Yong Zhao

List of Publications by Year
in descending order

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309 papers	9,920 citations	31902 53 h-index	60497 81 g-index
312 all docs	312 docs citations	312 times ranked	5578 citing authors

#	Article	IF	Citations
1	Review of femtosecond laser direct writing fiber-optic structures based on refractive index modification and their applications. Optics and Laser Technology, 2022, 146, 107473.	2.2	28
2	Novel OPD demodulation method based on intercepted spectrum with an integral period. Optics Communications, 2022, 505, 127574.	1.0	1
3	In-situ DNA detection with an interferometric-type optical sensor based on tapered exposed core microstructured optical fiber. Sensors and Actuators B: Chemical, 2022, 351, 130942.	4.0	37
4	Review of femtosecond laser machining technologies for optical fiber microstructures fabrication. Optics and Laser Technology, 2022, 147, 107628.	2.2	26
5	Optical fiber sensor based on helical Fibers: A review. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110400.	2.5	6
6	Femtosecond laser-inscribed fiber-optic sensor for seawater salinity and temperature measurements. Sensors and Actuators B: Chemical, 2022, 353, 131134.	4.0	44
7	Highly sensitive salinity sensor based on Mach-Zehnder interferometer with double-C fiber. Fundamental Research, 2022, 2, 296-302.	1.6	8
8	A plug-and-play optical fiber SPR sensor for simultaneous measurement of glucose and cholesterol concentrations. Biosensors and Bioelectronics, 2022, 198, 113798.	5.3	44
9	Simultaneous Measurement of Seawater Salinity and Temperature With Composite Fiber-Optic Interferometer. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	11
10	Simultaneous Measurement of Temperature and Relative Humidity Using Cascaded C-shaped Fabry-Perot interferometers. Journal of Lightwave Technology, 2022, 40, 1209-1215.	2.7	24
11	Hybrid Fiber-Optic Sensor for Seawater Temperature and Salinity Simultaneous Measurements. Journal of Lightwave Technology, 2022, 40, 880-886.	2.7	32
12	Plug-in label-free optical fiber DNA hybridization sensor based on C-type fiber Vernier effect. Sensors and Actuators B: Chemical, 2022, 354, 131212.	4.0	26
13	Research on temperature sensing characteristics of fiber side-open cavity structure. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110741.	2.5	1
14	Surface Plasmon Resonance Optical Fiber Sensor for Refractive Index Detection Without Temperature Crosstalk. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-6.	2.4	9
15	One dimensional vector curvature sensor based on 2-core fiber offset structure. Measurement: Journal of the International Measurement Confederation, 2022, 193, 110964.	2.5	7
16	A displacement sensor based on balloon-like optical fiber structure. Sensors and Actuators A: Physical, 2022, 338, 113469.	2.0	5
17	Plug-in optical fiber SPR biosensor for lung cancer gene detection with temperature and pH compensation. Sensors and Actuators B: Chemical, 2022, 359, 131596.	4.0	40
18	High-sensitivity salinity sensor based on etched C-type micro-structured fiber sensing structure. Sensors and Actuators A: Physical, 2022, 339, 113518.	2.0	16

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19	Surface plasmon resonance optical fiber sensor for relative humidity detection without temperature crosstalk. Optics and Laser Technology, 2022, 150, 107951.	2.2	18
20	Optical fiber Fabry-Perot silica-microprobe for a gas pressure sensor. Optics and Laser Technology, 2022, 152, 108106.	2.2	9
21	A Portable Optical Fiber Sensing Platform Based on Fluorescent Carbon Dots for Realâ€Time pH Detection. Advanced Materials Interfaces, 2022, 9, .	1.9	10
22	Reflective-Type Multiparameter Sensor Based on a Paired Helical Fiber Gratings and a Trapezoid-Like Microcavity. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	5
23	High Precision Optical Path Difference Compensation Method Based on Three- Parameter Cosine Fitting Method. Journal of Lightwave Technology, 2022, 40, 4911-4918.	2.7	4
24	Temperature Compensated Magnetic Field Sensor Using Magnetic Fluid Filled Exposed Core Microstructure Fiber. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	15
25	Optical fiber SPR biosensor based on gold nanoparticle amplification for DNA hybridization detection. Talanta, 2022, 247, 123599.	2.9	29
26	Multichannel Fiber Optic SPR Sensors: Realization Methods, Application Status, and Future Prospects. Laser and Photonics Reviews, 2022, 16, .	4.4	34
27	Simultaneous measurement of salinity and temperature based on Fabry-Perot interference and anti-resonance effect. Sensors and Actuators B: Chemical, 2022, 369, 132248.	4.0	13
28	Fiber-optic sensors based on Vernier effect. Measurement: Journal of the International Measurement Confederation, 2021, 167, 108451.	2.5	122
29	3D printed castle style Fabry-Perot microcavity on optical fiber tip as a highly sensitive humidity sensor. Sensors and Actuators B: Chemical, 2021, 328, 128981.	4.0	56
30	Characteristics of a new multi-channel sensing device based on C-type photonic crystal fibers. Optics and Laser Technology, 2021, 134, 106622.	2.2	17
31	A novel high accuracy optical path difference compensation method based on phase difference technology. Optics and Lasers in Engineering, 2021, 137, 106367.	2.0	12
32	Electrically tunable optical fiber device based on hollow-core fiber infiltrated with liquid crystal. Sensors and Actuators A: Physical, 2021, 318, 112500.	2.0	11
33	Research on Characteristics of Wedge-Shaped Open-Cavity Machâ€“Zehnder Sensing Structure for Seawater Temperature. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-7.	2.4	7
34	A Fiber Ring Cavity Laser Temperature Sensor Based on Polymer-Coated No-Core Fiber as Tunable Filter. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	5
35	Magnetic Field Measurement Method Based on the Magneto-Volume Effect of Hollow Core Fiber Filled With Magnetic Fluid. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	2.4	5
36	Simultaneous Measurement of Temperature and Pressure Based on Ring-Shaped Sensing Structure With Polymer Coated No-Core Fiber. IEEE Sensors Journal, 2021, 21, 22783-22791.	2.4	7

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37	High-Sensitivity Temperature Sensor Based on Reflective Solc-Like Filter With Cascaded Polarization Maintaining Fibers. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	2.4	6
38	High-Sensitivity and Low-Loss Vector Magnetic Field Sensor Based on the C-Type Optical Fiber. IEEE Transactions on Magnetics, 2021, 57, 1-8.	1.2	4
39	A review of specialty fiber biosensors based on interferometer configuration. Journal of Biophotonics, 2021, 14, e202100068.	1.1	57
40	High-sensitivity special open-cavity Machâ€“Zehnder structure for salinity measurement based on etched double-side hole fiber. Optics Letters, 2021, 46, 2714.	1.7	12
41	Optical Fiber Optofluidic Bioâ€Chemical Sensors: A Review. Laser and Photonics Reviews, 2021, 15, 2000526.	4.4	59
42	Dynamic analysis of microparticle behavior in quad-beam optic-fiber optical tweezers. Journal of Optics (India), 2021, 50, 656.	0.8	1
43	An effective method for size-controlled gold nanoparticles synthesis with nonthermal microplasma. Nanotechnology, 2021, 32, 395603.	1.3	0
44	Optical fiber sensors for glucose concentration measurement: A review. Optics and Laser Technology, 2021, 139, 106981.	2.2	71
45	In Situ Temperature-Compensated DNA Hybridization Detection Using a Dual-Channel Optical Fiber Sensor. Analytical Chemistry, 2021, 93, 10561-10567.	3.2	51
46	Ultra-Broadband OAM Mode Generator Based on a Phase-Modulated Helical Grating Working at a High Radial-Order of Cladding Mode. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.0	10
47	Temperature Sensing Characteristics of an MKR in a Microfiber Taper Based on Mechanisms of Interference and Resonance with Vernier Effect. Optics and Lasers in Engineering, 2021, 143, 106617.	2.0	15
48	Low-cost high-performance temperature sensor based on unsymmetrical U-shaped microfiber. Optical Fiber Technology, 2021, 65, 102597.	1.4	4
49	Low temperature crosstalk optical fiber Fabry-Perot interferometers for highly sensitivity strain measurement based on parallel Vernier effect. Optical Fiber Technology, 2021, 67, 102700.	1.4	5
50	Optical Fiber SPR Sensor With Surface Ion Imprinting for Highly Sensitive and Highly Selective Ni²⁺ Detection. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-6.	2.4	11
51	Reflective Highly Sensitive Fabryâ€“Perot Magnetic Field Sensor Based on Magneto-Volume Effect of Magnetic Fluid. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-6.	2.4	18
52	Lateral offset optical fiber modal interferometer sensor for simultaneous measurement of seawater temperature and salinity. Optical Fiber Technology, 2021, 67, 102737.	1.4	10
53	Reflective Optical Fiber Sensor Based on Dual Fabry Perot Cavities for Simultaneous Measurement of Salinity and Temperature. IEEE Sensors Journal, 2021, 21, 27495-27502.	2.4	16
54	Study on the Temperature and Salinity Sensing Characteristics of Multifunctional Reflective Optical Fiber Probe. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	2.4	10

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55	An optical fiber sensor for the simultaneous measurement of pressure and position based on a pair of fiber Bragg gratings. Optical Fiber Technology, 2021, 67, 102742.	1.4	10
56	All Fiber Machâ€“Zehnder Interferometer Based on Intracavity Micro-Waveguide for a Magnetic Field Sensor. Applied Sciences (Switzerland), 2021, 11, 11569.	1.3	0
57	Magnetic field sensor based on ring WGM resonator infiltrated with magnetic fluid. Journal of Magnetism and Magnetic Materials, 2020, 493, 165701.	1.0	23
58	High sensitivity seawater temperature sensor based on no-core optical fiber. Optical Fiber Technology, 2020, 54, 102115.	1.4	24
59	In-line microfiber MZI operating at two sides of the dispersion turning point for ultrasensitive RI and temperature measurement. Sensors and Actuators A: Physical, 2020, 301, 111754.	2.0	25
60	Large measurement range and high sensitivity temperature sensor with FBG cascaded Mach-Zehnder interferometer. Optics and Laser Technology, 2020, 125, 106034.	2.2	27
61	Ultra-sensitive seawater temperature sensor using an FBG-cascaded microfiber MZI operating at dispersion turning point. Optics and Laser Technology, 2020, 132, 106458.	2.2	27
62	Applications of fiber-optic biochemical sensor in microfluidic chips: A review. Biosensors and Bioelectronics, 2020, 166, 112447.	5.3	116
63	All-fiber all-optical quantitative polymerase chain reaction (qPCR). Sensors and Actuators B: Chemical, 2020, 323, 128681.	4.0	27
64	Sagnac Interferometer Temperature Sensor Based on Microstructured Optical Fiber Filled with Glycerin. Sensors and Actuators A: Physical, 2020, 314, 112245.	2.0	36
65	High-sensitivity salinity measurement sensor based on no-core fiber. Sensors and Actuators A: Physical, 2020, 305, 111947.	2.0	31
66	Optical fiber quantum biosensor based on surface plasmon polaritons for the label-free measurement of protein. Sensors and Actuators B: Chemical, 2020, 316, 128097.	4.0	17
67	Review of no-core optical fiber sensor and applications. Sensors and Actuators A: Physical, 2020, 313, 112160.	2.0	47
68	Ultra-high sensitivity SPR fiber sensor based on multilayer nanoparticle and Au film coupling enhancement. Measurement: Journal of the International Measurement Confederation, 2020, 164, 108083.	2.5	51
69	RI sensing system with high sensitivity and large measurement range using a microfiber MZI and a photonic crystal fiber MZI. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107603.	2.5	21
70	Whispering Gallery Mode Optical Microresonators: Structures and Sensing Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900825.	0.8	27
71	Simultaneous measurement of temperature and relative humidity by compact Mach-Zehnder interferometer and Fabry-Perot interferometer. Measurement: Journal of the International Measurement Confederation, 2020, 155, 107499.	2.5	33
72	Beating the shot-noise limit with optical fiber quantum sensors for salinity measurement. Sensors and Actuators B: Chemical, 2020, 320, 128353.	4.0	20

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73	Multifunctional optical fiber sensor for simultaneous measurement of temperature and salinity. Optics Letters, 2020, 45, 6631.	1.7	37
74	Simultaneous measurement of salinity, temperature and pressure in seawater using optical fiber SPR sensor. Measurement: Journal of the International Measurement Confederation, 2019, 148, 106792.	2.5	111
75	Current status of optical fiber biosensor based on surface plasmon resonance. Biosensors and Bioelectronics, 2019, 142, 111505.	5.3	322
76	Temperature insensitive air-cavity Fabry-Perot gas pressure sensor based on core-offset fusion of hollow-core fibers. Sensors and Actuators A: Physical, 2019, 298, 111589.	2.0	24
77	Cascaded FPI/LPFG interferometer for high-precision simultaneous measurement of strain and temperature. Optical Fiber Technology, 2019, 53, 102025.	1.4	18
78	Reflex optical fiber probe for simultaneous determination of seawater salinity and temperature by surface plasmon resonance. Instrumentation Science and Technology, 2019, 47, 374-388.	0.9	25
79	Review of optical fiber Machâ€“Zehnder interferometers with micro-cavity fabricated by femtosecond laser and sensing applications. Optics and Lasers in Engineering, 2019, 117, 7-20.	2.0	75
80	High sensitive applied load measurement using optical fiber tapered-loop probe with SPR effect. Optics and Laser Technology, 2019, 114, 95-102.	2.2	15
81	Simultaneous measurement of RH and temperature based on FBG and balloon-like sensing structure with inner embedded up-tapered MZI. Measurement: Journal of the International Measurement Confederation, 2019, 146, 1-8.	2.5	24
82	Humidity sensor based on unsymmetrical U-shaped twisted microfiber coupler with wide detection range. Sensors and Actuators B: Chemical, 2019, 290, 406-413.	4.0	25
83	Novel Fiber Grating for Sensing Applications. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800820.	0.8	15
84	Highly-sensitive phase-interrogated RI sensor based on twin-core fiber with inherent noise suppression. Optics and Lasers in Engineering, 2019, 120, 66-70.	2.0	6
85	A real-time fiber mode demodulation method enhanced by convolution neural network. Optical Fiber Technology, 2019, 50, 139-144.	1.4	16
86	Sandwich-like composites of double-layer Co3O4 and reduced graphene oxide and their sensing properties to volatile organic compounds. Journal of Alloys and Compounds, 2019, 793, 24-30.	2.8	87
87	Multimode interferometer based on no-core fiber with GQDs-PVA composite coating for relative humidity sensing. Optical Fiber Technology, 2019, 48, 242-247.	1.4	9
88	In-fiber Surface Plasmon Resonance Temperature Sensor Based on PDMS Infiltrated Hollow Core Fiber. , 2019, , .		0
89	Broadband generation of the first-order OAM modes in two-mode fiber by offset splicing and fiber rotating technology. Optics and Laser Technology, 2019, 112, 436-441.	2.2	12
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.	2.2	10

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91	Method for Generating a Discrete Fracture Network from Microseismic Data and its Application in Analyzing the Permeability of Rock Masses: a Case Study. Rock Mechanics and Rock Engineering, 2019, 52, 3133-3155.	2.6	30
92	Relative humidity sensor based on hollow core fiber filled with GQDs-PVA. Sensors and Actuators B: Chemical, 2019, 284, 96-102.	4.0	165
93	Theoretical analysis of seawater depth and temperature measurement with C-type micro-structured fiber grating. Optical Fiber Technology, 2019, 47, 133-140.	1.4	10
94	Relative humidity sensor based on Vernier effect with GQDs-PVA un-fully filled in hollow core fiber. Sensors and Actuators A: Physical, 2019, 285, 329-337.	2.0	49
95	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.	0.9	12
96	U-shaped microfiber coupler coated with polyvinyl alcohol film for highly sensitive humidity detection. Sensors and Actuators A: Physical, 2019, 285, 628-636.	2.0	18
97	A High-Sensitivity Magnetic Field Sensor with a Simple Structure. , 2019, , .		0
98	One-Step Synthesis of Au/SnO2/RGO Nanocomposites and Their VOC Sensing Properties. IEEE Nanotechnology Magazine, 2018, 17, 212-219.	1.1	144
99	Humidity sensor based on unsymmetrical U-shaped microfiber with a polyvinyl alcohol overlay. Sensors and Actuators B: Chemical, 2018, 263, 312-318.	4.0	55
100	Optical fiber low-frequency vibration sensor based on Butterfly-Shape Mach-Zehnder Interferometer. Sensors and Actuators A: Physical, 2018, 273, 107-112.	2.0	26
101	Optical fiber axial contact force sensor based on bubble-expanded Fabryâ€“PÃ©rot interferometer. Sensors and Actuators A: Physical, 2018, 272, 318-324.	2.0	14
102	Simultaneous measurement of humidity and temperature using a polyvinyl alcohol tapered fiber bragg grating. Instrumentation Science and Technology, 2018, 46, 463-474.	0.9	15
103	Study of the Rock Mass Failure Process and Mechanisms During the Transformation from Open-Pit to Underground Mining Based on Microseismic Monitoring. Rock Mechanics and Rock Engineering, 2018, 51, 1473-1493.	2.6	39
104	Smart hydrogel-based optical fiber SPR sensor for pH measurements. Sensors and Actuators B: Chemical, 2018, 261, 226-232.	4.0	141
105	Determination of refractive index by a U-shaped multimode fiber sensor. Instrumentation Science and Technology, 2018, 46, 490-501.	0.9	11
106	Multi-modes interferometer for magnetic field and temperature measurement using Photonic crystal fiber filled with magnetic fluid. Optical Fiber Technology, 2018, 41, 1-6.	1.4	48
107	Review of salinity measurement technology based on optical fiber sensor. Sensors and Actuators B: Chemical, 2018, 260, 86-105.	4.0	248
108	Sensitivity-optimized long-period fiber gratings for refractive index and temperature sensing. Instrumentation Science and Technology, 2018, 46, 435-449.	0.9	10

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109	Novel near-infrared spectrum analysis tool: Synergy adaptive moving window model based on immune clone algorithm. Analytica Chimica Acta, 2018, 1000, 109-122.	2.6	7
110	Small in-fiber Fabry-Perot low-frequency acoustic pressure sensor with PDMS diaphragm embedded in hollow-core fiber. Sensors and Actuators A: Physical, 2018, 270, 162-169.	2.0	117
111	High-sensitivity Sagnac-interferometer biosensor based on exposed core microstructured optical fiber. Sensors and Actuators B: Chemical, 2018, 269, 103-109.	4.0	88
112	High sensitivity temperature sensor based on fiber air-microbubble Fabry-Perot interferometer with PDMS-filled hollow-core fiber. Sensors and Actuators A: Physical, 2018, 275, 60-66.	2.0	82
113	Long-period fiber grating sensor induced by electric-arc discharge for dual-parameter measurement. Instrumentation Science and Technology, 2018, 46, 1-11.	0.9	13
114	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.	1.1	4
115	Graphene-based optical fiber ammonia gas sensor. Instrumentation Science and Technology, 2018, 46, 12-27.	0.9	15
116	High sensitivity all-fiber Sagnac interferometer temperature sensor using a selective ethanol-filled photonic crystal fiber. Instrumentation Science and Technology, 2018, 46, 253-264.	0.9	22
117	Applications and developments of on-chip biochemical sensors based on optofluidic photonic crystal cavities. Lab on A Chip, 2018, 18, 57-74.	3.1	96
118	Theoretical analysis of high-sensitive seawater temperature and salinity measurement based on C-type micro-structured fiber. Sensors and Actuators B: Chemical, 2018, 258, 822-828.	4.0	151
119	Tapered Hollowâ€Core Fiber Airâ€Microbubble Fabryâ€“Perot Interferometer for High Sensitivity Strain Measurement. Advanced Materials Interfaces, 2018, 5, 1800886.	1.9	17
120	Highly-sensitive optical fiber temperature sensors based on PDMS/silica hybrid fiber structures. Sensors and Actuators A: Physical, 2018, 284, 22-27.	2.0	51
121	Relative humidity sensor based on small up-tapered photonic crystal fiber Machâ€“Zehnder interferometer. Sensors and Actuators A: Physical, 2018, 280, 24-30.	2.0	33
122	Coal properties on-line analysis with synergy adaptive moving window support vector regression based on immune clone algorithm. , 2018, , .		0
123	An optical fiber sensor for simultaneous measurement of flow rate and temperature in the pipeline. Optical Fiber Technology, 2018, 45, 313-318.	1.4	33
124	Electrically tunable long period gratings temperature sensor based on liquid crystal infiltrated photonic crystal fibers. Sensors and Actuators A: Physical, 2018, 278, 78-84.	2.0	15
125	Research Advances in Microfiber Humidity Sensors. Small, 2018, 14, e1800524.	5.2	89
126	Optical fiber sensing technology based on Mach-Zehnder interferometer and orbital angular momentum beam. Applied Physics Letters, 2018, 112, .	1.5	27

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127	Optical bio-chemical sensors based on whispering gallery mode resonators. Nanoscale, 2018, 10, 13832-13856.	2.8	109
128	A Mach-Zehnder interferometer-based High Sensitivity Temperature sensor for human body monitoring. Optical Fiber Technology, 2018, 45, 93-97.	1.4	34
129	Novel integrated optical fiber sensor for temperature, pressure and flow measurement. Sensors and Actuators A: Physical, 2018, 280, 68-75.	2.0	31
130	High-sensitive Mach-Zehnder interferometers based on no-core optical fiber with large lateral offset. Sensors and Actuators A: Physical, 2018, 281, 9-14.	2.0	13
131	A practical FBG pressure sensor based on diaphragm-cantilever. Sensors and Actuators A: Physical, 2018, 279, 101-106.	2.0	35
132	Magnetic field sensor based on the magnetic-fluid-clad combined with singlemodeâ€“multimodeâ€“singlemode fiber and large core-offset splicing structure. Measurement Science and Technology, 2018, 29, 035204.	1.4	11
133	High-sensitivity temperature sensor based on single-mode fiber for temperature-measurement application in the ocean. Optical Engineering, 2018, 57, 1.	0.5	4
134	Dynamic simulation of particles in optoelectronic tweezers based on the monte carlo method. Instrumentation Science and Technology, 2017, 45, 1-11.	0.9	1
135	Review on Optical Fiber Sensors Based on the Refractive Index Tunability of Ferrofluid. Journal of Lightwave Technology, 2017, 35, 3406-3412.	2.7	54
136	Electric Field Sensor Based on Photonic Crystal Cavity With Liquid Crystal Infiltration. Journal of Lightwave Technology, 2017, 35, 3440-3446.	2.7	33
137	A Small Probe-Type Flowmeter Based on the Differential Fiber Bragg Grating Measurement Method. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 502-507.	2.4	33
138	A Sensitivity Enhanced Microdisplacement Sensing Method Improved Using Slow Light in Fiber Bragg Grating. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 122-130.	2.4	10
139	In-fiber modal interferometer for simultaneous measurement of curvature and temperature based on hollow core fiber. Optics and Laser Technology, 2017, 92, 138-141.	2.2	39
140	Highly sensitive curvature sensor based on an asymmetrical Machâ€“Zehnder interferometer. Instrumentation Science and Technology, 2017, 45, 605-617.	0.9	2
141	A fiber ring cavity laser sensor for refractive index and temperature measurement with core-offset modal interferometer as tunable filter. Sensors and Actuators B: Chemical, 2017, 242, 673-678.	4.0	48
142	Comparative Analyses of Bi-Tapered Fiber Machâ€“Zehnder Interferometer for Refractive Index Sensing. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2483-2489.	2.4	31
143	Hydrogen sensor based on high-birefringence fiber loop mirror with sol-gel Pd/WO3 coating. Sensors and Actuators B: Chemical, 2017, 248, 71-76.	4.0	32
144	High-Sensitive Hydrogen Sensor Based on Photonic Crystal Fiber Model Interferometer. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2198-2203.	2.4	37

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145	Measurement of Magnetic Field and Temperature Based on Fiber-Optic Composite Interferometer. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1906-1911.	2.4	44
146	Numerical model of carbon nanotubes based on lateral-field optoelectronic tweezers. Molecular Simulation, 2017, 43, 638-643.	0.9	1
147	Highly sensitive temperature sensor based on an isopropanol-filled photonic crystal fiber long period grating. Optical Fiber Technology, 2017, 34, 12-15.	1.4	46
148	Research and Application of Ice Thickness and Snow Depth Automatic Monitoring System. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 325-331.	2.4	10
149	Highly Sensitive Refractive Index Sensor Based on Four-Hole Grapefruit Microstructured Fiber with Surface Plasmon Resonance. Plasmonics, 2017, 12, 1961-1965.	1.8	17
150	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.	4.0	61
151	Spectrum online-tunable Machâ€“Zehnder interferometer based on step-like tapers and its refractive index sensing characteristics. Optics Communications, 2017, 403, 143-149.	1.0	9
152	Optimization of photonic crystal fiber for optical hydrogen sensing. , 2017, , .		0
153	A Ring-Core Optical Fiber Sensor With Asymmetric LPG for Highly Sensitive Temperature Measurement. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3378-3386.	2.4	32
154	A novel photonic crystal fiber Machâ€“Zehnder interferometer for enhancing refractive index measurement sensitivity. Optics Communications, 2017, 402, 368-374.	1.0	29
155	Fluorescence Temperature Sensor Based on GQDs Solution Encapsulated in Hollow Core Fiber. IEEE Photonics Technology Letters, 2017, 29, 1544-1547.	1.3	21
156	Temperature-Insensitive Optical Fiber Curvature Sensor Based on SMF-MMF-TCSMF-MMF-SMF Structure. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 141-147.	2.4	64
157	In-fiber rectangular air fabry-perot strain sensor based on high-precision fiber cutting platform. Optics Communications, 2017, 384, 107-110.	1.0	61
158	High sensitivity internal refractive index sensor based on a photonic crystal fiber long period grating. Instrumentation Science and Technology, 2017, 45, 181-189.	0.9	23
159	Theoretical Research on the Thermal-Lens Effect of Magnetic Fluid by Using Brownian Dynamics Method. IEEE Transactions on Magnetics, 2017, 53, 1-7.	1.2	3
160	Fiber optic temperature sensor using the orbital angular momentum and gaussian beams. Instrumentation Science and Technology, 2017, 45, 123-136.	0.9	15
161	Artificial Structural Color Pixels: A Review. Materials, 2017, 10, 944.	1.3	61
162	Tunable Orbital Angular Momentum Mode Conversion in Asymmetric Long Period Fiber Gratings. IEEE Photonics Technology Letters, 2017, 29, 2103-2106.	1.3	5

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163	Small Curvature Sensor Based on Butterfly-Shaped Machâ€“Zehnder Interferometer. IEEE Transactions on Electron Devices, 2017, 64, 4644-4649.	1.6	42
164	High Sensitivity Balloon-Like Interferometer for Refractive Index and Temperature Measurement. IEEE Photonics Technology Letters, 2016, 28, 1485-1488.	1.3	42
165	Simultaneous Measurement of RI and Temperature Based on a Composite Interferometer. IEEE Photonics Technology Letters, 2016, 28, 1839-1842.	1.3	17
166	Photonic crystal fiber modal interferometer with Pd/WO3 coating for real-time monitoring of dissolved hydrogen concentration in transformer oil. Review of Scientific Instruments, 2016, 87, 125002.	0.6	15
167	Research on the optical fiber gas flowmeters based on intermodal interference. Optics and Lasers in Engineering, 2016, 82, 122-126.	2.0	20
168	Magnetic Field Measurement Using Surface Plasmon Resonance Sensing Technology Combined With Magnetic Fluid Photonic Crystal. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 170-176.	2.4	22
169	Determination of refractive index by fiber-loop cavity ring-down spectroscopy and a long-period fiber grating. Instrumentation Science and Technology, 2016, 44, 547-557.	0.9	3
170	Measurement of RI and Temperature Using Composite Interferometer With Hollow-Core Fiber and Photonic Crystal Fiber. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2631-2636.	2.4	35
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