Qi Wang

List of Publications by Year
in descending order

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175	4,188	109321	138484
papers	citations	35 h-index	58 g-index

176	176	176	3112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Long-range surface plasmon resonance and its sensing applications: A review. Optics and Lasers in Engineering, 2019, 112, 103-118.	3.8	160
2	A comprehensive review of lossy mode resonance-based fiber optic sensors. Optics and Lasers in Engineering, 2018, 100, 47-60.	3.8	151
3	Hollow-core photonic crystal fiber Fabryâ€“Perot sensor for magnetic field measurement based on magnetic fluid. Optics and Laser Technology, 2012, 44, 899-902.	4.6	136
4	Highly Sensitive SPR Biosensor Based on Graphene Oxide and Staphylococcal Protein A Co-Modified TFBG for Human IgG Detection. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3350-3357.	4.7	129
5	Optical methods of antibiotic residues detections: A comprehensive review. Sensors and Actuators B: Chemical, 2018, 269, 238-256.	7.8	123
6	High sensitivity refractive index sensor based on splicing points tapered SMF-PCF-SMF structure Mach-Zehnder mode interferometer. Sensors and Actuators B: Chemical, 2016, 225, 213-220.	7.8	117
7	Fiber optic SPR sensor for liquid concentration measurement. Sensors and Actuators B: Chemical, 2014, 192, 229-233.	7.8	116
8	Magnetic Fluid-Filled Optical Fiber Fabryâ€“PÃ©rot Sensor for Magnetic Field Measurement. IEEE Photonics Technology Letters, 2014, 26, 217-219.	2.5	108
9	Review of optical fiber bending/curvature sensor. Measurement: Journal of the International Measurement Confederation, 2018, 130, 161-176.	5.0	100
10	Sensitivity-enhanced temperature sensor based on PDMS-coated long period fiber grating. Optics Communications, 2016, 377, 89-93.	2.1	99
11	Surface plasmon resonance biosensor based on graphene oxide/silver coated polymer cladding silica fiber. Sensors and Actuators B: Chemical, 2018, 275, 332-338.	7.8	95
12	Fiber Optic Fabry-Perot Magnetic Field Sensor With Temperature Compensation Using a Fiber Bragg Grating. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2210-2214.	4.7	94
13	Lab-on-fiber: plasmonic nano-arrays for sensing. Nanoscale, 2020, 12, 7485-7499.	5.6	84
14	Research advances on surface plasmon resonance biosensors. Nanoscale, 2022, 14, 564-591.	5.6	83
15	A Magnetic Field Sensor Based on a Magnetic Fluid-Filled FP-FBG Structure. Sensors, 2016, 16, 620.	3.8	81
16	A D-Shaped Fiber Long-Range Surface Plasmon Resonance Sensor With High Q-Factor and Temperature Self-Compensation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2218-2224.	4.7	81
17	Optimization of cascaded fiber tapered Machâ€“Zehnder interferometer and refractive index sensing technology. Sensors and Actuators B: Chemical, 2016, 222, 159-165.	7.8	69
18	Multiplexed Fiber-Optic Pressure and Temperature Sensor System for Down-Hole Measurement. IEEE Sensors Journal, 2008, 8, 1879-1883.	4.7	68

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19	Measurement of methane concentration with cryptophane E infiltrated photonic crystal microcavity. Sensors and Actuators B: Chemical, 2015, 209, 431-437.	7.8	64
20	Sensitivity enhanced D-type large-core fiber SPR sensor based on Gold nanoparticle/Au film co-modification. Optics Communications, 2019, 450, 287-295.	2.1	64
21	Simultaneous measurement of RI and temperature based on the combination of Sagnac loop mirror and balloon-like interferometer. Sensors and Actuators B: Chemical, 2017, 243, 800-805.	7.8	61
22	Sensitivity-Enhanced Optical Fiber Biosensor Based on Coupling Effect Between SPR and LSPR. IEEE Sensors Journal, 2018, 18, 8303-8310.	4.7	61
23	Review on the Optimization Methods of Slow Light in Photonic Crystal Waveguide. IEEE Nanotechnology Magazine, 2015, 14, 407-426.	2.0	59
24	Enhanced sensitivity of bimetallic optical fiber SPR sensor based on MoS2 nanosheets. Optics and Lasers in Engineering, 2020, 128, 105997.	3.8	59
25	Novel optical devices based on the tunable refractive index of magnetic fluid and their characteristics. Journal of Magnetism and Magnetic Materials, 2011, 323, 2987-2996.	2.3	56
26	Review on Optical Fiber Sensors Based on the Refractive Index Tunability of Ferrofluid. Journal of Lightwave Technology, 2017, 35, 3406-3412.	4.6	54
27	Sensitivity enhanced SPR immunosensor based on graphene oxide and SPA co-modified photonic crystal fiber. Optics and Laser Technology, 2018, 107, 210-215.	4.6	53
28	Research advances of photonic crystal gas and liquid sensors. Sensors and Actuators B: Chemical, 2011, 160, 1288-1297.	7.8	51
29	Highly sensitive temperature sensor based on an isopropanol-filled photonic crystal fiber long period grating. Optical Fiber Technology, 2017, 34, 12-15.	2.7	46
30	Optical fiber curvature sensor based on MMF-SCF-MMF structure. Optical Fiber Technology, 2018, 43, 1-5.	2.7	46
31	Theoretical research of gas sensing method based on photonic crystal cavity and fiber loop ring-down technique. Sensors and Actuators B: Chemical, 2016, 228, 665-672.	7.8	44
32	High Sensitivity Balloon-Like Interferometer for Refractive Index and Temperature Measurement. IEEE Photonics Technology Letters, 2016, 28, 1485-1488.	2.5	42
33	Refractive index sensing characteristics of carbon nanotube-deposited photonic crystal fiber SPR sensor. Optical Fiber Technology, 2018, 43, 137-144.	2.7	42
34	A dual channel self-compensation optical fiber biosensor based on coupling of surface plasmon polariton. Optics and Laser Technology, 2020, 124, 106002.	4.6	42
35	An interferometric optical fiber biosensor with high sensitivity for IgG/anti-IgG immunosensing. Optics Communications, 2018, 426, 388-394.	2.1	40
36	Lossy mode resonance-based fiber optic sensor using layer-by-layer SnO2 thin film and SnO2 nanoparticles. Applied Surface Science, 2019, 492, 374-381.	6.1	38

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37	A Novel Long-Tail Fiber Current Sensor Based on Fiber Loop Ring-Down Spectroscopy and Fabry-Perot Cavity Filled With Magnetic Fluid. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2005-2011.	4.7	35
38	Mini review: Recent advances in long period fiber grating biological and chemical sensors. Instrumentation Science and Technology, 2019, 47, 140-169.	1.8	35
39	Novel optical devices based on the transmission properties of magnetic fluid and their characteristics. Optics and Lasers in Engineering, 2012, 50, 1177-1184.	3.8	34
40	Multi-component gas sensing based on slotted photonic crystal waveguide with liquid infiltration. Sensors and Actuators B: Chemical, 2013, 184, 179-188.	7.8	34
41	Magnetic field sensing based on fiber loop ring-down spectroscopy and etched fiber interacting with magnetic fluid. Optics Communications, 2015, 356, 628-633.	2.1	32
42	Enhancement of RI Sensitivity Through Bending a Tapered-SMF-Based Balloon-Like Interferometer. Journal of Lightwave Technology, 2016, 34, 3293-3299.	4.6	32
43	A High-Birefringence Microfiber Sagnac-Interferometer Biosensor Based on the Vernier Effect. Sensors, 2018, 18, 4114.	3.8	32
44	Triangular silver nanoparticle U-bent fiber sensor based on localized surface plasmon resonance. AIP Advances, 2019, 9, .	1.3	32
45	Refractive index sensitivity enhancement of optical fiber SPR sensor utilizing layer of MWCNT/PtNPs composite. Optical Fiber Technology, 2019, 51, 118-124.	2.7	32
46	Comparative Analyses of Bi-Tapered Fiber Machâ€“Zehnder Interferometer for Refractive Index Sensing. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2483-2489.	4.7	31
47	High sensitivity gas sensing method based on slow light in photonic crystal waveguide. Sensors and Actuators B: Chemical, 2012, 173, 28-31.	7.8	27
48	Wideband Slow Light With Large Group Index and Low Dispersion in Slotted Photonic Crystal Waveguide. Journal of Lightwave Technology, 2012, 30, 2812-2817.	4.6	26
49	Sensing Properties of Long Period Fiber Grating Coated by Silver Film. IEEE Photonics Technology Letters, 2015, 27, 46-49.	2.5	26
50	Fiber Loop Ring-Down Refractive Index Sensor Based on High-<inline-formula> <tex-math notation="TeX">Q </tex-math></inline-formula> Photonic Crystal Cavity. IEEE Sensors Journal, 2014, 14, 1878-1885.	4.7	25
51	A D-type fiber based symmetrical long-range surface plasmon resonance sensor with high quality factor. Measurement: Journal of the International Measurement Confederation, 2019, 140, 395-406.	5.0	25
52	Gas concentration sensor based on fiber loop ring-down spectroscopy. Optics Communications, 2013, 309, 328-332.	2.1	23
53	High sensitivity internal refractive index sensor based on a photonic crystal fiber long period grating. Instrumentation Science and Technology, 2017, 45, 181-189.	1.8	23
54	Grafting of terbium(<scp>iii</scp>) complexes onto layered rare-earth hydroxide nanosheets to fabricate novel optical fiber temperature sensors. Nanoscale, 2019, 11, 2795-2804.	5.6	22

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55	Cu/ITO-Coated Uncladded Fiber-Optic Biosensor Based on Surface Plasmon Resonance. IEEE Photonics Technology Letters, 2019, 31, 1159-1162.	2.5	22
56	Theoretical research on high sensitivity gas sensor due to slow light in slotted photonic crystal waveguide. Sensors and Actuators B: Chemical, 2012, 173, 505-509.	7.8	21
57	A Novel Current Sensor Based on Magnetic Fluid and Fiber Loop Cavity Ring-Down Technology. IEEE Sensors Journal, 2015, 15, 6192-6198.	4.7	21
58	A Novel Fiber-Based Symmetrical Long-Range Surface Plasmon Resonance Biosensor With High Quality Factor and Temperature Self-Reference. IEEE Nanotechnology Magazine, 2019, 18, 1137-1143.	2.0	21
59	Barium titanate film based fiber optic surface plasmon sensor with high sensitivity. Optics and Laser Technology, 2020, 124, 105899.	4.6	20
60	Optimization of Slow Light in Slotted Photonic Crystal Waveguide With Liquid Infiltration. Journal of Lightwave Technology, 2013, 31, 2448-2454.	4.6	19
61	Improved design of slow light interferometer and its application in FBG displacement sensor. Sensors and Actuators A: Physical, 2014, 214, 168-174.	4.1	19
62	SMF Taper Evanescent Field-Based RI Sensor Combined With Fiber Loop Ring Down Technology. IEEE Photonics Technology Letters, 2015, 27, 1802-1805.	2.5	18
63	Optimizing the slow light properties of slotted photonic crystal waveguide and its application in a high-sensitivity gas sensing system. Measurement Science and Technology, 2013, 24, 105109.	2.6	17
64	Simultaneous Measurement of RI and Temperature Based on a Composite Interferometer. IEEE Photonics Technology Letters, 2016, 28, 1839-1842.	2.5	17
65	Highly Sensitive Refractive Index Sensor Based on Four-Hole Grapefruit Microstructured Fiber with Surface Plasmon Resonance. Plasmonics, 2017, 12, 1961-1965.	3.4	17
66	Theoretical Analysis of a Novel Microstructure Fiber Sensor Based on Lossy Mode Resonance. Electronics (Switzerland), 2019, 8, 484.	3.1	17
67	A Label-Free and Anti-Interference Dual-Channel SPR Fiber Optic Sensor With Self-Compensation for Biomarker Detection. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-7.	4.7	17
68	Latest research progress on methods and technologies for tunable photonic crystals. Optics and Laser Technology, 2014, 64, 278-287.	4.6	16
69	MAGNETIC FIELD AND TEMPERATURE MEASUREMENTS WITH A MAGNETIC FLUID-FILLED PHOTONIC CRYSTAL FIBER BRAGG GRATING. Instrumentation Science and Technology, 2013, 41, 463-472.	1.8	15
70	Simulation and analysis of particle trajectory caused by the optical-induced dielectrophoresis force. Microfluidics and Nanofluidics, 2014, 16, 533-540.	2.2	15
71	Fiber optic temperature sensor using the orbital angular momentum and gaussian beams. Instrumentation Science and Technology, 2017, 45, 123-136.	1.8	15
72	Electrically tunable long period gratings temperature sensor based on liquid crystal infiltrated photonic crystal fibers. Sensors and Actuators A: Physical, 2018, 278, 78-84.	4.1	15

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73	A high sensitivity refractive index sensor based on three-level gradient structure S-tapered fiber mode-mode interferometer. Measurement: Journal of the International Measurement Confederation, 2019, 139, 49-60.	5.0	15
74	Flexible NWs sensors in polymer, metal oxide and semiconductor materials for chemical and biological detection. Sensors and Actuators B: Chemical, 2015, 219, 65-82.	7.8	14
75	Slow-Light Optimization of Polymer-Infiltrated Slot Photonic Crystal Waveguide. IEEE Nanotechnology Magazine, 2014, 13, 687-694.	2.0	13
76	Long-period fiber grating sensor induced by electric-arc discharge for dual-parameter measurement. Instrumentation Science and Technology, 2018, 46, 1-11.	1.8	13
77	Simulation of a microstructure fiber pressure sensor based on lossy mode resonance. AIP Advances, 2019, 9, 095005.	1.3	13
78	Theoretical and experimental research of lossy mode resonance-based high-sensitivity optical fiber refractive index sensors. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2069.	2.1	13
79	REVIEW ON ADVANCES OF SENSORS BASED ON FIBER LOOP RING-DOWN SPECTROSCOPY. Instrumentation Science and Technology, 2013, 41, 349-364.	1.8	12
80	Simultaneous measurement of refractive index and temperature based on a long period fiber grating inscribed in a photonic crystal fiber with an electric-arc discharge. Instrumentation Science and Technology, 2019, 47, 185-194.	1.8	12
81	A reflective optical fiber SPR sensor with surface modified hemoglobin for dissolved oxygen detection. AEJ - Alexandria Engineering Journal, 2021, 60, 4115-4120.	6.4	12
82	Preparation and application of polymer nano-fiber doped with nano-particles. Optical Materials, 2015, 40, 49-56.	3.6	11
83	Interrogation technique using a novel spectra bandwidth measurement method with a blazed FBG and a fiber-optic array for an FBG displacement sensor. Sensors and Actuators A: Physical, 2011, 165, 185-188.	4.1	10
84	High Sensitive BOTDR Demodulation Method by Using Slow-Light in Fiber Grating. Journal of Lightwave Technology, 2013, 31, 3345-3351.	4.6	10
85	Theoretical and experimental research on the effect of coupler splitting ratio for fiber loop ringâ€down spectroscopy technology. Microwave and Optical Technology Letters, 2014, 56, 99-103.	1.4	10
86	A Sensitivity Enhanced Microdisplacement Sensing Method Improved Using Slow Light in Fiber Bragg Grating. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 122-130.	4.7	10
87	A high sensitivity refractive index sensor based on photonic crystal fibre Machâ€“Zehnder interferometer. Journal of Modern Optics, 2017, 64, 1639-1647.	1.3	10
88	Research and Application of Ice Thickness and Snow Depth Automatic Monitoring System. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 325-331.	4.7	10
89	Sensitivity-optimized long-period fiber gratings for refractive index and temperature sensing. Instrumentation Science and Technology, 2018, 46, 435-449.	1.8	10
90	Ultrasensitive long-period gratings sensor works near dispersion turning point and mode transition region by optimally designing a photonic crystal fiber. Optics and Laser Technology, 2019, 112, 261-268.	4.6	10

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91	High quality factor D-type fiber surface plasmon resonance (SPR) sensor based on the modification of gold nanoshells. Instrumentation Science and Technology, 2020, 48, 63-74.	1.8	10
92	Research on fiber optic temperature sensor using a novel high-birefringent fiber loop mirror with a reflection probe. Sensors and Actuators A: Physical, 2012, 184, 22-27.	4.1	9
93	Optical sensing characteristics of the photonic crystal fiber filled with magnetic fluid. Optik, 2014, 125, 1829-1832.	2.9	9
94	Simulation and Experimental Measurement of Magnetic Fluid Transmission Characteristics Subjected to the Magnetic Field. IEEE Transactions on Magnetics, 2014, 50, 1-7.	2.1	9
95	Fiber Optic Fabry-Perot Current Sensor Integrated with Magnetic Fluid Using a Fiber Bragg Grating Demodulation. Sensors, 2015, 15, 16632-16641.	3.8	9
96	An asymmetric grating refractive index sensor generating quasi-bound states in the continuum with high figure of merit and temperature self-compensation. Journal Physics D: Applied Physics, 2022, 55, 155103.	2.8	9
97	Plasmonic crescent nanoarray-based surface lattice resonance sensor with a high figure of merit. Nanoscale, 2022, 14, 6144-6151.	5.6	9
98	Simulation on Microstructure and Optical Property of Magnetic Fluid Photonic Crystal. IEEE Transactions on Magnetics, 2014, 50, 1-12.	2.1	8
99	Characterization of displacement sensing based on fiber optic microbend losses. Instrumentation Science and Technology, 2016, 44, 471-482.	1.8	8
100	Fabrication and sensing characterization of thermally induced long period fiber gratings in few mode fibers. Optik, 2018, 158, 71-77.	2.9	8
101	Highly Sensitive U-Shaped Optical Fiber Refractometer Based on Bi₂O₂Se-Assisted Surface Plasmon Resonance. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	8
102	Output power characteristics of C+Lâ€band erbiumâ€doped superfluorescent fiber source. Microwave and Optical Technology Letters, 2011, 53, 2212-2216.	1.4	7
103	Liquid refractive index sensor based on slow light in slotted photonic crystal waveguide. Optik, 2013, 124, 5443-5446.	2.9	7
104	Study on the assembly and separation of biological cell by optically induced dielectrophoretic technology. Microfluidics and Nanofluidics, 2014, 17, 287-294.	2.2	7
105	Sensing self-referenced fiber optic long-range surface plasmon resonance sensor based on electronic coupling between surface plasmon polaritons. Applied Optics, 2019, 58, 6329.	1.8	7
106	High Sensitivity Coreless Fiber Surface Plasmon Resonance Sensor Based on Au Nano Biconical Particles. IEEE Sensors Journal, 2022, 22, 256-263.	4.7	7
107	Gold nanoparticles (AuNPs) and graphene oxide heterostructures with gold film coupling for an enhanced sensitivity surface plasmon resonance (SPR) fiber sensor. Instrumentation Science and Technology, 2022, 50, 530-542.	1.8	7
108	REVIEW ON STRUCTURES AND PRINCIPLES OF GAS CELLS IN THE ABSORPTION SPECTRUMâ€"BASED OPTICAL FIBER GAS SENSOR SYSTEMS. Instrumentation Science and Technology, 2012, 40, 385-401.	1.8	6

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109	RECENT DEVELOPMENTS AND APPLICATIONS OF POLARIZATION-MAINTAINING FIBER LOOP MIRRORS. Instrumentation Science and Technology, 2012, 40, 239-261.	1.8	6
110	SIMULTANEOUS MEASUREMENT OF STRAIN AND TEMPERATURE WITH POLARIZATION MAINTAINING FIBER BRAGG GRATING LOOP MIRROR. Instrumentation Science and Technology, 2014, 42, 298-307.	1.8	6
111	AN OPTICAL FIBER TEMPERATURE SENSOR BASED ON AN ETHANOL FILLED FABRY-PEROT CAVITY. Instrumentation Science and Technology, 2014, 42, 402-411.	1.8	6
112	Research on fiber loop coupled resonator slow light and displacement sensing technology. Sensors and Actuators A: Physical, 2015, 233, 472-479.	4.1	6
113	Ag micro-spheres doped silica fiber used as a miniature refractive index sensor. Sensors and Actuators B: Chemical, 2016, 223, 241-245.	7.8	6
114	Refractive index sensor based on fiber loop ring-down spectroscopy. Instrumentation Science and Technology, 2016, 44, 241-248.	1.8	6
115	Sensitivity-enhanced single-mode fiber-tapered hollow core fiber-single-mode fiber Machâ€“Zehnder interferometer for refractive index measurements. Instrumentation Science and Technology, 2018, 46, 28-42.	1.8	6
116	Lossy mode resonance generated by titanium dioxide nanoarray: a comprehensive theoretical research. Journal of Optics (United Kingdom), 2020, 22, 035004.	2.2	6
117	Experimental measurement of the temperature-birefringence characteristics of birefringent photonic crystal fiber filled with ethanol. Optics Communications, 2013, 309, 6-8.	2.1	5
118	Fiber ring resonator based slow-light and high sensitivity gas sensing technology. Sensors and Actuators B: Chemical, 2015, 214, 197-203.	7.8	5
119	Characterization of Temperature and Strain Using a Tilted Fiber Bragg Grating. Instrumentation Science and Technology, 2015, 43, 244-254.	1.8	5
120	SPR based hollow prism used as refractive index sensor. Optik, 2015, 126, 199-201.	2.9	5
121	Guided-Mode-Leaky-Mode-Guided-Mode Fiber Interferometer and Its High Sensitivity Refractive Index Sensing Technology. Sensors, 2016, 16, 801.	3.8	5
122	A partial discharge detection and localization system for high voltage cable based on long-tailed Sagnac interferometric fiber optic sensor. Microwave and Optical Technology Letters, 2017, 59, 2132-2136.	1.4	5
123	High-sensitivity fiber optic magnetic field sensor based on lossy mode resonance and hollow core-offset structure. Instrumentation Science and Technology, 2021, 49, 416-427.	1.8	5
124	PRINCIPLES OF STRUCTURAL SLOW LIGHT AND ITS APPLICATIONS FOR OPTICAL FIBER SENSORS: A REVIEW. Instrumentation Science and Technology, 2014, 42, 72-94.	1.8	4
125	Theory and method for enhancing sensitivity of multi-gas sensing based on slow light photonic crystal waveguide. Optik, 2014, 125, 3172-3175.	2.9	4
126	Preparation and spectral characteristics of silver nano-sphere doped quartz micro-fiber. Optics and Laser Technology, 2015, 68, 79-83.	4.6	4

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127	High sensitivity fibre surface plasmon resonance sensor based on silver mirror reaction. Transactions of the Institute of Measurement and Control, 2018, 40, 462-468.	1.7	4
128	A voltage measurement system based on fiber loop cavity ring-down technology using polymer dispersed liquid crystal film as sensing device. Transactions of the Institute of Measurement and Control, 2018, 40, 2303-2309.	1.7	4
129	Photonic Crystal Fibers Bragg Grating Filled Magnetic Fluid for Magnetic Fields Sensing. Sensor Letters, 2012, 10, 465-470.	0.4	4
130	Characteristics of novel tail ring-shaped cascaded long period fiber grating sensor. Optical Fiber Technology, 2020, 55, 102134.	2.7	4
131	Novel pressure sensor using a Hiâ€Bi photonic crystal fiber FLM and ITS demodulation method. Microwave and Optical Technology Letters, 2012, 54, 915-917.	1.4	3
132	INVESTIGATION ON STABILITY OF EXTRINSIC FABRYâ€“PEROT INTERFEROMETRIC PRESSURE SENSORS FOR HIGH-TEMPERATURE/HIGH-PRESSURE UNDERGROUND APPLICATIONS. Instrumentation Science and Technology, 2013, 41, 143-153.	1.8	3
133	Hollow fiber taper with a silver micro-sphere used as refractive index sensor. Optics Communications, 2014, 318, 7-10.	2.1	3
134	Dispersion optimization of slow light in slotted photonic crystal waveguide by selective air holes infiltration. Optik, 2014, 125, 1967-1970.	2.9	3
135	Characteristics of slow light from coupled fiber ring resonators. Instrumentation Science and Technology, 2016, 44, 115-126.	1.8	3
136	Optimal Design of an Hourglass in-Fiber Air Fabry-Perot Microcavityâ€”Towards Spectral Characteristics and Strain Sensing Technology. Sensors, 2017, 17, 1282.	3.8	3
137	Polymer microfiber bridging Bi-tapered refractive index sensor based on evanescent field. Optics Communications, 2018, 414, 134-139.	2.1	3
138	Graphene oxide-polymethylmethacrylate polymer waveguide device based on near infrared fingerprint spectrum for refractive index sensing. Transactions of the Institute of Measurement and Control, 2018, 40, 2607-2610.	1.7	3
139	Highly sensitive gold-film surface plasmon resonance (SPR) sensor employing germanium selenide (GeSe) nanosheets. Instrumentation Science and Technology, 2022, 50, 577-588.	1.8	3
140	Novel Fiber Optic Gas Sensor Based on Photonic Crystal Slow-Light Waveguide. Microwave and Optical Technology Letters, 2013, 55, 1796-1800.	1.4	2
141	A NOVEL BRILLOUIN OPTICAL TIME-DOMAIN REFLECTOMETER DEMODULATING METHOD BASED ON A SLOW-LIGHT MACH-ZEHNDER INTERFEROMETER. Instrumentation Science and Technology, 2014, 42, 290-297.	1.8	2
142	DETERMINATION OF CONCENTRATION AND TEMPERATURE BY A FABRY-PEROT CAVITY FORMED BY TWO FIBER BRAGG GRATINGS. Instrumentation Science and Technology, 2014, 42, 412-422.	1.8	2
143	Theoretical Research on Microstructure and Optical Properties of Magnetic Fluid Composed of Rod-Like Shape Nanoparticles. IEEE Transactions on Magnetics, 2014, 50, 1-6.	2.1	2
144	Novel Method of Detecting Movement of the Interference Fringes Using One-Dimensional PSD. Sensors, 2015, 15, 12857-12871.	3.8	2

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145	Recent progress and applications of optical microfiber and nanofiber devices. Instrumentation Science and Technology, 2019, 47, 117-139.	1.8	2
146	Recent progress of dissolved carbon dioxide measurement technologies based on optical methods. Transactions of the Institute of Measurement and Control, 2019, 41, 2374-2385.	1.7	2
147	Discoveries and Explorations of Mode Splitting Phenomenon in Lossy Dielectric Waveguide. Plasmonics, 2020, 15, 481-487.	3.4	2
148	Research on broadband wavelength tunable erbium-doped fiber ring laser. , 2010, , .		1
149	Fiber loop ring-down refractive index sensor based on high-Q photonic crystal cavity. , 2012, , .		1
150	RESEARCH PROGRESS OF THE OPTICAL FIBER SENSORS IN PROCESS TOMOGRAPHY. Instrumentation Science and Technology, 2013, 41, 154-174.	1.8	1
151	IMPROVED SENSITIVITY OF A PHOTONIC CRYSTAL FIBER EVANESCENT-WAVE GAS SENSOR. Instrumentation Science and Technology, 2013, 41, 202-211.	1.8	1
152	NUMERICAL RESEARCH ON GAIN SPECTRUM OF STIMULATED BRILLOUIN SCATTERING IN PHOTONICS CRYSTAL FIBER. Instrumentation Science and Technology, 2013, 41, 175-186.	1.8	1
153	Theoretical Research on Optofluidic Photonic Crystal Waveguide for Broadly Tunable and Ultra-Wideband Slow Light. International Journal of Optomechatronics, 2014, 8, 114-128.	6.6	1
154	All-fiber Mach-Zehnder interferometer using a tapered photonic crystal fiber for refractive index measurement. , 2014, , .		1
155	Waveform shaping of 1550 nm transmission through hollow quartz fiber. Optik, 2014, 125, 6102-6105.	2.9	1
156	Low-cost and high-precision measurement of gas concentration by the way of wavelength modulation spectroscopy. Optik, 2015, 126, 4527-4530.	2.9	1
157	Design and simulation of the angle-ended fiber integrated into optoelectronic tweezers chip. Optik, 2015, 126, 3240-3244.	2.9	1
158	A novel magnetic fluid based magnetic field F-P current sensor. , 2015, , .		1
159	Characterization of whispering gallery mode slow light in microspheres. Instrumentation Science and Technology, 2016, 44, 458-470.	1.8	1
160	Theoretical investigation and optimization of fiber grating based slow light. Optics Communications, 2017, 395, 201-206.	2.1	1
161	Theoretical analysis for the influence of the core radius on long period fiber grating sensors. Instrumentation Science and Technology, 2019, 47, 678-686.	1.8	1
162	Reflective microfiber coupler with the optimal diameter for ultra-sensitive refractive index sensing. Instrumentation Science and Technology, 2021, 49, 182-200.	1.8	1

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163	Enhancing the sensitivity of interferometer sensing by slow light in photonic crystal waveguide. Photonics Letters of Poland, 2012, 4, .	0.4	1
164	High-performance plasmonic lab-on-fiber sensing system constructed by universal polymer assisted transfer technique. Nanotechnology, 2022, 33, 095502.	2.6	1
165	Sensitivity enhancement of fiber surface plasmon resonance (SPR) sensor based upon a gold film-hexagonal boron nitrideâ€"molybdenum disulfide structure. Instrumentation Science and Technology, 2022, 50, 589-603.	1.8	1
166	Enhancing the sensitivity of interferometer by the way of slow light. Proceedings of SPIE, 2010, , .	0.8	0
167	Novel fiber loop mirror pressure sensor using a LPG as demodulation device. , 2011, , .		0
168	Enhancing the sensitivity of liquid refractive index sensor based on slow light photonic crystal waveguide. Proceedings of SPIE, 2011, , .	0.8	0
169	Structure optimization of slotted photonic crystal waveguide for gas sensor. Proceedings of SPIE, 2012, , .	0.8	0
170	Batch production planning method based on the order characteristics for cold mill. , 2014, , .		0
171	Novel Gas Concentration Measurements based on Harmonic Detection and a Broadband Light Source. Instrumentation Science and Technology, 2015, 43, 269-282.	1.8	0
172	Surface plasmon modes in single mode fiber coated with silver films. Optik, 2016, 127, 9269-9274.	2.9	0
173	Characterization of the influence of the fiber diameter and sensing region length upon lossy mode resonance (LMR) fiber sensors. Instrumentation Science and Technology, 2020, 48, 1-21.	1.8	0
174	A glucose concentration and temperature sensor based on long period fiber gratings induced by electric-arc discharge. , 2017, , .		0
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