

Chi Chiu Chan

List of Publications by Year in descending order

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217
papers

5,640
citations

61984

43
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110387

64
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all docs

218
docs citations

218
times ranked

3608
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan based fiber-optic Fabry-Pérot humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 167-172.	7.8	219
2	Magneto-optical fiber sensor based on magnetic fluid. <i>Optics Letters</i> , 2012, 37, 398.	3.3	162
3	Magneto-optical fiber sensor based on bandgap effect of photonic crystal fiber infiltrated with magnetic fluid. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	137
4	Temperature-Insensitive Magnetic Field Sensor Based on Nanoparticle Magnetic Fluid and Photonic Crystal Fiber. <i>IEEE Photonics Journal</i> , 2012, 4, 491-498.	2.0	133
5	Polyvinyl alcohol coated photonic crystal optical fiber sensor for humidity measurement. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 563-569.	7.8	130
6	High relative humidity measurements using gelatin coated long-period grating sensors. <i>Sensors and Actuators B: Chemical</i> , 2005, 110, 335-341.	7.8	113
7	A Temperature-Insensitive Twist Sensor by Using Low-Birefringence Photonic-Crystal-Fiber-Based Sagnac Interferometer. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 920-922.	2.5	107
8	Enhancement of the sensitivity of magneto-optical fiber sensor by magnifying the birefringence of magnetic fluid film with Løyt-Sagnac interferometer. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 19-23.	7.8	97
9	Magnetic field sensor using tilted fiber grating interacting with magnetic fluid. <i>Optics Express</i> , 2013, 21, 17863.	3.4	93
10	High performance chitosan diaphragm-based fiber-optic acoustic sensor. <i>Sensors and Actuators A: Physical</i> , 2010, 163, 42-47.	4.1	92
11	Sensitivity-enhanced Michelson interferometric humidity sensor with waist-enlarged fiber bitaper. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 180-184.	7.8	92
12	Temperature-independent bending sensor with tilted fiber Bragg grating interacting with multimode fiber. <i>Optics Communications</i> , 2009, 282, 3905-3907.	2.1	87
13	Simultaneous measurement of curvature and temperature based on PCF-based interferometer and fiber Bragg grating. <i>Optics Communications</i> , 2011, 284, 5669-5672.	2.1	86
14	Humidity Sensor With a PVA-Coated Photonic Crystal Fiber Interferometer. <i>IEEE Sensors Journal</i> , 2013, 13, 2214-2216.	4.7	85
15	Multiwavelength Raman fiber laser with a continuously-tunable spacing. <i>Optics Express</i> , 2006, 14, 3288.	3.4	81
16	Optical fiber magnetic field sensor based on magnetic fluid and microfiber mode interferometer. <i>Optics Communications</i> , 2015, 336, 5-8.	2.1	80
17	Magneto-optic fiber Sagnac modulator based on magnetic fluids. <i>Optics Letters</i> , 2011, 36, 1425.	3.3	77
18	Photonic Crystal Fiber Strain Sensor Based on Modified Mach-Zehnder Interferometer. <i>IEEE Photonics Journal</i> , 2012, 4, 114-118.	2.0	77

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19	Chitosan/PAA based fiber-optic interferometric sensor for heavy metal ions detection. Sensors and Actuators B: Chemical, 2016, 233, 31-38.	7.8	74
20	Temperature-insensitive tilt sensor with strain-chirped fiber Bragg gratings. IEEE Photonics Technology Letters, 2005, 17, 2394-2396.	2.5	73
21	Curvature measurement by using low-birefringence photonic crystal fiber based Sagnac loop. Optics Communications, 2010, 283, 3142-3144.	2.1	73
22	Polyvinyl alcohol-coated hybrid fiber grating for relative humidity sensing. Journal of Biomedical Optics, 2011, 16, 077001.	2.6	73
23	High-efficiency 1040 and 1078 nm laser emission of a Yb:Y ₂ O ₃ ceramic laser with 976 nm diode pumping. Optics Letters, 2007, 32, 247.	3.3	64
24	Fiber Cavity Ring-Down Refractive Index Sensor. IEEE Photonics Technology Letters, 2008, 20, 1351-1353.	2.5	64
25	Humidity Sensor Based on a Multimode-Fiber Taper Coated With Polyvinyl Alcohol Interacting With a Fiber Bragg Grating. IEEE Sensors Journal, 2012, 12, 2205-2208.	4.7	62
26	Strain monitoring in composite-strengthened concrete structures using optical fibre sensors. Composites Part B: Engineering, 2001, 32, 33-45.	12.0	61
27	A largely tunable CFBG-based dispersion compensator with fixed center wavelength. Optics Express, 2003, 11, 2970.	3.4	61
28	A novel wavelength detection technique for fiber Bragg grating sensors. IEEE Photonics Technology Letters, 2002, 14, 678-680.	2.5	60
29	Simultaneous measurement of relative humidity and temperature with PCF-MZI cascaded by fiber Bragg grating. Optics Communications, 2013, 303, 42-45.	2.1	59
30	Photonic bandgap fiber for refractive index measurement. Sensors and Actuators B: Chemical, 2007, 128, 46-50.	7.8	57
31	Carbon-nanotube / Polyvinyl alcohol coated thin core fiber sensor for humidity measurement. Sensors and Actuators B: Chemical, 2018, 257, 800-806.	7.8	56
32	Temperature-insensitive FBC tilt sensor with a large measurement range. Optics Communications, 2010, 283, 968-970.	2.1	55
33	Strain Sensor Realized by Using Low-Birefringence Photonic-Crystal-Fiber-Based Sagnac Loop. IEEE Photonics Technology Letters, 2010, 22, 1238-1240.	2.5	55
34	Photonic crystal fiber interferometric pH sensor based on polyvinyl alcohol/polyacrylic acid hydrogel coating. Applied Optics, 2015, 54, 2647.	1.8	55
35	Partially liquid-filled hollow-core photonic crystal fiber polarizer. Optics Letters, 2011, 36, 3296.	3.3	54
36	Improving the performance of a FBC sensor network using a genetic algorithm. Sensors and Actuators A: Physical, 2003, 107, 57-61.	4.1	53

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37	Soliton polarization dynamics in fiber lasers passively mode-locked by the nonlinear polarization rotation technique. <i>Physical Review E</i> , 2006, 74, 046605.	2.1	53
38	Wavelength-selective all-fiber filter based on a single long-period fiber grating and a misaligned splicing point. <i>Optics Communications</i> , 2006, 258, 159-163.	2.1	52
39	Photonic Crystal Fiber Surface Plasmon Resonance Biosensor Based on Protein G Immobilization. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 4602107-4602107.	2.9	51
40	A chitosan-coated humidity sensor based on Mach-Zehnder interferometer with waist-enlarged fusion bitapers. <i>Optical Fiber Technology</i> , 2017, 33, 56-59.	2.7	50
41	Miniature pH Optical Fiber Sensor Based on Fabry-Pérot Interferometer. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 331-335.	2.9	49
42	Temperature-insensitive accelerometer based on a strain-chirped FBG. <i>Sensors and Actuators A: Physical</i> , 2010, 157, 15-18.	4.1	45
43	Poly(vinyl alcohol) hydrogel based fiber interferometer sensor for heavy metal cations. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 185-193.	7.8	45
44	Performance analysis of a time-division-multiplexed fiber Bragg grating sensor array by use of a tunable laser source. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2000, 6, 741-749.	2.9	44
45	Cavity ringdown refractive index sensor using photonic crystal fiber interferometer. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 108-113.	7.8	44
46	Highly sensitive fiber loop ringdown strain sensor using photonic crystal fiber interferometer. <i>Applied Optics</i> , 2011, 50, 3087.	2.1	43
47	PDMS-coated fiber volatile organic compounds sensors. <i>Applied Optics</i> , 2016, 55, 3543.	2.1	42
48	Enhancement of measurement accuracy in fiber Bragg grating sensors by using digital signal processing. <i>Optics and Laser Technology</i> , 1999, 31, 299-307.	4.6	40
49	Fiber Optic Fabry-Pérot Optofluidic Sensor With a Focused Ion Beam Ablated Microslot For Fast Refractive Index and Magnetic Field Measurement. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 322-326.	2.9	40
50	Temperature Sensing Based on Ethanol-Filled Photonic Crystal Fiber Modal Interferometer. <i>IEEE Sensors Journal</i> , 2012, 12, 2593-2597.	4.7	39
51	Chitosan-Coated Polarization Maintaining Fiber-Based Sagnac Interferometer for Relative Humidity Measurement. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1597-1604.	2.9	38
52	Wavelength detection in FBG sensor network using tree search DMS-PSO. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 1305-1307.	2.5	37
53	Label-free fiber-optic interferometric immunosensors based on waist-enlarged fusion taper. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 176-184.	7.8	37
54	Enhancement of wavelength detection accuracy in fiber Bragg grating sensors by using a spectrum correlation technique. <i>Optics Communications</i> , 2002, 212, 29-33.	2.1	35

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55	Miniature refractometer based on Mach-Zehnder interferometer with waist-enlarged fusion bitaper. Optics Communications, 2013, 292, 84-86.	2.1	35
56	Temperature-Insensitive 2-D Pendulum Clinometer Using Two Fiber Bragg Gratings. IEEE Photonics Technology Letters, 2010, 22, 863-865.	2.5	34
57	Highly sensitive miniature photonic crystal fiber refractive index sensor based on mode field excitation. Optics Letters, 2011, 36, 1731.	3.3	34
58	Fabry-Perot fiber-optic immunosensor based on suspended layer-by-layer (chitosan/polystyrene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	7.8	34
59	Photonic crystal fiber refractive index sensor based on a fiber Bragg grating demodulation. Sensors and Actuators B: Chemical, 2012, 166-167, 761-765.	7.8	33
60	Temperature-insensitive 2D tilt sensor with three fiber Bragg gratings. Measurement Science and Technology, 2010, 21, 025203.	2.6	32
61	Cavity ring-down long period grating pressure sensor. Sensors and Actuators A: Physical, 2010, 158, 207-211.	4.1	31
62	Mach-Zehnder Photonic Crystal Interferometer in Cavity Ring-Down Loop for Curvature Measurement. IEEE Photonics Technology Letters, 2011, 23, 795-797.	2.5	31
63	Application of an artificial neural network for simultaneous measurement of bending curvature and temperature with long period fiber gratings. Sensors and Actuators A: Physical, 2007, 137, 262-267.	4.1	30
64	Chitosan-nickel film based interferometric optical fiber sensor for label-free detection of histidine tagged proteins. Biosensors and Bioelectronics, 2018, 99, 578-585.	10.1	30
65	Chitosan/Poly (Acrylic Acid) Based Fiber-Optic Surface Plasmon Resonance Sensor for Cu ²⁺ Ions Detection. Journal of Lightwave Technology, 2019, 37, 2246-2252.	4.6	30
66	Bandwidth-tunable filter and spacing-tunable comb filter with chirped-fiber Bragg gratings. Optics Communications, 2006, 259, 645-648.	2.1	29
67	Temperature-independent vibration sensor with a fiber Bragg grating. Microwave and Optical Technology Letters, 2010, 52, 2282-2285.	1.4	29
68	Miniature pH optical fiber sensor based on waist-enlarged bitaper and mode excitation. Sensors and Actuators B: Chemical, 2014, 191, 579-585.	7.8	29
69	Cantilever optical vibrometer using fiber Bragg grating. Optical Engineering, 2003, 42, 3179.	1.0	28
70	Improving the measurement accuracy of CRD fibre amplified loop gas sensing system by using a digital LMS adaptive filter. Measurement Science and Technology, 2006, 17, 2349-2354.	2.6	28
71	Fabrication of a temperature-insensitive transverse mechanical load sensor by using a photonic crystal fiber-based Sagnac loop. Measurement Science and Technology, 2011, 22, 025204.	2.6	28
72	High Extinction Ratio Magneto-Optical Fiber Modulator Based on Nanoparticle Magnetic Fluids. IEEE Photonics Journal, 2012, 4, 1140-1146.	2.0	28

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73	Graphene-deposited photonic crystal fibers for continuous refractive index sensing applications. Optics Express, 2015, 23, 31286.	3.4	28
74	Magnetic Field Sensing With Reflectivity Ratio Measurement of Fiber Bragg Grating. IEEE Sensors Journal, 2015, 15, 1372-1376.	4.7	28
75	A fiber Bragg grating sensor for static and dynamic measurands. Sensors and Actuators A: Physical, 2002, 96, 21-24.	4.1	27
76	Simultaneous strain and temperature measurement based on a photonic crystal fiber modal-interference interacting with a long period fiber grating. Optics Communications, 2012, 285, 4874-4877.	2.1	27
77	Effects of active fiber length on the tunability of erbium-doped fiber ring lasers. Optics Express, 2003, 11, 3622.	3.4	26
78	Power-Referenced Optical Fiber Refractometer Based on a Hybrid Fiber Grating. IEEE Photonics Technology Letters, 2011, 23, 1706-1708.	2.5	26
79	Layer-By-Layer (Chitosan/Polystyrene Sulfonate) Membrane-Based Fabry-Perot Interferometric Fiber Optic Biosensor. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1457-1464.	2.9	26
80	Fiber Optic Refractometer Based on Cladding Excitation of Localized Surface Plasmon Resonance. IEEE Photonics Technology Letters, 2013, 25, 556-559.	2.5	26
81	Improving the wavelength detection accuracy of FBG sensors using an ADALINE network. IEEE Photonics Technology Letters, 2003, 15, 1126-1128.	2.5	25
82	Mechanically induced long-period fiber grating in side-hole single-mode fiber for temperature and refractive sensing. Optics Communications, 2010, 283, 1303-1306.	2.1	25
83	Miniature refractometer based on modal interference in a hollow-core photonic crystal fiber with collapsed splicing. Journal of Biomedical Optics, 2011, 16, 017004.	2.6	25
84	Intrinsic crosstalk analysis of a serial TDM FGB sensor array by using a tunable laser. Microwave and Optical Technology Letters, 2003, 36, 2-4.	1.4	24
85	Cavity ring-down long-period fibre grating strain sensor. Measurement Science and Technology, 2007, 18, 3135-3138.	2.6	24
86	Continuous refractive index sensing based on carbon-nanotube-deposited photonic crystal fibers. Sensors and Actuators B: Chemical, 2014, 202, 1097-1102.	7.8	24
87	Temperature sensor based on a pressure-induced birefringent single-mode fiber loop mirror. Measurement Science and Technology, 2010, 21, 065204.	2.6	23
88	Intensity-modulated relative humidity sensing with polyvinyl alcohol coating and optical fiber gratings. Applied Optics, 2015, 54, 2620.	1.8	23
89	Heavy metal ions probe with relative measurement of fiber Bragg grating. Sensors and Actuators B: Chemical, 2016, 230, 353-358.	7.8	23
90	Effect of liquid crystal alignment on bandgap formation in photonic bandgap fibers. Optics Letters, 2007, 32, 1989.	3.3	21

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91	Zeolite thin film-coated spherical end-face fiber sensors for detection of trace organic vapors. <i>Optics Communications</i> , 2016, 364, 55-59.	2.1	21
92	Miniature Single-Mode Fiber Refractive Index Interferometer Sensor Based on High Order Cladding Mode and Core-Offset. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 359-361.	2.5	20
93	Recent progress of white light interferometric fiberoptic strain sensing techniques. <i>Review of Scientific Instruments</i> , 2000, 71, 4648.	1.3	19
94	Plasmonic enhanced fluorescence spectroscopy using side-polished microstructured optical fiber. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 196-201.	7.8	19
95	Miniature temperature sensor with germania-core optical fiber. <i>Optics Express</i> , 2015, 23, 17687.	3.4	19
96	Investigation of unwanted interferometric signals in a fiber Bragg grating sensor using a tunable laser and a first derivative interrogation technique. <i>Optics Communications</i> , 2000, 173, 203-210.	2.1	18
97	A bandwidth-tunable FBG filter with fixed center wavelength. <i>Microwave and Optical Technology Letters</i> , 2004, 41, 22-24.	1.4	18
98	Tunable WDM filter with 0.8-nm channel spacing using a pair of long-period fiber gratings. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 795-797.	2.5	18
99	Embedded long-period fiber grating bending sensor. <i>Sensors and Actuators A: Physical</i> , 2006, 125, 267-272.	4.1	18
100	Enhancing the measurement accuracy of a cavity-enhanced fiber chemical sensor by an adaptive filter. <i>Measurement Science and Technology</i> , 2008, 19, 115203.	2.6	18
101	Ion-Imprinted Chitosan-Based Interferometric Sensor for Selective Detection of Heavy Metal Ions. <i>Journal of Lightwave Technology</i> , 2019, 37, 2778-2783.	4.6	18
102	Simultaneous measurement of temperature and strain: an artificial neural network approach. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 854-856.	2.5	17
103	An Enhanced SOA-Based Double-Loop Optical Buffer for Storage of Variable-Length Packet. <i>Journal of Lightwave Technology</i> , 2008, 26, 425-431.	4.6	17
104	Compact refractometer based on extrinsic-phase-shift fiber Bragg grating. <i>Sensors and Actuators A: Physical</i> , 2011, 168, 46-50.	4.1	17
105	Temperature-independent refractometer based on a tapered photonic crystal fiber interferometer. <i>Optics Communications</i> , 2013, 291, 238-241.	2.1	17
106	Humidity sensing using plastic optical fibers. <i>Microwave and Optical Technology Letters</i> , 2004, 43, 387-390.	1.4	16
107	Experimental demonstration of a fiber-optic gas sensor network addressed by FMCW. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 1546-1548.	2.5	15
108	Improving measurement accuracy of fiber Bragg grating sensor using digital matched filter. <i>Sensors and Actuators A: Physical</i> , 2003, 104, 19-24.	4.1	15

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109	Improving the Performance of FBG Sensors in a WDM Network Using a Simulated Annealing Technique. IEEE Photonics Technology Letters, 2004, 16, 227-229.	2.5	15
110	Diode end-pumped passively Q-switched Nd:YAG ceramic laser with Cr ⁴⁺ :YAG saturable absorber. Laser Physics, 2008, 18, 1508-1511.	1.2	15
111	Double-pass Mach-Zehnder fiber interferometer pH sensor. Journal of Biomedical Optics, 2014, 19, 047002.	2.6	15
112	Enhanced Sensitivity Refractometer Based on Spherical Mach-Zehnder Interferometer With Side-Polished Structure. IEEE Sensors Journal, 2021, 21, 1548-1553.	4.7	15
113	Broad-band EDFA gain flattening by using an embedded long-period fiber grating filter. Optics Communications, 2007, 271, 377-381.	2.1	14
114	Simultaneous measurement of force and temperature based on a half corroded FBG. Microwave and Optical Technology Letters, 2010, 52, 2020-2023.	1.4	14
115	Characterization of crosstalk of a TDM FBG sensor array using a laser source. Optics and Laser Technology, 2001, 33, 299-304.	4.6	13
116	High-resolution photonic bandgap fiber-based biochemical sensor. Journal of Biomedical Optics, 2007, 12, 044022.	2.6	13
117	Analysis of photonic crystal fibers infiltrated with nematic liquid crystal. Optics Communications, 2007, 278, 66-70.	2.1	13
118	Miniature In Vivo Chitosan Diaphragm-Based Fiber-Optic Ultrasound Sensor. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1042-1049.	2.9	13
119	Application of an artificial neural network for simultaneous measurement of temperature and strain by using a photonic crystal fiber long-period grating. Measurement Science and Technology, 2007, 18, 2943-2948.	2.6	12
120	Temperature Sensor Based on Modal Interference in Hollow-Core Photonic Bandgap Fiber With Collapse Splicing. IEEE Sensors Journal, 2012, 12, 1421-1424.	4.7	12
121	Evaluating On-Water Kayak Paddling Performance Using Optical Fiber Technology. IEEE Sensors Journal, 2019, 19, 11918-11925.	4.7	12
122	Polypyrrole-Coated Polarization Maintaining Fiber-Based Vernier Effect for Isopropanol Measurement. Journal of Lightwave Technology, 2019, 37, 2768-2772.	4.6	12
123	Comparative studies of three adaptive controllers. ISA Transactions, 1999, 38, 43-53.	5.7	11
124	Fiber Bragg grating current sensor using linear magnetic actuator. Optical Engineering, 2002, 41, 557.	1.0	11
125	FSR-tunable Fabry-Pérot filter with superimposed chirped fiber Bragg gratings. IEEE Photonics Technology Letters, 2006, 18, 184-186.	2.5	11
126	Analysis of hollow-core photonic bandgap fibers for evanescent wave biosensing. Journal of Biomedical Optics, 2008, 13, 054048.	2.6	11

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127	Enhancement of the measurement range of FBG sensors in a WDM network using a minimum variance shift technique coupled with amplitude-wavelength dual coding. Optics Communications, 2003, 215, 289-294.	2.1	10
128	A novel magnetic field fiber sensor by using magnetic fluid in Sagnac loop. Proceedings of SPIE, 2011, , .	0.8	10
129	Temperature-independent accelerometer using a fiber Bragg grating incorporating a biconical taper. Optical Fiber Technology, 2013, 19, 410-413.	2.7	10
130	Laser self-induced tunable birefringence of magnetic fluid. Applied Physics Letters, 2013, 102, .	3.3	10
131	Fiber Bragg Grating Sensors for Clinical Measurement of the First Metatarsophalangeal Joint Quasi-Stiffness. IEEE Sensors Journal, 2020, 20, 1322-1328.	4.7	10
132	Tilted Long Period Gratings Pressure Sensing in Solid Core Photonic Crystal Fibers. IEEE Sensors Journal, 2012, 12, 954-957.	4.7	9
133	A compact opto-fluidic platform for chemical sensing with photonic crystal fibers. Sensors and Actuators A: Physical, 2013, 191, 22-26.	4.1	9
134	An Ultrahigh Sensitivity Point Temperature Sensor Based on Fiber Loop Mirror. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 274-277.	2.9	9
135	Noise Limit in Heterodyne Interferometer Demodulator for FBG-Based Sensors. Journal of Lightwave Technology, 2004, 22, 2287-2295.	4.6	8
136	High relative humidity sensing using gelatin-coated long period grating. , 2005, 5855, 375.		8
137	Computerized automation of wavelet based denoising method to reduce speckle noise in OCT images. , 2008, , .		8
138	Photonic Crystal Fiber Loop Mirror-Based Chemical Vapor Sensor. Journal of Lightwave Technology, 2014, 32, 4416-4421.	4.6	8
139	Enhancement of temperature measurement by using photonic bandgap effect. Sensors and Actuators A: Physical, 2010, 157, 276-279.	4.1	7
140	Reflection-Based Thin-Core Modal Interferometry Optical Fiber Functionalized With PAA-PBA/PVA for Glucose Detection Under Physiological pH. Journal of Lightwave Technology, 2019, 37, 2773-2777.	4.6	7
141	Sampled long-period fiber grating filters with narrow stop bands. Microwave and Optical Technology Letters, 2009, 51, 2401-2403.	1.4	6
142	Test-retest reliability of a clinical foot assessment device for measuring first metatarsophalangeal joint quasi-stiffness. Foot, 2020, 45, 101742.	1.1	6
143	Enhancement of the measurement range of FBG sensors in a WDM network: a self-organizing network solution. Sensors and Actuators A: Physical, 2005, 118, 233-237.	4.1	5
144	Temperature-tuning optical parametric oscillator based on periodically poled $\text{MgO}:\text{LiNbO}_3$ Optical Engineering, 2007, 46, 014205.	1.0	5

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145	In-fiber fluorospectroscopy based on a spectral decomposition method. Optics Express, 2014, 22, 23640.	3.4	5
146	In-fiber photo-immobilization of a bioactive surface. Journal of Biomedical Optics, 2014, 19, 120502.	2.6	5
147	Magneto-mechanical tuning of fiber Bragg grating filter. Microwave and Optical Technology Letters, 2002, 33, 73-74.	1.4	4
148	Experimental investigation of a 4-FBG TDM sensor array with a tunable laser source. Microwave and Optical Technology Letters, 2002, 33, 435-437.	1.4	4
149	Simultaneous measurement of curvature and temperature for LPG bending sensor. , 2004, , .		4
150	Refractive index measurement by using multimode interference. , 2011, , .		4
151	Relative humidity sensor based on optical fiber gratings and polyvinyl alcohol. , 2014, , .		4
152	A fiber-optic pH sensor based on polyelectrolyte multilayers embedded with gold nanoparticles. Measurement Science and Technology, 2014, 25, 075102.	2.6	4
153	Heavy Metal Cation Probe with Signal to Noise Ratio Measurement of Fiber Bragg Grating. Procedia Engineering, 2016, 140, 67-71.	1.2	4
154	Kayaking paddle blade compression load distribution sensing system based on optical fiber with a polydimethylsiloxane membrane. Applied Optics, 2018, 57, 1387.	1.8	4
155	A high-resolution tunable fiber Bragg grating filter. Microwave and Optical Technology Letters, 2004, 42, 89-92.	1.4	3
156	A Differential Evolution Approach to PET Image De-noising. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4173-6.	0.5	3
157	Experimental analysis of spectral characteristics of antiresonant guiding photonic crystal fibers. Optics Letters, 2008, 33, 809.	3.3	3
158	Optical fiber humidity sensor based on Michelson interferometric structures. , 2013, , .		3
159	Miniature pH sensor based on optical fiber Fabry-Perot interferometer. , 2014, , .		3
160	Two-Phase Photobleaching Dequenching in Dye-Loaded Liposomes. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 213-220.	2.9	3
161	Sensitivity dependence of fiber loop mirror on the length of high birefringence fiber. Sensors and Actuators A: Physical, 2016, 247, 393-396.	4.1	3
162	Time division multiplexed strain sensing system by the use of dual-wavelength fiber Bragg gratings. Sensors and Actuators A: Physical, 2002, 100, 175-179.	4.1	2

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163	Humidity sensing using plastic optical fibers. , 2004, 5590, 77.		2
164	In-line fiber Mach-Zehnder interferometer combining with fiber Bragg grating for simultaneous curvature and temperature measurement. Proceedings of SPIE, 2011, , .	0.8	2
165	Photonic crystal fiber integrated microfluidic chip for highly sensitive real-time chemical sensing. Proceedings of SPIE, 2011, , .	0.8	2
166	Fiber bragg grating-based load sensor without temperature dependence. Microwave and Optical Technology Letters, 2012, 54, 930-933.	1.4	2
167	Fluorespectroscopy of Dye-Loaded Liposomes in Photonic Crystal Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 21-26.	2.9	2
168	Localized surface plasmon resonance refractometer based on no-core fiber. , 2017, , .		2
169	Detection of Ni ²⁺ with optical fiber Mach-Zehnder interferometer coated with chitosan/MWCNT/PAA. , 2017, , .		2
170	VALIDITY OF A FBG-BASED SMART SOCK SYSTEM FOR MEASURING TOE GRIP FUNCTION IN HUMAN FOOT. Journal of Mechanics in Medicine and Biology, 2020, 20, 2050015.	0.7	2
171	Optical Fiber Copper (II) ion Sensor Based on Long Period Fiber Grating. , 2020, , .		2
172	Simultaneous interrogation of multiple FBG sensors for dynamic measurands. , 2002, , .		1
173	Bending measurement using embedded long-period fiber gratings. , 2004, , .		1
174	High-resolution tunable fiber Bragg grating filter. , 2004, , .		1
175	Refractive index measurement using a photonic crystal fiber. Optical Engineering, 2007, 46, 014402.	1.0	1
176	An evolutionary algorithm to automate noise reduction in MR images. , 2008, , .		1
177	Identification and measurement of gas mixture by using the support vector regression technique. Measurement Science and Technology, 2009, 20, 115601.	2.6	1
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