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	Heterogeneous Vehicular Networking: A Survey on Architecture, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2015, 17, 2377-2396.	39.4	425
2	High sensitivity SMS fiber structure based refractometer â€“ analysis and experiment. Optics Express, 2011, 19, 7937.	3.4	387
3	High-sensitivity, evanescent field refractometric sensor based on a tapered, multimode fiber interference. Optics Letters, 2011, 36, 2233.	3.3	252
4	Fiber refractometer based on a fiber Bragg grating and single-modeâ€“multimodeâ€“single-mode fiber structure. Optics Letters, 2011, 36, 2197.	3.3	125
5	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
6	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
7	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
8	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
9	Humidity sensor based on a single-mode hetero-core fiber structure. Optics Letters, 2011, 36, 1752.	3.3	79
10	Singlemode-Multimode-Singlemode Fiber Structures for Sensing Applicationsâ€”A Review. IEEE Sensors Journal, 2021, 21, 12734-12751.	4.7	78
11	Quality-of-experience assessment and its application to video services in lte networks. IEEE Wireless Communications, 2015, 22, 70-78.	9.0	75
12	Agarose coated spherical micro resonator for humidity measurements. Optics Express, 2016, 24, 21216.	3.4	75
13	MicroRNAs in Alzheimer's disease: Potential diagnostic markers and therapeutic targets. Biomedicine and Pharmacotherapy, 2022, 148, 112681.	5.6	75
14	Plasmonic fiber-optic vector magnetometer. Applied Physics Letters, 2016, 108, .	3.3	74
15	A Graph-Based Cooperative Scheduling Scheme for Vehicular Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1450-1458.	6.3	72
16	Fiber-tip high-temperature sensor based on multimode interference. Optics Letters, 2013, 38, 4617.	3.3	70
17	High sensitivity refractive index sensor based on a tapered small core single-mode fiber structure. Optics Letters, 2015, 40, 4166.	3.3	70
18	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

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19	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
20	Black Silicon Photodetector with Excellent Comprehensive Properties by Rapid Thermal Annealing and Hydrogenated Surface Passivation. Advanced Optical Materials, 2020, 8, 1901808.	7.3	60
21	Macrobending single-mode fiber-based refractometer. Applied Optics, 2009, 48, 6044.	2.1	59
22	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
23	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Â°C) Measurement. Journal of Lightwave Technology, 2018, 36, 1583-1590.	4.6	59
24	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
25	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
26	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
27	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
28	Packaged chalcogenide microsphere resonator with high Q-factor. Applied Physics Letters, 2013, 102, .	3.3	47
29	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
30	Germanium microsphere high-Q resonator. Optics Letters, 2012, 37, 728.	3.3	45
31	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. Sensors and Actuators B: Chemical, 2018, 271, 1-8.	7.8	45
32	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
33	Dynamic Performance Analysis of Uplink Transmission in Cluster-Based Heterogeneous Vehicular Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5584-5595.	6.3	43
34	High resolution temperature insensitive interrogation technique for FBG sensors. Optics and Laser Technology, 2010, 42, 653-656.	4.6	42
35	Localized Plasmon-Based Multicore Fiber Biosensor for Acetylcholine Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	41
36	Packaged, high-Q, microsphere-resonator-based addâ€“drop filter. Optics Letters, 2014, 39, 5208.	3.3	40

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37	Sub-micrometer resolution liquid level sensor based on a hollow core fiber structure. Optics Letters, 2019, 44, 2125.	3.3	40
38	Bent SMS fibre structure for temperature measurement. Electronics Letters, 2010, 46, 1129.	1.0	39
39	Characterization of the ZebrafishUgtRepertoire Reveals a New Class of Drug-Metabolizing UDP Glucuronosyltransferases. Molecular Pharmacology, 2014, 86, 62-75.	2.3	39
40	Fabrication of N-TiO₂/InBO₃ Heterostructures with Enhanced Visible Photocatalytic Performance. Journal of Physical Chemistry C, 2014, 118, 13545-13551.	3.1	38
41	A V-shape photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2019, 452, 1-6.	2.1	38
42	Hierarchical Nanotexturing Enables Acoustofluidics on Slippery yet Sticky, Flexible Surfaces. Nano Letters, 2020, 20, 3263-3270.	9.1	38
43	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. Journal of Lightwave Technology, 2018, 36, 3672-3677.	4.6	37
44	Photonic hooks from Janus microcylinders. Optics Express, 2019, 27, 37771.	3.4	37
45	A fiber-optic voltage sensor based on macrobending structure. Optics and Laser Technology, 2011, 43, 922-925.	4.6	35
46	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
47	Enhanced Refractometer Based on Periodically Tapered Small Core Singlemode Fiber. IEEE Sensors Journal, 2013, 13, 180-185.	4.7	35
48	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
49	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
50	High Sensitivity Ammonia Gas Sensor Based on a Silica-Gel-Coated Microfiber Coupler. Journal of Lightwave Technology, 2017, 35, 2864-2870.	4.6	33
51	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
52	High sensitivity sol-gel silica coated optical fiber sensor for detection of ammonia in water. Optics Express, 2016, 24, 24179.	3.4	32
53	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
54	Resolution-enhanced all-optical analog-to-digital converter employing cascade optical quantization operation. Optics Express, 2014, 22, 21441.	3.4	29

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55	High Degree Picosecond Pulse Compression in Chalcogenide-Silicon Slot Waveguide Taper. Journal of Lightwave Technology, 2016, 34, 3843-3852.	4.6	29
56	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. Biosensors and Bioelectronics, 2019, 145, 111563.	10.1	29
57	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
58	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
59	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
60	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
61	A simple optical fiber interferometer based breathing sensor. Measurement Science and Technology, 2017, 28, 035105.	2.6	28
62	Integrating microfluidics and biosensing on a single flexible acoustic device using hybrid modes. Lab on A Chip, 2020, 20, 1002-1011.	6.0	28
63	General design approach to multichannel fiber Bragg grating. Journal of Lightwave Technology, 2006, 24, 1571-1580.	4.6	27
64	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
65	Cardiomyocyte coculture on layered fibrous scaffolds assembled from micropatterned electrospun mats. Materials Science and Engineering C, 2017, 81, 500-510.	7.3	27
66	High-Performance Free-Standing Flexible Photodetectors Based on Sulfur-Hyperdoped Ultrathin Silicon. ACS Applied Materials & Interfaces, 2019, 11, 42385-42391.	8.0	27
67	Broadband on-Chip Terahertz Asymmetric Waveguiding via Phase-Gradient Metasurface. ACS Photonics, 2019, 6, 1774-1779.	6.6	27
68	Low-temperature sensitivity periodically tapered photonic crystal-fiber-based refractometer. Optics Letters, 2013, 38, 3795.	3.3	26
69	Subwavelength InSb-based Slot wavguides for THz transport: concept and practical implementations. Scientific Reports, 2016, 6, 38784.	3.3	26
70	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
71	Thermo-optic tuning of a packaged whispering gallery mode resonator filled with nematic liquid crystal. Optics Express, 2018, 26, 8431.	3.4	26
72	Whispering gallery mode micro resonators for multi-parameter sensing applications. Optics Express, 2018, 26, 31829.	3.4	26

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73	Study on thermal behavior of impact polypropylene copolymer and its fractions. Journal of Applied Polymer Science, 2011, 119, 1560-1566.	2.6	25
74	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
75	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
76	Investigation of Humidity and Temperature Response of a Silica Gel Coated Microfiber Coupler. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	25
77	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
78	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
79	High temperature performance of an optical microfibre coupler and its potential use as a sensor. Electronics Letters, 2012, 48, 283.	1.0	24
80	Vertical jetting induced by shear horizontal leaky surface acoustic wave on 36Â° Y-X LiTaO3. Applied Physics Letters, 2017, 110, .	3.3	24
81	Deterministic generation of single soliton Kerr frequency comb in microresonators by a single shot pulsed trigger. Optics Express, 2018, 26, 18563.	3.4	24
82	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
83	Low Loss, High Extinction Ration and Ultra-Compact Plasmonic Polarization Beam Splitter. IEEE Photonics Technology Letters, 2014, 26, 660-663.	2.5	23
84	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
85	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
86	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
87	Enhanced on-chip terahertz sensing with hybrid metasurface/lithium niobate structures. Applied Physics Letters, 2019, 114, .	3.3	22
88	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
89	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
90	Hybrid nanowedge plasmonic waveguide for low loss propagation with ultra-deep-subwavelength mode confinement. Optics Letters, 2014, 39, 973.	3.3	21

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91	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
92	Machâ€“Zehnder Interferometer-Based Integrated Terahertz Temperature Sensor. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-7.	2.9	21
93	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
94	Investigation of a Side-Polished Fiber MZI and Its Sensing Performance. IEEE Sensors Journal, 2020, 20, 5909-5914.	4.7	21
95	Mid-infrared silicon photonic crystal fiber polarization filter based on surface plasmon resonance effect. Optics Communications, 2020, 463, 125387.	2.1	21
96	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
97	Mid-infrared self-similar compression of picosecond pulse in an inversely tapered silicon ridge waveguide. Optics Express, 2017, 25, 33439.	3.4	20
98	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
99	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
100	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
101	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
102	A macrobending singlemode fiber refractive index sensor for low refractive index liquids. Photonics Letters of Poland, 2010, 2, .	0.4	19
103	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
104	Mid-infrared Raman sources using spontaneous Raman scattering in germanium core optical fibers. Applied Physics Letters, 2013, 102, .	3.3	18
105	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
106	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
107	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
108	Highly coherent supercontinuum generation in a polarization-maintaining CS₂-core photonic crystal fiber. Applied Optics, 2019, 58, 1386.	1.8	18

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109	High-sensitivity temperature sensor based on anti-resonance in high-index polymer-coated optical fiber interferometers. Optics Letters, 2020, 45, 5385.	3.3	18
110	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
111	Efficient and broadband parametric wavelength conversion in a vertically etched silicon grating without dispersion engineering. Optics Express, 2014, 22, 6257.	3.4	17
112	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
113	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
114	Localised laser joining of glass to silicon with BCB intermediate layer. Microsystem Technologies, 2009, 15, 1051-1057.	2.0	16
115	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
116	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. Scientific Reports, 2015, 5, 14216.	3.3	16
117	CMOS-compatible 2-bit optical spectral quantization scheme using a silicon-nanocrystal-based horizontal slot waveguide. Scientific Reports, 2015, 4, 7177.	3.3	16
118	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
119	High Sensitivity Refractometer Based on Reflective Smf-Small Diameter No Core Fiber Structure. Sensors, 2017, 17, 1415.	3.8	16
120	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
121	Giant Tunable Circular Dichroism of Large-Area Extrinsic Chiral Metal Nanocrescent Arrays. Nanoscale Research Letters, 2019, 14, 388.	5.7	16
122	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
123	Rheological characterization of room temperature vulcanized silicone sealant: Effect of filler particle size. Polymer Engineering and Science, 2008, 48, 656-661.	3.1	15
124	Simple design technique for a triangular FBG filter based on a linearly chirped grating. Optics Communications, 2010, 283, 985-992.	2.1	15
125	Influence of clay on the morphology and phase separation behavior of poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107	3.8	15
126	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

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127	Analysis and applications of nanocavity structures used as tunable filters and sensors. Infrared Physics and Technology, 2012, 55, 389-394.	2.9	14
128	Evaluating cellular uptake of gold nanoparticles in HL-7702 and HepG2 cells for plasmonic photothermal therapy. Nanomedicine, 2018, 13, 2245-2259.	3.3	14
129	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
130	Anti-resonance, inhibited coupling and mode transition in depressed core fibers. Optics Express, 2020, 28, 16526.	3.4	14
131	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
132	Lead silicate glass microsphere resonators with absorption-limited Q. Applied Physics Letters, 2011, 98, .	3.3	13
133	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
134	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
135	Topological Valley Transport of Terahertz Phononâ€“Polaritons in a LiNbO₃ Chip. ACS Photonics, 2021, 8, 2737-2745.	6.6	13
136	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
137	Optical microfiber sensor for detection of Ni²⁺ ions based on ion imprinting technology. Analyst, The, 2022, 147, 358-365.	3.5	13
138	Singlemode-Multimode-Singlemode Optical Fiber Sensor for Accurate Blood Pressure Monitoring. Journal of Lightwave Technology, 2022, 40, 4443-4450.	4.6	13
139	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
140	A Y-junction polymer optical waveguide interleaver. Optics Communications, 2006, 267, 373-378.	2.1	12
141	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
142	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
143	White Light Trapping Using Supercontinuum Generation Spectra in a Lead-Silicate Fibre Taper. Journal of Lightwave Technology, 2014, 32, 40-45.	4.6	12
144	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

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145	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
146	Black phosphorusâ€“polypyrrole nanocomposites for high-performance photothermal cancer therapy. New Journal of Chemistry, 2019, 43, 8620-8626.	2.8	12
147	Discrete Self-Imaging in Small-Core Optical Fiber Interferometers. Journal of Lightwave Technology, 2019, 37, 1873-1884.	4.6	12
148	Packaged inline cascaded optical micro-resonators for multi- parameter sensing. Optical Fiber Technology, 2019, 50, 50-54.	2.7	12
149	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
150	Temperature performance of a macrobending single-mode fiber-based refractometer. Applied Optics, 2010, 49, 1744.	2.1	11
151	Microstructure, morphology, crystallization and rheological behavior of impact polypropylene copolymer. Science China Chemistry, 2012, 55, 698-712.	8.2	11
152	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
153	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
154	Self-similar picosecond pulse compression for supercontinuum generation at mid-infrared wavelength in silicon strip waveguides. Optics Communications, 2020, 454, 124380.	2.1	11
155	Design of diamond-shape photonic crystal fiber polarization filter based on surface plasma resonance effect*. Chinese Physics B, 2020, 29, 034208.	1.4	11
156	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
157	Tapered Microfiber MZI Biosensor for Highly Sensitive Detection of Staphylococcus Aureus. IEEE Sensors Journal, 2022, 22, 5531-5539.	4.7	11
158	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
159	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
160	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
161	High-Q Bismuth-Silicate Nonlinear Glass Microsphere Resonators. IEEE Photonics Journal, 2012, 4, 1013-1020.	2.0	10
162	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

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163	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
164	A novel link allocation method for vehicleâ€toâ€vehicleâ€based relaying networks. Transactions on Emerging Telecommunications Technologies, 2016, 27, 64-73.	3.9	10
165	High Sensitive Z-Shaped Fiber Interferometric Refractive Index Sensor: Simulation and Experiment. IEEE Photonics Technology Letters, 2018, 30, 1131-1134.	2.5	10
166	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
167	XPM Mitigation in WDM Systems Using Split Nonlinearity Compensation. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	10
168	Sensing Characteristics of Fiber Fabry-Perot Sensors Based on Polymer Materials. IEEE Access, 2020, 8, 171316-171324.	4.2	10
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