

Yuliya Semenova

List of Publications by Year in descending order

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270
papers

5,092
citations

109321

35
h-index

128289

60
g-index

274
all docs

274
docs citations

274
times ranked

3391
citing authors

#	ARTICLE	IF	CITATIONS
1	High sensitivity SMS fiber structure based refractometer – analysis and experiment. Optics Express, 2011, 19, 7937.	3.4	387
2	Overview of Fiber Optic Sensor Technologies for Strain/Temperature Sensing Applications in Composite Materials. Sensors, 2016, 16, 99.	3.8	255
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-mode–multimode–single-mode fiber structure. Optics Letters, 2011, 36, 2197.	3.3	125
5	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
6	Relative Humidity Sensor Based on an Agarose-Infiltrated Photonic Crystal Fiber Interferometer. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1553-1559.	2.9	83
7	Investigation of single-mode–multimode–single-mode and single-mode–tapered-multimode–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
8	Humidity sensor based on a single-mode hetero-core fiber structure. Optics Letters, 2011, 36, 1752.	3.3	79
9	Singlemode-Multimode-Singlemode Fiber Structures for Sensing Applications – A Review. IEEE Sensors Journal, 2021, 21, 12734-12751.	4.7	78
10	Agarose coated spherical micro resonator for humidity measurements. Optics Express, 2016, 24, 21216.	3.4	75
11	Magnetic-field sensor based on whispering-gallery modes in a photonic crystal fiber infiltrated with magnetic fluid. Optics Letters, 2015, 40, 4983.	3.3	74
12	Humidity sensor based on photonic crystal fibre interferometer. Electronics Letters, 2010, 46, 1341.	1.0	71
13	Fiber-tip high-temperature sensor based on multimode interference. Optics Letters, 2013, 38, 4617.	3.3	70
14	High sensitivity refractive index sensor based on a tapered small core single-mode fiber structure. Optics Letters, 2015, 40, 4166.	3.3	70
15	Effect of coating thickness on the sensitivity of a humidity sensor based on an Agarose coated photonic crystal fiber interferometer. Optics Express, 2013, 21, 6313.	3.4	69
16	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
17	Liquid crystal infiltrated photonic crystal fibers for electric field intensity measurements. Applied Optics, 2011, 50, 2628.	2.1	62
18	Macro-bending single-mode fiber-based refractometer. Applied Optics, 2009, 48, 6044.	2.1	59

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19	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
20	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Â°C) Measurement. Journal of Lightwave Technology, 2018, 36, 1583-1590.	4.6	59
21	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
22	High Sensitivity Fiber Refractometer Based on an Optical Microfiber Coupler. IEEE Photonics Technology Letters, 2013, 25, 228-230.	2.5	56
23	A fiber bend based humidity sensor with a wide linear range and fast measurement speed. Sensors and Actuators A: Physical, 2012, 174, 47-51.	4.1	53
24	A miniature optical breathing sensor. Biomedical Optics Express, 2012, 3, 3325.	2.9	49
25	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
26	Packaged chalcogenide microsphere resonator with high Q-factor. Applied Physics Letters, 2013, 102, .	3.3	47
27	Germanium microsphere high-Q resonator. Optics Letters, 2012, 37, 728.	3.3	45
28	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. Sensors and Actuators B: Chemical, 2018, 271, 1-8.	7.8	45
29	High resolution temperature insensitive interrogation technique for FBG sensors. Optics and Laser Technology, 2010, 42, 653-656.	4.6	42
30	Packaged, high-Q, microsphere-resonator-based addâ€“drop filter. Optics Letters, 2014, 39, 5208.	3.3	40
31	Sub-micrometer resolution liquid level sensor based on a hollow core fiber structure. Optics Letters, 2019, 44, 2125.	3.3	40
32	Bent SMS fibre structure for temperature measurement. Electronics Letters, 2010, 46, 1129.	1.0	39
33	Fiber Optic Hybrid Device for Simultaneous Measurement of Humidity and Temperature. IEEE Sensors Journal, 2013, 13, 1632-1636.	4.7	37
34	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. Journal of Lightwave Technology, 2018, 36, 3672-3677.	4.6	37
35	Experimental Study and Analysis of a Polymer Fiber Bragg Grating Embedded in a Composite Material. Journal of Lightwave Technology, 2014, 32, 1726-1733.	4.6	36
36	Directional Electric Field Sensitivity of a Liquid Crystal Infiltrated Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2011, 23, 408-410.	2.5	35

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37	A fiber-optic voltage sensor based on macrobending structure. Optics and Laser Technology, 2011, 43, 922-925.	4.6	35
38	Improving the sensitivity of a humidity sensor based on fiber bend coated with a hygroscopic coating. Optics and Laser Technology, 2011, 43, 1301-1305.	4.6	35
39	All-fiber polarimetric electric field sensing using liquid crystal infiltrated photonic crystal fibers. Sensors and Actuators A: Physical, 2011, 167, 54-59.	4.1	35
40	A comprehensive analysis verified by experiment of a refractometer based on an SMF28 "small-core singlemode fiber (SCSMF)" SMF28 fiber structure. Journal of Optics (United Kingdom), 2011, 13, 125401.	2.2	35
41	Enhanced Refractometer Based on Periodically Tapered Small Core Singlemode Fiber. IEEE Sensors Journal, 2013, 13, 180-185.	4.7	35
42	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
43	SMS fibre structure for temperature measurement using a simple intensity-based interrogation system. Electronics Letters, 2009, 45, 1069.	1.0	33
44	Optical microfiber coupler based humidity sensor with a polyethylene oxide coating. Microwave and Optical Technology Letters, 2015, 57, 457-460.	1.4	33
45	High Sensitivity Ammonia Gas Sensor Based on a Silica-Gel-Coated Microfiber Coupler. Journal of Lightwave Technology, 2017, 35, 2864-2870.	4.6	33
46	Optical Microfibre Based Photonic Components and Their Applications in Label-Free Biosensing. Biosensors, 2015, 5, 471-499.	4.7	32
47	High sensitivity sol-gel silica coated optical fiber sensor for detection of ammonia in water. Optics Express, 2016, 24, 24179.	3.4	32
48	Optical spectral sweep comb liquid flow rate sensor. Optics Letters, 2018, 43, 751.	3.3	31
49	Measurements of milli-Newton surface tension forces with tilted fiber Bragg gratings. Optics Letters, 2018, 43, 255.	3.3	31
50	Influence of lamination process on optical fiber sensors embedded in composite material. Measurement: Journal of the International Measurement Confederation, 2012, 45, 2275-2280.	5.0	30
51	Hybrid Fiber Optic Sensor System for Measuring the Strain, Temperature, and Thermal Strain of Composite Materials. IEEE Sensors Journal, 2014, 14, 2571-2578.	4.7	30
52	A Compact Sagnac Loop Based on a Microfiber Coupler for Twist Sensing. IEEE Photonics Technology Letters, 2015, 27, 2579-2582.	2.5	30
53	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. Biosensors and Bioelectronics, 2019, 145, 111563.	10.1	29
54	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

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55	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
56	A simple optical fiber interferometer based breathing sensor. Measurement Science and Technology, 2017, 28, 035105.	2.6	28
57	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
58	Low-temperature sensitivity periodically tapered photonic crystal-fiber-based refractometer. Optics Letters, 2013, 38, 3795.	3.3	26
59	Magnetic field sensing using whispering-gallery modes in a cylindrical microresonator infiltrated with ferroelectric liquid crystal. Optics Express, 2017, 25, 12195.	3.4	26
60	Thermo-optic tuning of a packaged whispering gallery mode resonator filled with nematic liquid crystal. Optics Express, 2018, 26, 8431.	3.4	26
61	Whispering gallery mode micro resonators for multi-parameter sensing applications. Optics Express, 2018, 26, 31829.	3.4	26
62	All-fibre temperature sensor based on macro-bend singlemode fibre loop. Electronics Letters, 2008, 44, 1123.	1.0	25
63	Investigation of Humidity and Temperature Response of a Silica Gel Coated Microfiber Coupler. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	25
64	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
65	High temperature performance of an optical microfiber coupler and its potential use as a sensor. Electronics Letters, 2012, 48, 283.	1.0	24
66	Photonic Crystal Fiber Interferometer for Dew Detection. Journal of Lightwave Technology, 2012, 30, 1150-1155.	4.6	24
67	Experimental demonstration of a high-sensitivity humidity sensor based on an Agarose-coated transmission-type photonic crystal fiber interferometer. Applied Optics, 2013, 52, 3884.	1.8	23
68	Low Loss, High Extinction Ration and Ultra-Compact Plasmonic Polarization Beam Splitter. IEEE Photonics Technology Letters, 2014, 26, 660-663.	2.5	23
69	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
70	Electronic tunability of ferroelectric liquid crystal infiltrated photonic crystal fibre. Electronics Letters, 2009, 45, 617.	1.0	21
71	Misalignment Limits for a Singlemodeâ€“Multimodeâ€“Singlemode Fiber-Based Edge Filter. Journal of Lightwave Technology, 2009, 27, 2482-2488.	4.6	21
72	BOTDR integrated with FBC sensor array for distributed strain measurement. Electronics Letters, 2010, 46, 66.	1.0	21

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73	Tunable RF ϵ band optoelectronic oscillator and optoelectronic computer ϵ added design model for its simulation. Microwave and Optical Technology Letters, 2011, 53, 2474-2477.	1.4	21
74	Analysis of Vibration Measurements in a Composite Material Using an Embedded PM-PCF Polarimetric Sensor and an FBG Sensor. IEEE Sensors Journal, 2012, 12, 1365-1371.	4.7	21
75	Hybrid nanowedge plasmonic waveguide for low loss propagation with ultra-deep-subwavelength mode confinement. Optics Letters, 2014, 39, 973.	3.3	21
76	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
77	Ratiometric wavelength monitor based on singlemode ϵ multimode ϵ singlemode fiber structure. Microwave and Optical Technology Letters, 2008, 50, 3036-3039.	1.4	20
78	Temperature dependence of macrobending loss in all-fiber bend loss edge filter. Optics Communications, 2008, 281, 4312-4316.	2.1	20
79	Experimental demonstration of an all ϵ fiber variable optical attenuator based on liquid crystal infiltrated photonic crystal fiber. Microwave and Optical Technology Letters, 2011, 53, 539-543.	1.4	20
80	A Photonic Crystal Fiber and Fiber Bragg Grating-Based Hybrid Fiber-Optic Sensor System. IEEE Sensors Journal, 2012, 12, 39-43.	4.7	20
81	Microfiber coupler based label-free immunosensor. Optics Express, 2014, 22, 8150.	3.4	20
82	Composite materials with embedded photonic crystal fiber interferometric sensors. Sensors and Actuators A: Physical, 2012, 182, 57-67.	4.1	19
83	Measurement of thermal elongation induced strain of a composite material using a polarization maintaining photonic crystal fiber sensor. Sensors and Actuators A: Physical, 2013, 190, 44-51.	4.1	19
84	A macrobending singlemode fiber refractive index sensor for low refractive index liquids. Photonics Letters of Poland, 2010, 2, .	0.4	19
85	Temperature dependence of a macrobending edge filter based on a high-bend loss fiber. Optics Letters, 2008, 33, 2470.	3.3	18
86	A liquid crystal coated tapered photonic crystal fiber interferometer. Journal of Optics (United Kingdom), 2010, 11, 011001.	2.2	18
87	Mid-infrared Raman sources using spontaneous Raman scattering in germanium core optical fibers. Applied Physics Letters, 2013, 102, .	3.3	18
88	Photonic crystal fiber half-taper probe based refractometer. Optics Letters, 2014, 39, 2076.	3.3	18
89	Liquid surface tension and refractive index sensor based on a tilted fiber Bragg grating. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1282.	2.1	18
90	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

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91	High-sensitivity temperature sensor based on anti-resonance in high-index polymer-coated optical fiber interferometers. <i>Optics Letters</i> , 2020, 45, 5385.	3.3	18
92	A novel highly sensitive optical fiber microphone based on single modeâ€“multimodeâ€“single mode structure. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 442-445.	1.4	17
93	Enhancing the Visibility of Vernier Effect in a Tri-Microfiber Coupler Fiber Loop Interferometer for Ultrasensitive Refractive Index and Temperature Sensing. <i>Journal of Lightwave Technology</i> , 2021, 39, 1523-1529.	4.6	17
94	Temperature-compensated magnetic field sensing with a dual-ring structure consisting of microfiber coupler-Sagnac loop and fiber Bragg grating-assisted resonant cavity. <i>Applied Optics</i> , 2019, 58, 2334.	1.8	17
95	The influence of thermal expansion of a composite material on embedded polarimetric sensors. <i>Smart Materials and Structures</i> , 2011, 20, 125002.	3.5	16
96	Sensitivity enhancement for a multimode fiber sensor with an axisymmetric metal grating layer. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2014, 12, 69-74.	2.0	16
97	High Sensitivity Refractometer Based on Reflective Smf-Small Diameter No Core Fiber Structure. <i>Sensors</i> , 2017, 17, 1415.	3.8	16
98	Microfluidic flow direction and rate vector sensor based on a partially gold-coated TFBG. <i>Optics Letters</i> , 2020, 45, 2776.	3.3	16
99	Design of Integrated Polarization Beam Splitter With Liquid Crystal. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006, 12, 1349-1353.	2.9	15
100	Modeling liquid-crystal devices with the three-dimensional full-vector beam propagation method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006, 23, 2014.	1.5	15
101	Macrobending fibre loss filter, ratiometric wavelength measurement and application. <i>Measurement Science and Technology</i> , 2007, 18, 3082-3088.	2.6	15
102	Generalized design process for fiber-bend-loss-based edge filters for a wavelength measurement system. <i>Applied Optics</i> , 2009, 48, 3055.	2.1	15
103	Simple design technique for a triangular FBG filter based on a linearly chirped grating. <i>Optics Communications</i> , 2010, 283, 985-992.	2.1	15
104	Sensing of carbon monoxide with porous Al ₂ O ₃ intercalated with Fe ₃ O ₄ nanoparticles-doped liquid crystal. <i>Sensors and Actuators A: Physical</i> , 2015, 235, 165-170.	4.1	15
105	Analysis and applications of nanocavity structures used as tunable filters and sensors. <i>Infrared Physics and Technology</i> , 2012, 55, 389-394.	2.9	14
106	Anti-resonance, inhibited coupling and mode transition in depressed core fibers. <i>Optics Express</i> , 2020, 28, 16526.	3.4	14
107	A voltage sensor based on a singlemodeâ€“multimodeâ€“singlemode fiber structure. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 1887-1890.	1.4	13
108	Experimental analysis and demonstration of a low cost fibre optic temperature sensor system for engineering applications. <i>Sensors and Actuators A: Physical</i> , 2010, 163, 88-95.	4.1	13

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109	A Fiber Bragg Grating-Based All-Fiber Sensing System for Telerobotic Cutting Applications. IEEE Sensors Journal, 2010, 10, 1913-1920.	4.7	13
110	Lead silicate glass microsphere resonators with absorption-limited Q. Applied Physics Letters, 2011, 98, .	3.3	13
111	Fabrication and Characterization of a Magnetized Metal-Encapsulated FBG Sensor for Structural Health Monitoring. IEEE Sensors Journal, 2018, 18, 8739-8746.	4.7	13
112	White Light Trapping Using Supercontinuum Generation Spectra in a Lead-Silicate Fibre Taper. Journal of Lightwave Technology, 2014, 32, 40-45.	4.6	12
113	Discrete Self-Imaging in Small-Core Optical Fiber Interferometers. Journal of Lightwave Technology, 2019, 37, 1873-1884.	4.6	12
114	Packaged inline cascaded optical micro-resonators for multi- parameter sensing. Optical Fiber Technology, 2019, 50, 50-54.	2.7	12
115	Temperature performance of a macrobending single-mode fiber-based refractometer. Applied Optics, 2010, 49, 1744.	2.1	11
116	The distributed dynamic combined-stresses measurement of ship thruster inner-skin using fiber Bragg grating sensor rosette array. Optik, 2011, 122, 1779-1781.	2.9	11
117	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
118	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
119	High-Q Bismuth-Silicate Nonlinear Glass Microsphere Resonators. IEEE Photonics Journal, 2012, 4, 1013-1020.	2.0	10
120	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
121	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
122	Thermo-optic tuning of a nematic liquid crystal-filled capillary whispering gallery mode resonator. Optics Express, 2021, 29, 23569.	3.4	10
123	Strain-, curvature- and twist-independent temperature sensor based on a small air core hollow core fiber structure. Optics Express, 2021, 29, 26353.	3.4	10
124	A Low Polarization Sensitivity All-Fiber Wavelength Measurement System. IEEE Photonics Technology Letters, 2008, 20, 1464-1466.	2.5	9
125	Effect of polarisation-dependent loss on the performance accuracy of a ratiometric wavelength measurement system. IET Optoelectronics, 2008, 2, 63-68.	3.3	9
126	Temperature-Induced Instabilities in Macro-Bend Fiber Based Wavelength Measurement Systems. Journal of Lightwave Technology, 2009, 27, 1355-1361.	4.6	9

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127	Fibre heterostructure for simultaneous strain and temperature measurement. <i>Electronics Letters</i> , 2011, 47, 713.	1.0	9
128	Optical microfiber-loaded surface plasmonic TE-pass polarizer. <i>Optics and Laser Technology</i> , 2016, 78, 101-105.	4.6	9
129	Strain-induced spectral tuning of the whispering gallery modes in a cylindrical micro-resonator formed by a polymer optical fiber. <i>Applied Optics</i> , 2017, 56, 1339.	2.1	9
130	A hybrid fiber optic sensing system for simultaneous strain and temperature measurement and its applications. <i>Photonics Letters of Poland</i> , 2010, 2, .	0.4	9
131	Optimal design of birefringent filter with a flat-top passband. <i>Journal of Optics</i> , 2006, 8, 652-656.	1.5	8
132	A bend loss-based singlemode fiber microdisplacement sensor. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 2231-2235.	1.4	8
133	Polarization dependence of an edge filter based on singlemode-multimode-singlemode fibre. <i>Optics and Laser Technology</i> , 2010, 42, 1044-1048.	4.6	8
134	Evanescent field coupling between two parallel close contact SMS fiber structures. <i>Optics Express</i> , 2012, 20, 3098.	3.4	8
135	Hybrid plasmonic biosensor for simultaneous measurement of both thickness and refractive index. <i>Infrared Physics and Technology</i> , 2013, 60, 134-136.	2.9	8
136	Novel Dielectric-Loaded Plasmonic Waveguide for Tight-Confined Hybrid Plasmon Mode. <i>Plasmonics</i> , 2013, 8, 1259-1263.	3.4	8
137	Optical fiber Fresnel reflection sensor for direct detection of the solid-liquid phase change in n-octadecane. <i>Measurement Science and Technology</i> , 2018, 29, 125107.	2.6	8
138	Negative Curvature Hollow Core Fiber Based All-Fiber Interferometer and Its Sensing Applications to Temperature and Strain. <i>Sensors</i> , 2020, 20, 4763.	3.8	8
139	Influence of fiber manufacturing tolerances on the spectral response of a bend loss based all-fiber edge filter. <i>Applied Optics</i> , 2008, 47, 2921.	2.1	7
140	Analysis of temperature dependence for a ratiometric wavelength measurement system using SMS fiber structure based edge filters. <i>Optics Communications</i> , 2010, 283, 1291-1295.	2.1	7
141	Enhanced refractive index sensor using a combination of a long period fiber grating and a small core singlemode fiber structure. <i>Measurement Science and Technology</i> , 2013, 24, 094002.	2.6	7
142	A comprehensive experimental study of whispering gallery modes in a cylindrical microresonator excited by a tilted fiber taper. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 1495-1504.	1.4	7
143	SNS optical fiber sensor for direct detection of phase transitions in C18H38 n-alkane material. <i>Experimental Thermal and Fluid Science</i> , 2019, 109, 109854.	2.7	7
144	Strain independent twist sensor based on uneven platinum coated hollow core fiber structure. <i>Optics Express</i> , 2019, 27, 19726.	3.4	7

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145	<title>Liquid crystal material for light modulators on the base of cholesteric-nematic phase transition</title>. , 1996, 2651, 196.		6
146	Effect of SNR of input signal on the accuracy of a ratiometric wavelength measurement system. Microwave and Optical Technology Letters, 2007, 49, 1022-1024.	1.4	6
147	Ratiometric wavelength monitor based on X-type spectral response using two edge filters. , 2009, , .		6
148	Light Coupling Between a Singlemode- Multimode-Singlemode (SMS) Fiber Structure and a Long Period Fiber Grating. Journal of Lightwave Technology, 2011, 29, 3683-3688.	4.6	6
149	The use of a bent singlemode-multimode-singlemode (SMS) fiber structure for vibration sensing. Proceedings of SPIE, 2011, , .	0.8	6
150	Spectral tuning of a microfiber coupler with a liquid crystal overlay. , 2012, , .		6
151	The Use of a Fiber Comb Filter Fabricated by a CO ₂ Laser Irradiation to Improve the Resolution of a Ratiometric Wavelength Measurement System. Journal of Lightwave Technology, 2012, 30, 1143-1149.	4.6	6
152	A simple integrated ratiometric wavelength monitor based on a directional coupler. Optik, 2014, 125, 795-798.	2.9	6
153	Studies of geometrical profiling in fabricated tapered optical fibers using whispering gallery modes spectroscopy. Optical Fiber Technology, 2018, 41, 82-88.	2.7	6
154	Spectral dependence of transmission losses in high-index polymer coated no-core fibers. Journal of Lightwave Technology, 2020, , 1-1.	4.6	6
155	High sensitivity liquid level sensor for microfluidic applications using a hollow core fiber structure. Sensors and Actuators A: Physical, 2021, 332, 113134.	4.1	6
156	Modeling and Analysis of the Effect of Noise on an Edge Filter Based Ratiometric Wavelength Measurement System. Journal of Lightwave Technology, 2008, 26, 3434-3442.	4.6	5
157	The Temperature Dependence of Polarization-Dependent Loss for a Macrobending Single-Mode-Fiber-Based Edge Filter. IEEE Photonics Technology Letters, 2009, 21, 516-518.	2.5	5
158	Investigation and experimental measurement of scissor blade cutting forces using fiber Bragg grating sensors. Smart Materials and Structures, 2011, 20, 105004.	3.5	5
159	Experimental Study on the Frequency Dependence of the Liquid Crystal Infiltrated Photonic Crystal Fibers. IEEE Sensors Journal, 2012, 12, 1018-1024.	4.7	5
160	Photonic Crystal Fiber Sensors for Minimally Invasive Surgical Devices. IEEE Transactions on Biomedical Engineering, 2012, 59, 332-338.	4.2	5
161	Optical fibre sensors for monitoring phase transitions in phase changing materials. Smart Materials and Structures, 2018, 27, 105021.	3.5	5
162	A method to measure reference strain in FBG strain sensor interrogation system involving actuators. Microwave and Optical Technology Letters, 2007, 49, 2658-2661.	1.4	4

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163	Study of the effect of source signal bandwidth on ratiometric wavelength measurement. Applied Optics, 2010, 49, 5626.	2.1	4
164	A miniature optical humidity sensor. , 2011, , .		4
165	Demodulation Algorithm Using the Hilbert Transform for a Dynamic Polarimetric Optical Fiber Sensor. IEEE Sensors Journal, 2015, 15, 6664-6670.	4.7	4
166	Detection of volatile organic compounds using an optical fiber sensor coated with a sol-gel silica layer containing immobilized Nile red. Proceedings of SPIE, 2017, , .	0.8	4
167	Study of the influence of the agarose hydrogel layer thickness on sensitivity of the coated silica microsphere resonator to humidity. Applied Optics, 2017, 56, 4065.	2.1	4
168	Light transmission mechanisms in a SMF-capillary fiber-SMF structure and its application to bi-directional liquid level measurement. Optics Express, 2022, 30, 21876.	3.4	4
169	Liquid crystal modulators of visible and infrared laser radiation. , 2001, , .		3
170	<title>Properties of new polar liquid crystalline materials with the keto group and different number of lactate units</title>. , 2004, , .		3
171	Analysis and performance evaluation of an all-fiber wide range interrogation system for a Bragg grating sensor array. Journal of Optics, 2009, 11, 054004.	1.5	3
172	A macrobending fiber based micro-displacement sensor utilizing whispering-gallery modes. , 2009, , .		3
173	All Fiber tunable loss filter. Proceedings of SPIE, 2009, , .	0.8	3
174	A macrobending fiber based vibration sensor using Whispering Gallery mode. Proceedings of SPIE, 2010, , .	0.8	3
175	Macro-bend optical fiber linear displacement sensor. , 2010, , .		3
176	Influence of the lamination process on the strain sensitivity of the fiber sensors embedded in composite materials. Proceedings of SPIE, 2011, , .	0.8	3
177	An SMS fiber structure based on chalcogenide multimode fiber. Proceedings of SPIE, 2012, , .	0.8	3
178	Experimental study of temperature response of a microfiber coupler sensor with a liquid crystal overlay. Proceedings of SPIE, 2013, , .	0.8	3
179	Performance evaluation of an all-fiber ratiometric wavelength monitor system using edge filters based on sms fiber structures. Microwave and Optical Technology Letters, 2013, 55, 1645-1649.	1.4	3
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