672-3677.	4.6	37
149	Thermo-optic tuning of a packaged whispering gallery mode resonator filled with nematic liquid crystal. Optics Express, 2018, 26, 8431.	3.4	26
150	Deterministic generation of single soliton Kerr frequency comb in microresonators by a single shot pulsed trigger. Optics Express, 2018, 26, 18563.	3.4	24
151	Preparation of pyridyltriazole ruthenium complexes as effective catalysts for the selective alkylation and one-pot Câ€“H hydroxylation of 2-oxindole with alcohols and mechanism exploration. Organic Chemistry Frontiers, 2018, 5, 2668-2675.	4.5	60
152	A simple all-fiber comb filter based on the combined effect of multimode interference and Mach-Zehnder interferometer. Scientific Reports, 2018, 8, 11803.	3.3	10
153	Mid-Infrared Self-Similar Pulse Compression in a Tapered Tellurite Photonic Crystal Fiber and Its Application in Supercontinuum Generation. Journal of Lightwave Technology, 2018, 36, 3514-3521.	4.6	13
154	Propagation of THz pulses in rectangular subwavelength dielectric waveguides. Journal of Applied Physics, 2018, 123, .	2.5	7
155	Whispering gallery mode micro resonators for multi-parameter sensing applications. Optics Express, 2018, 26, 31829.	3.4	26
156	Simultaneous Measurement of the Refractive Index and Temperature Based on Microdisk Resonator With Two Whispering-Gallery Modes. IEEE Photonics Journal, 2017, 9, 1-13.	2.0	26
157	Fluorescent Strips of Electrospun Fibers for Ratiometric Sensing of Serum Heparin and Urine Trypsin. ACS Applied Materials & Interfaces, 2017, 9, 3400-3410.	8.0	52
158	Machâ€“Zehnder Interferometer-Based Integrated Terahertz Temperature Sensor. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-7.	2.9	21
159	Demonstration of Intermodal Four-Wave Mixing by Femtosecond Pulses Centered at 1550 nm in an Air-Silica Photonic Crystal Fiber. Journal of Lightwave Technology, 2017, 35, 2385-2390.	4.6	3
160	A simple optical fiber interferometer based breathing sensor. Measurement Science and Technology, 2017, 28, 035105.	2.6	28
161	High Sensitivity Ammonia Gas Sensor Based on a Silica-Gel-Coated Microfiber Coupler. Journal of Lightwave Technology, 2017, 35, 2864-2870.	4.6	33
162	Structural, Optical and Multiferroic Properties of (Nd, Zn)-Co-doped BiFeO3 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3027-3034.	1.8	19

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163	Performance improvement of BOTDR system using wavelength diversity technique. , 2017, , .		4
164	Detection of volatile organic compounds using an optical fiber sensor coated with a sol-gel silica layer containing immobilized Nile red. Proceedings of SPIE, 2017, , .	0.8	4
165	Simultaneous measurement of both magnetic field strength and temperature with a microfiber coupler based fiber laser sensor. Proceedings of SPIE, 2017, , .	0.8	3
166	Compact relative humidity sensor based on an Agarose hydrogel coated silica microsphere resonator. , 2017, , .		1
167	Vertical jetting induced by shear horizontal leaky surface acoustic wave on 36Â° Y-X LiTaO3. Applied Physics Letters, 2017, 110, .	3.3	24
168	Deep-ultraviolet second-harmonic generation by combined degenerate four-wave mixing and surface nonlinearity polarization in photonic crystal fiber. Scientific Reports, 2017, 7, 9224.	3.3	2
169	Cardiomyocyte coculture on layered fibrous scaffolds assembled from micropatterned electrospun mats. Materials Science and Engineering C, 2017, 81, 500-510.	7.3	27
170	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. Journal of Lightwave Technology, 2017, 35, 2994-3002.	4.6	46
171	Comprehensive analysis of passive generation of parabolic similaritons in tapered hydrogenated amorphous silicon photonic wires. Scientific Reports, 2017, 7, 3814.	3.3	8
172	Magnetic field sensor based on a combination of a microfiber coupler covered with magnetic fluid and a Sagnac loop. Scientific Reports, 2017, 7, 4725.	3.3	57
173	High sensitivity temperature sensor based on a polymer filled hollow core optical fibre interferometer. Proceedings of SPIE, 2017, , .	0.8	1
174	Highly Sensitive Biochemical Sensor Based on Two-Layer Dielectric Loaded Plasmonic Microring Resonator. Plasmonics, 2017, 12, 1417-1424.	3.4	4
175	Surface enhancement of THz wave by coupling a subwavelength LiNbO3 slab waveguide with a composite antenna structure. Scientific Reports, 2017, 7, 17602.	3.3	7
176	ZnO thin film based flexible temperature sensor. , 2017, , .		3
177	Mid-infrared self-similar compression of picosecond pulse in an inversely tapered silicon ridge waveguide. Optics Express, 2017, 25, 33439.	3.4	20
178	High Sensitivity Refractometer Based on Reflective Smf-Small Diameter No Core Fiber Structure. Sensors, 2017, 17, 1415.	3.8	16
179	Strain-induced spectral tuning of the whispering gallery modes in a cylindrical micro-resonator formed by a polymer optical fiber. Applied Optics, 2017, 56, 1339.	2.1	9
180	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

#	Article	IF	Citations
181	Study of the influence of the agarose hydrogel layer thickness on sensitivity of the coated silica microsphere resonator to humidity. Applied Optics, 2017, 56, 4065.	2.1	4
182	Polarization-dependent intermodal four-wave mixing in a birefringent multimode photonic crystal fiber. Optics Letters, 2017, 42, 1644.	3.3	8
183	Molecular tracking investigation of melioidosis cases reveals regional endemicity in Hainan, China. Biomedical Reports, 2016, 5, 766-770.	2.0	8
184	High sensitivity sol-gel silica coated optical fiber sensor for detection of ammonia in water. Optics Express, 2016, 24, 24179.	3.4	32
185	Agarose coated spherical micro resonator for humidity measurements. Optics Express, 2016, 24, 21216.	3.4	75
186	Multi-octave mid-infrared supercontinuum generation in dispersion-engineered AlGaAs-based strip waveguides. , 2016, , .		1
187	Investigation of Humidity and Temperature Response of a Silica Gel Coated Microfiber Coupler. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	25
188	Sol-gel silica coated optical fiber sensor for ammonia gas detection. , 2016, , .		0
189	A spherical-structure based fiber sensor for simultaneous measurement of ammonia gas concentration and temperature. Proceedings of SPIE, 2016, , .	0.8	1
190	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
191	Plasmonic fiber-optic vector magnetometer. Applied Physics Letters, 2016, 108, .	3.3	74
192	Subwavelength InSb-based Slot wavguides for THz transport: concept and practical implementations. Scientific Reports, 2016, 6, 38784.	3.3	26
193	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
194	Blood fluorescence polarization characteristics of saturated fatty acid biological effects. Optik, 2016, 127, 11877-11883.	2.9	1
195	Utilising a loop structure to allow a microfiber coupler with larger taper diameters to be used for sensing. Proceedings of SPIE, 2016, , .	0.8	0
196	A novel link allocation method for vehicleâ€toâ€vehicleâ€based relaying networks. Transactions on Emerging Telecommunications Technologies, 2016, 27, 64-73.	3.9	10
197	Annealing Effect on Structural, Functional, and Device Properties of Flexible ZnO Acoustic Wave Sensors Based on Commercially Available Al Foil. IEEE Transactions on Electron Devices, 2016, 63, 4535-4541.	3.0	16
198	Pediatric suppurative parotitis caused by Burkholderia pseudomallei. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2016, 22, 31.	1.4	7

#	Article	IF	Citations
199	High Degree Picosecond Pulse Compression in Chalcogenide-Silicon Slot Waveguide Taper. Journal of Lightwave Technology, 2016, 34, 3843-3852.	4.6	29
200	Effect of multi-walled carbon nanotubes on the morphology evolution, conductivity and rheological behaviors of poly(methyl methacrylate)/poly(styrene-co-acrylonitrile) blends during isothermal annealing. RSC Advances, 2016, 6, 10099-10113.	3.6	20
201	Optical microfiber-loaded surface plasmonic TE-pass polarizer. Optics and Laser Technology, 2016, 78, 101-105.	4.6	9
202	Generation of Second-Harmonics Near Ultraviolet Wavelengths From Femtosecond Pump Pulses. IEEE Photonics Technology Letters, 2016, 28, 1719-1722.	2.5	4
203	Delay-Optimal Virtualized Radio Resource Scheduling in Software-Defined Vehicular Networks via Stochastic Learning. IEEE Transactions on Vehicular Technology, 2016, 65, 7857-7867.	6.3	112
204	Refractive index sensor based on a silica microsphere whispering gallery mode resonator. , 2015, , .		1
205	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. Scientific Reports, 2015, 5, 14216.	3.3	16
206	Queuing enhancements for in-vehicle time-sensitive streams using power line communications. , 2015, , .		2
207	Heterogeneous Vehicular Networking: A Survey on Architecture, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2015, 17, 2377-2396.	39.4	425
208	Submicron accuracy fiber taper profiling using whispering gallery modes in a cylindrical fiber micro-resonator. Proceedings of SPIE, 2015, , .	0.8	1
209	Investigation on stress/strain sensing characteristics for magnetorheological smart composite material by a SMS fiber structure. , 2015, , .		0
210	Red-shifted solitons for coherent anti-Stokes Raman scattering microspectroscopy in a polarization-maintaining photonic crystal fiber. Optical Engineering, 2015, 54, 056107.	1.0	1
211	Demonstration of high-rate all-optical sampling scheme. Optik, 2015, 126, 5119-5121.	2.9	0
212	Divisible Load Scheduling in Mobile Grid Based on Stackelberg Pricing Game. , 2015, , .		0
213	CMOS-compatible 2-bit optical spectral quantization scheme using a silicon-nanocrystal-based horizontal slot waveguide. Scientific Reports, 2015, 4, 7177.	3.3	16
214	Quality-of-experience assessment and its application to video services in lte networks. IEEE Wireless Communications, 2015, 22, 70-78.	9.0	75
215	Strong Modulation Instability in a Siliconâ€“Organic Hybrid Slot Waveguide. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	3
216	Morphology evolution, conductive and viscoelastic behaviors of chemically reduced graphene oxide filled poly(methyl methacrylate)/poly(styrene-co-acrylonitrile) nanocomposites during annealing. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1162-1175.	3.8	12

#	Article	IF	Citations
217	Efficient inversions and duplications of mammalian regulatory DNA elements and gene clusters by CRISPR/Cas9. Journal of Molecular Cell Biology, 2015, 7, 284-298.	3.3	116
218	Tunable fractional-order photonic differentiator based on the inverse Raman scattering in a silicon microring resonator. Optics Express, 2015, 23, 11141.	3.4	9
219	Dynamic Performance Analysis of Uplink Transmission in Cluster-Based Heterogeneous Vehicular Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5584-5595.	6.3	43
220	An SMDP-Based Resource Management Scheme for Distributed Cloud Systems. , 2015, , .		3
221	A Hybrid Wedge-To-Wedge Plasmonic Waveguide With Low Loss Propagation and Ultra-Deep-Nanoscale Mode Confinement. Journal of Lightwave Technology, 2015, 33, 3827-3835.	4.6	21
222	Experimental demonstration of impact of optical nonlinearity on photonic time stretched analog-to-digital converter based on photonic crystal fiber. Optik, 2015, 126, 4936-4939.	2.9	2
223	Vector magnetic measurement based on directional scattering between polarized plasmon wave and arrayed nanoparticles. , 2015, , .		0
224	Enhanced intermodal four-wave mixing for visible and near-infrared wavelength generation in a photonic crystal fiber. Optics Letters, 2015, 40, 1338.	3.3	23
225	High sensitivity refractive index sensor based on a tapered small core single-mode fiber structure. Optics Letters, 2015, 40, 4166.	3.3	70
226	Enhanced broadband parametric wavelength conversion in silicon waveguide with the multi-period grating. IEEE Photonics Journal, 2014, , 1-1.	2.0	6
227	Corrections to â€œLow Loss, High Extinction Ration and Ultra-Compact Plasmonic Polarization Beam Splitterâ€•[Apr 1 2014 660-663]. IEEE Photonics Technology Letters, 2014, 26, 2413-2413.	2.5	0
228	UV exposure on a single-mode fiber within a multimode interference structure. Optics Letters, 2014, 39, 6521.	3.3	3
229	Packaged, high-Q, microsphere-resonator-based addâ€“drop filter. Optics Letters, 2014, 39, 5208.	3.3	40
230	Resolution-enhanced all-optical analog-to-digital converter employing cascade optical quantization operation. Optics Express, 2014, 22, 21441.	3.4	29
231	Efficient and broadband parametric wavelength conversion in a vertically etched silicon grating without dispersion engineering. Optics Express, 2014, 22, 6257.	3.4	17
232	Suppression of Raman soliton self-frequency shift in photonic crystal fibers with tellurite subwavelength core. Optical Engineering, 2014, 53, 056109.	1.0	0
233	Scheme for multicast parametric synchronous optical sampling. Optical Engineering, 2014, 53, 056102.	1.0	3
234	A high sensitivity refractometer based on a tapered SCSMF structure and its application to biosensing. Proceedings of SPIE, 2014, , .	0.8	1

#	Article	IF	Citations
235	Study of whispering gallery modes in a cylindrical microresonator excited by a tilted fiber taper. Proceedings of SPIE, 2014, , .	0.8	3
236	The use of a bend singlemodeâ€“multimodeâ€“singlemode (SMS) fibre structure for vibration sensing. Optics and Laser Technology, 2014, 63, 29-33.	4.6	28
237	White Light Trapping Using Supercontinuum Generation Spectra in a Lead-Silicate Fibre Taper. Journal of Lightwave Technology, 2014, 32, 40-45.	4.6	12
238	Effect of nanoclay on the phase separation behavior of poly(methyl methacrylate)/poly(vinyl acetate) binary polymer blends. Chinese Journal of Polymer Science (English Edition), 2014, 32, 1419-1430.	3.8	8
239	Low Loss, High Extinction Ration and Ultra-Compact Plasmonic Polarization Beam Splitter. IEEE Photonics Technology Letters, 2014, 26, 660-663.	2.5	23
240	Regulation of the Protocadherin Celsr3 Gene and Its Role in Globus Pallidus Development and Connectivity. Molecular and Cellular Biology, 2014, 34, 3895-3910.	2.3	25
241	Generation of Multiple Mid-Infrared Wavelengths by Soliton Fission in a Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2014, 26, 2209-2212.	2.5	11
242	Characterization of the ZebrafishUgtRepertoire Reveals a New Class of Drug-Metabolizing UDP Glucuronosyltransferases. Molecular Pharmacology, 2014, 86, 62-75.	2.3	39
243	Hybrid nanowedge plasmonic waveguide for low loss propagation with ultra-deep-subwavelength mode confinement. Optics Letters, 2014, 39, 973.	3.3	21
244	Fabrication of N-TiO₂/InBO₃ Heterostructures with Enhanced Visible Photocatalytic Performance. Journal of Physical Chemistry C, 2014, 118, 13545-13551.	3.1	38
245	Sensitivity enhancement for a multimode fiber sensor with an axisymmetric metal grating layer. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 69-74.	2.0	16
246	Blue-shifted dispersive wave generation by the diffraction-arrested solitons for coherent anti-Stokes Raman scattering microscopy in a photonic crystal fiber. Optics Communications, 2014, 320, 73-76.	2.1	1
247	Design on a highly birefringent and highly nonlinear tellurite ellipse core photonic crystal fiber with two zero dispersion wavelengths. Optical Fiber Technology, 2014, 20, 320-324.	2.7	25
248	Destruction mechanism of coreâ€“shell particles in impact polypropylene copolymer during short molten-state annealing. RSC Advances, 2014, 4, 57935-57944.	3.6	4
249	160-Gb/s NRZ-DQPSK optical transmission system employing QC-LDPC code. Chinese Optics Letters, 2014, 12, 010604-10608.	2.9	2
250	Studies of Effective Coupling conditions for a Microsphere- Tapered Fiber System for Generating Whispering Gallery Modes. , 2014, , .		1
251	Hybrid plasmonic biosensor for simultaneous measurement of both thickness and refractive index. Infrared Physics and Technology, 2013, 60, 134-136.	2.9	8
252	Experimental study of temperature response of a microfiber coupler sensor with a liquid crystal overlay. Proceedings of SPIE, 2013, , .	0.8	3

#	Article	IF	Citations
253	Widely tunable broadband deep-ultraviolet to visible wavelength generation by the cross phase modulation in a hollow-core photonic crystal fiber cladding. Laser Physics Letters, 2013, 10, 085402.	1.4	5
254	Efficient red-shifted dispersive wave in a photonic crystal fiber for widely tunable mid-infrared wavelength generation. Laser Physics Letters, 2013, 10, 045405.	1.4	10
255	Enhanced Refractometer Based on Periodically Tapered Small Core Singlemode Fiber. IEEE Sensors Journal, 2013, 13, 180-185.	4.7	35
256	Efficient and broadband Cherenkov radiations in the multi-knots of a hollow-core photonic crystal fiber cladding. Optics Communications, 2013, 291, 317-320.	2.1	2
257	Influence of clay on the morphology and phase separation behavior of poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587	3.8	15
258	Enhanced refractive index sensor using a combination of a long period fiber grating and a small core singlemode fiber structure. Measurement Science and Technology, 2013, 24, 094002.	2.6	7
259	Mid-infrared Raman sources using spontaneous Raman scattering in germanium core optical fibers. Applied Physics Letters, 2013, 102, .	3.3	18
260	A Graph-Based Cooperative Scheduling Scheme for Vehicular Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1450-1458.	6.3	72
261	Novel Dielectric-Loaded Plasmonic Waveguide for Tight-Confined Hybrid Plasmon Mode. Plasmonics, 2013, 8, 1259-1263.	3.4	8
262	Lumped Time-Delay Compensation Scheme for Coding Synchronization in the Nonlinear Spectral Quantization-Based All-Optical Analog-to-Digital Conversion. IEEE Photonics Journal, 2013, 5, 7201109-7201109.	2.0	12
263	A multimode fiber tip based temperature sensor. , 2013, , .		0
264	Low-temperature sensitivity periodically tapered photonic crystal-fiber-based refractometer. Optics Letters, 2013, 38, 3795.	3.3	26
265	Efficient and broadband Stokes wave generation by degenerate four-wave mixing at the mid-infrared wavelength in a silica photonic crystal fiber. Optics Letters, 2013, 38, 5288.	3.3	13
266	Antiâ€Stokes signal conversion of femtosecond pulses at nearâ€ultraviolet wavelength in photonic crystal fibre. Electronics Letters, 2013, 49, 1348-1350.	1.0	0
267	Packaged chalcogenide microsphere resonator with high Q-factor. Applied Physics Letters, 2013, 102, .	3.3	47
268	Fiber-tip high-temperature sensor based on multimode interference. Optics Letters, 2013, 38, 4617.	3.3	70
269	COHERENT ANTI-STOKES RAMAN SCATTERING MICROSCOPY BY DISPERSIVE WAVE GENERATIONS IN A POLARIZATION MAINTAINING PHOTONIC CRYSTAL FIBER. Progress in Electromagnetics Research, 2013, 141, 659-670.	4.4	5
270	Enhanced RI sensor using a combination of a long period fiber grating and a small core singlemode fiber (SCSMF) structure. Proceedings of SPIE, 2012, , .	0.8	0

#	Article	IF	Citations
271	High temperature performance of an optical microfibre coupler and its potential use as a sensor. Electronics Letters, 2012, 48, 283.	1.0	24
272	A novel nano-plasmonic band-gap splitter based on a T-shaped Bragg grating waveguide. Proceedings of SPIE, 2012, , .	0.8	0
273	Germanium microsphere high-Q resonator. Optics Letters, 2012, 37, 728.	3.3	45
274	A novel biosensor based on a coupled surface plasmon nanostructure. , 2012, , .		0
275	Chalcogenide Microsphere Fabricated From Fiber Tapers Using Contact With a High-Temperature Ceramic Surface. IEEE Photonics Technology Letters, 2012, 24, 1103-1105.	2.5	28
276	An SMS fiber structure based on chalcogenide multimode fiber. Proceedings of SPIE, 2012, , .	0.8	3
277	Refractive index sensing measurement based on periodically tapered small core singlemode fibre. , 2012, , .		0
278	Spectral tuning of a microfiber coupler with a liquid crystal overlay. , 2012, , .		6
279	High-Q Bismuth-Silicate Nonlinear Glass Microsphere Resonators. IEEE Photonics Journal, 2012, 4, 1013-1020.	2.0	10
280	Analysis and applications of nanocavity structures used as tunable filters and sensors. Infrared Physics and Technology, 2012, 55, 389-394.	2.9	14
281	High stable single-polarization tunable fiber laser based on Opto-DMD processor and polarization-maintaining fiber devices. Laser Physics, 2012, 22, 1833-1836.	1.2	1
282	Evanescent field coupling between two parallel close contact SMS fiber structures. Optics Express, 2012, 20, 3098.	3.4	8
283	Unique evolution of spatial and dynamic heterogeneities on the glass transition behavior of PVPh/PEO blends. Chinese Journal of Polymer Science (English Edition), 2012, 30, 900-915.	3.8	10
284	The role of filler network in nonlinear viscoelastic behavior of vapor grown carbon nanofiber filled polystyrene: A strain dependent rheological behavior and electrical conductivity study. Polymer Engineering and Science, 2012, 52, 643-648.	3.1	5
285	Microstructure, morphology, crystallization and rheological behavior of impact polypropylene copolymer. Science China Chemistry, 2012, 55, 698-712.	8.2	11
286	Influence of shearing on impact polypropylene copolymer: Phase morphology, thermal and rheological behavior. Chinese Journal of Polymer Science (English Edition), 2012, 30, 470-477.	3.8	5
287	The Use of a Fiber Comb Filter Fabricated by a CO$_{2}$ Laser Irradiation to Improve the Resolution of a Ratiometric Wavelength Measurement System. Journal of Lightwave Technology, 2012, 30, 1143-1149.	4.6	6
288	Numerical investigation on a laser based localised joining with a glass frit intermediate layer. Microsystem Technologies, 2012, 18, 87-95.	2.0	2

#	Article	IF	Citations
289	High sensitivity refractive index sensor based on multimode fiber coated with an axisymmetric metal grating layer. , 2012, , .		0
290	A silica singmode fibre-chalcogenide multimode fibre-silica singlemode fibre structure. Photonics Letters of Poland, 2012, 4, .	0.4	1
291	Singlemode hetero-core fiber based refractometer demodulated in a ratiometric system. , 2011, , .		0
292	Experimental demonstration of a simple displacement sensor based on a bent single-modeâ€“multimodeâ€“single-mode fiber structure. Measurement Science and Technology, 2011, 22, 025203.	2.6	59
293	Use of a Bent Single SMS Fiber Structure for Simultaneous Measurement of Displacement and Temperature Sensing. IEEE Photonics Technology Letters, 2011, 23, 130-132.	2.5	94
294	A simple ultrasensitive displacement sensor based on a high bend loss single-mode fibre and a ratiometric measurement system. Journal of Optics (United Kingdom), 2011, 13, 075402.	2.2	10
295	Light Coupling Between a Singlemode- Multimode-Singlemode (SMS) Fiber Structure and a Long Period Fiber Grating. Journal of Lightwave Technology, 2011, 29, 3683-3688.	4.6	6
296	Investigation of single-modeâ€“multimodeâ€“single-mode and single-modeâ€“tapered-multimodeâ€“single-mode fiber structures and their application for refractive index sensing. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1180.	2.1	82
297	High sensitivity SMS fiber structure based refractometer â€“ analysis and experiment. Optics Express, 2011, 19, 7937.	3.4	387
298	Humidity sensor based on a single-mode hetero-core fiber structure. Optics Letters, 2011, 36, 1752.	3.3	79
299	Fiber refractometer based on a fiber Bragg grating and single-modeâ€“multimodeâ€“single-mode fiber structure. Optics Letters, 2011, 36, 2197.	3.3	125
300	High-sensitivity, evanescent field refractometric sensor based on a tapered, multimode fiber interference. Optics Letters, 2011, 36, 2233.	3.3	252
301	The use of a bent singlemode-multimode-singlemode (SMS) fiber structure for vibration sensing. Proceedings of SPIE, 2011, , .	0.8	6
302	Optimization of an integrated wavelength monitor device. , 2011, , .		2
303	An improved radiometric wavelength measurement system incorporating fibre comb filters fabricated by CO 2 laser irradiation. , 2011, , .		1
304	The use of 2D and 3D WA-BPM models to analyze total-internal-reflection-based integrated optical switches. , 2011, , .		1
305	Study on high weld strength of impact propylene copolymer/high density polyethylene laminates. Chinese Journal of Polymer Science (English Edition), 2011, 29, 497-505.	3.8	12
306	Proposal for a simple integrated optical ion-exchange waveguide polarizer with a liquid crystal overlay. Optics Communications, 2011, 284, 979-984.	2.1	2

#	Article	IF	Citations
307	Numerical study of an ion-exchanged glass waveguide using both two-dimensional and three-dimensional models. Optics and Laser Technology, 2011, 43, 882-888.	4.6	1
308	Solution properties of hydrophobically modified polyelectrolytes synthesized via solution and micellar copolymerization. Polymer International, 2011, 60, 353-361.	3.1	3
309	Singleâ€modeâ€“multimodeâ€“singleâ€mode fiber structures for simultaneous measurement of strain and temperature. Microwave and Optical Technology Letters, 2011, 53, 2181-2185.	1.4	27
310	Study on thermal behavior of impact polypropylene copolymer and its fractions. Journal of Applied Polymer Science, 2011, 119, 1560-1566.	2.6	25
311	Viscoelastic relaxation of styrene-butadiene-styrene block copolymers with different topological structures. Journal of Applied Polymer Science, 2011, 120, 2962-2970.	2.6	6
312	A fiber-optic voltage sensor based on macrobending structure. Optics and Laser Technology, 2011, 43, 922-925.	4.6	35
313	Lead silicate glass microsphere resonators with absorption-limited Q. Applied Physics Letters, 2011, 98, .	3.3	13
314	A comprehensive analysis verified by experiment of a refractometer based on an SMF28â€“small-core singlemode fiber (SCSMF)â€“SMF28 fiber structure. Journal of Optics (United Kingdom), 2011, 13, 125401.	2.2	35
315	Fibre heterostructure for simultaneous strain and temperature measurement. Electronics Letters, 2011, 47, 713.	1.0	9
316	Simultaneous measurement of displacement and temperature with a single singlemode-multimode-singlemode (SMS) fiber structure. , 2010, , .		1
317	Implementation of fiber filters based on a macrobending high-bend loss fiber utilizing the Whispering Gallery mode effect. Proceedings of SPIE, 2010, , .	0.8	0
318	Optimum design for maximum wavelength resolution for an edge filter-based ratiometric system. Optics and Laser Technology, 2010, 42, 1032-1037.	4.6	1
319	Glass Frit as a Hermetic Joining Layer in Laser Based Joining of Miniature Devices. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 470-477.	1.3	28
320	A bend lossâ€“based singlemode fiber microdisplacement sensor. Microwave and Optical Technology Letters, 2010, 52, 2231-2235.	1.4	8
321	Simple design technique for a triangular FBG filter based on a linearly chirped grating. Optics Communications, 2010, 283, 985-992.	2.1	15
322	High resolution temperature insensitive interrogation technique for FBG sensors. Optics and Laser Technology, 2010, 42, 653-656.	4.6	42
323	Single-Multiple-Single mode fiber structures for simultaneous measurement of strain and temperature. , 2010, , .		0
324	A study of the effect of the position of an edge filter within a ratiometric wavelength measurement system. Measurement Science and Technology, 2010, 21, 094013.	2.6	10

#	Article	IF	Citations
325	Simultaneous measurement of displacement and temperature with a single SMS fiber structure. , 2010, , .		2
326	Simple optic fibre microphone based on hetero-core spliced fibre structure. Electronics Letters, 2010, 46, 853.	1.0	0
327	A macrobending fiber based vibration sensor using Whispering Gallery mode. Proceedings of SPIE, 2010, , .	0.8	3
328	Simultaneous measurement of displacement and temperature with a single singlemode-multimode-singlemode (SMS) fiber structure. , 2010, , .		0
329	Bent SMS fibre structure for temperature measurement. Electronics Letters, 2010, 46, 1129.	1.0	39
330	Strain sensor based on a pair of single-mode-multimode-single-mode fiber structures in a ratiometric power measurement scheme. Applied Optics, 2010, 49, 536.	2.1	64
331	Temperature performance of a macrobending single-mode fiber-based refractometer. Applied Optics, 2010, 49, 1744.	2.1	11
332	Study of the effect of source signal bandwidth on ratiometric wavelength measurement. Applied Optics, 2010, 49, 5626.	2.1	4
333	A Macrobending Fiber Based Micro-Displacement Sensor. , 2010, , .		2
334	A macrobending singlemode fiber refractive index sensor for low refractive index liquids. Photonics Letters of Poland, 2010, 2, .	0.4	19
335	Localised laser joining of glass to silicon with BCB intermediate layer. Microsystem Technologies, 2009, 15, 1051-1057.	2.0	16
336	Rheological behavior of PAAâ€“C n TAB complex: influence of PAA charge density and surfactant tail length in PAA semidilute aqueous solution. Colloid and Polymer Science, 2009, 287, 911-918.	2.1	19
337	The mechanical and viscoelastic properties of SSBR vulcanizates filled with organically modified montmorillonite and silica. Journal of Materials Science, 2009, 44, 1881-1888.	3.7	23
338	Effects of castor oil, glycol semiâ€ester, and polymer concentration on the properties of waterborne polyurethane dispersions. Polymer Engineering and Science, 2009, 49, 162-167.	3.1	17
339	Use of a single-multiple-single-mode fiber filter for interrogating fiber Bragg grating strain sensors with dynamic temperature compensation. Applied Optics, 2009, 48, 5451.	2.1	48
340	Macrobending single-mode fiber-based refractometer. Applied Optics, 2009, 48, 6044.	2.1	59
341	A macrobending fiber based micro-displacement sensor utilizing whispering-gallery modes. , 2009, , .		3
342	Correlation between rheological behavior and structure of multi-component polymer systems. Science in China Series B: Chemistry, 2008, 51, 1-12.	0.8	8

#	Article	IF	Citations
343	Investigation on LCST behavior of a new amorphous/crystalline polymer blend: Poly(nâ€methyl) Tj ETQq1 1 0.784314 rgBT /Overl 46, 1923-1931.	2.1	8
344	Rheological characterization of room temperature vulcanized silicone sealant: Effect of filler particle size. Polymer Engineering and Science, 2008, 48, 656-661.	3.1	15
345	Room temperature resistance relaxation behavior for carbon black filled conductive polymer composites. Journal of Applied Polymer Science, 2008, 107, 3083-3089.	2.6	2
346	Analysis of a Y-junction optical waveguide interleaver. Optics Communications, 2008, 281, 4014-4018.	2.1	1
347	Hermetic joining of micro-devices using a glass frit intermediate layer and a scanning laser beam. , 2008, , .		0
348	Assessment of Properties of a Room Temperature Vulcanized Silicone Sealant Based on Dynamic Rheological Approach. Journal of Adhesion Science and Technology, 2008, 22, 2013-2023.	2.6	0
349	Influences of Acid and Alkali on Mechanical Properties of Compressionâ€Molded Gluten Bioplastics. Cereal Chemistry, 2008, 85, 379-383.	2.2	3
350	Hermetic joining of micro-devices using a glass frit intermediate layer and a scanning laser beam. , 2008, , .		1
351	Effect of composition and component structure on thermal behavior and miscibility of polypropylene catalloys. Journal of Applied Polymer Science, 2007, 106, 448-454.	2.6	9
352	Kinetic release of triptolide after injection of renal-targeting 14-succinyl triptolide-lysozyme in a rat kidney study by liquid chromatography/mass spectrometry. Biomedical Chromatography, 2007, 21, 724-729.	1.7	10
353	Structure, Morphology and Properties of a Novel Molecular Composite by In-Situ Blending of Anionic Polyamide 6 with a Polyamide Copolymer Containing Rigid Segments. Macromolecular Materials and Engineering, 2007, 292, 197-205.	3.6	7
354	Three-dimensional polymer optical waveguide interleaver with selectable channel spacing. Optics Communications, 2007, 273, 394-397.	2.1	6
355	Compact tunable three-dimensional polymer optical waveguide comb filter. Optics Communications, 2007, 277, 89-92.	2.1	5
356	Formation of Î²-iPP in isotactic polypropylene/ethyleneâ€“propylene rubber blends: Effects of preparation method, composition, and thermal condition. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1704-1712.	2.1	8
357	General design approach to multichannel fiber Bragg grating. Journal of Lightwave Technology, 2006, 24, 1571-1580.	4.6	27
358	A Y-junction polymer optical waveguide interleaver. Optics Communications, 2006, 267, 373-378.	2.1	12
359	Phase Morphologies and Viscoelastic Relaxation Behaviors for an LCST-Type Polymer Blend Composed of Poly(methyl methacrylate) and Poly[(Î±-methyl styrene)-co-acrylonitrile]. Macromolecular Chemistry and Physics, 2006, 207, 1927-1937.	2.2	18
360	New sampling-based design of simultaneous compensation of both dispersion and dispersion slope for multichannel fiber Bragg gratings. IEEE Photonics Technology Letters, 2005, 17, 381-383.	2.5	12

#	Article	IF	Citations
361	Polymer-based compact comb filter with flat top response. IEEE Photonics Technology Letters, 2005, 17, 2619-2621.	2.5	4
362	The control of channel numbers with equal reflectivity of sinc-sampled fiber Bragg gratings. Optics Communications, 2004, 233, 83-88.	2.1	4
363	Analysis of nonuniformities of sampled fiber Bragg gratings. Applied Optics, 2004, 43, 5832.	2.1	2
364	Experimental investigation of the performance of co- and counter-pumped Raman fiber amplifiers. Microwave and Optical Technology Letters, 2003, 37, 190-194.	1.4	2
365	Fiber Bragg grating array as en/de-coder in OCDMA system. , 2002, , .		0
366	Influence of crosstalk on all-optical system. , 2002, 4924, 358.		0
367	Single-polarization single-mode hollow-core negative curvature fiber with nested U-type cladding elements. Chinese Physics B, 0, , .	1.4	1