

Yuliya Semenova

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Enhancing the Visibility of Vernier Effect in a Tri-Microfiber Coupler Fiber Loop Interferometer for Ultrasensitive Refractive Index and Temperature Sensing. Journal of Lightwave Technology, 2021, 39, 1523-1529.	4.6	17
3	Singlemode-Multimode-Singlemode Fiber Structures for Sensing Applications – A Review. IEEE Sensors Journal, 2021, 21, 12734-12751.	4.7	78
4	Thermo-optic tuning of a nematic liquid crystal-filled capillary whispering gallery mode resonator. Optics Express, 2021, 29, 23569.	3.4	10
5	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
6	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
7	Optical fiber fabry-perot sensor based on a singlemode-hollow core-singlemode fiber structure for direct detection of phase transition in n-octadecane. Measurement: Journal of the International Measurement Confederation, 2021, 184, 110002.	5.0	3
8	Compact Interferometric Sensors for Simultaneous Detection of Multiple VOCs. , 2021, , .		0
9	Spectral dependence of transmission losses in high-index polymer coated no-core fibers. Journal of Lightwave Technology, 2020, , 1-1.	4.6	6
10	Negative Curvature Hollow Core Fiber Based All-Fiber Interferometer and Its Sensing Applications to Temperature and Strain. Sensors, 2020, 20, 4763.	3.8	8
11	Anti-resonance, inhibited coupling and mode transition in depressed core fibers. Optics Express, 2020, 28, 16526.	3.4	14
12	Microfluidic flow direction and rate vector sensor based on a partially gold-coated TFBG. Optics Letters, 2020, 45, 2776.	3.3	16
13	High-sensitivity temperature sensor based on anti-resonance in high-index polymer-coated optical fiber interferometers. Optics Letters, 2020, 45, 5385.	3.3	18
14	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. Biosensors and Bioelectronics, 2019, 145, 111563.	10.1	29
15	SNS optical fiber sensor for direct detection of phase transitions in C18H38 n-alkane material. Experimental Thermal and Fluid Science, 2019, 109, 109854.	2.7	7
16	Discrete Self-Imaging in Small-Core Optical Fiber Interferometers. Journal of Lightwave Technology, 2019, 37, 1873-1884.	4.6	12
17	Packaged inline cascaded optical micro-resonators for multi-parameter sensing. Optical Fiber Technology, 2019, 50, 50-54.	2.7	12
18	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

#	ARTICLE	IF	CITATIONS
19	Mode Transition in Conventional Step-Index Optical Fibers. , 2019, , .		1
20	Temperature-compensated magnetic field sensing with a dual-ring structure consisting of microfiber coupler-Sagnac loop and fiber Bragg grating-assisted resonant cavity. Applied Optics, 2019, 58, 2334.	1.8	17
21	Strain independent twist sensor based on uneven platinum coated hollow core fiber structure. Optics Express, 2019, 27, 19726.	3.4	7
22	Sub-micrometer resolution liquid level sensor based on a hollow core fiber structure. Optics Letters, 2019, 44, 2125.	3.3	40
23	Sensing of multiple parameters with whispering gallery mode optical fiber micro-resonators. , 2019, , .		0
24	Fused silica capillary interferometer with a layer-by-layer functional coating for the analysis of chemicals content in aqueous solutions. , 2019, , .		0
25	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Â°C) Measurement. Journal of Lightwave Technology, 2018, 36, 1583-1590.	4.6	59
26	A comprehensive experimental study of whispering gallery modes in a cylindrical microresonator excited by a tilted fiber taper. Microwave and Optical Technology Letters, 2018, 60, 1495-1504.	1.4	7
27	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
28	Studies of geometrical profiling in fabricated tapered optical fibers using whispering gallery modes spectroscopy. Optical Fiber Technology, 2018, 41, 82-88.	2.7	6
29	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
30	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
31	Study of the influence of the sol-gel silica layer thickness on sensitivity of the coated silica microsphere resonator to ammonia in air. , 2018, , .		1
32	Optical fiber Fresnel reflection sensor for direct detection of the solidâ€“liquid phase change in n-octadecane. Measurement Science and Technology, 2018, 29, 125107.	2.6	8
33	Fabrication and Characterization of a Magnetized Metal-Encapsulated FBG Sensor for Structural Health Monitoring. IEEE Sensors Journal, 2018, 18, 8739-8746.	4.7	13
34	Singlemode-multimode-singlemode fibre structure for phase transition monitoring in phase changing materials (invited paper). Journal of Physics: Conference Series, 2018, 1065, 252024.	0.4	0
35	Optical fibre sensors for monitoring phase transitions in phase changing materials. Smart Materials and Structures, 2018, 27, 105021.	3.5	5
36	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. Sensors and Actuators B: Chemical, 2018, 271, 1-8.	7.8	45

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37	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. Journal of Lightwave Technology, 2018, 36, 3672-3677.	4.6	37
38	Thermo-optic tuning of a packaged whispering gallery mode resonator filled with nematic liquid crystal. Optics Express, 2018, 26, 8431.	3.4	26
39	Optical spectral sweep comb liquid flow rate sensor. Optics Letters, 2018, 43, 751.	3.3	31
40	Measurements of milli-Newton surface tension forces with tilted fiber Bragg gratings. Optics Letters, 2018, 43, 255.	3.3	31
41	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
42	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
43	Whispering gallery mode micro resonators for multi-parameter sensing applications. Optics Express, 2018, 26, 31829.	3.4	26
44	A simple optical fiber interferometer based breathing sensor. Measurement Science and Technology, 2017, 28, 035105.	2.6	28
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	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
47	Simultaneous measurement of both magnetic field strength and temperature with a microfiber coupler based fiber laser sensor. Proceedings of SPIE, 2017, , .	0.8	3
48	Compact relative humidity sensor based on an Agarose hydrogel coated silica microsphere resonator. , 2017, , .		1
49	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
50	High sensitivity temperature sensor based on a polymer filled hollow core optical fibre interferometer. Proceedings of SPIE, 2017, , .	0.8	1
51	Magnetic field sensing using whispering-gallery modes in a cylindrical microresonator infiltrated with ferromagnetic liquid crystal. Optics Express, 2017, 25, 12195.	3.4	26
52	High Sensitivity Refractometer Based on Reflective Smf-Small Diameter No Core Fiber Structure. Sensors, 2017, 17, 1415.	3.8	16
53	Strain-induced spectral tuning of the whispering gallery modes in a cylindrical micro-resonator formed by a polymer optical fiber. Applied Optics, 2017, 56, 1339.	2.1	9
54	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

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55	Overview of Fiber Optic Sensor Technologies for Strain/Temperature Sensing Applications in Composite Materials. <i>Sensors</i> , 2016, 16, 99.	3.8	255
56	High sensitivity sol-gel silica coated optical fiber sensor for detection of ammonia in water. <i>Optics Express</i> , 2016, 24, 24179.	3.4	32
57	Agarose coated spherical micro resonator for humidity measurements. <i>Optics Express</i> , 2016, 24, 21216.	3.4	75
58	Investigation of Humidity and Temperature Response of a Silica Gel Coated Microfiber Coupler. <i>IEEE Photonics Journal</i> , 2016, 8, 1-7.	2.0	25
59	Sol-gel silica coated optical fiber sensor for ammonia gas detection. , 2016, , .		0
60	A spherical-structure based fiber sensor for simultaneous measurement of ammonia gas concentration and temperature. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
61	Utilising a loop structure to allow a microfiber coupler with larger taper diameters to be used for sensing. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
62	Porous silica coated spherical microresonator for vapor phase sensing of ammonia at a sub-ppm level. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
63	Optical microfiber-loaded surface plasmonic TE-pass polarizer. <i>Optics and Laser Technology</i> , 2016, 78, 101-105.	4.6	9
64	Tunable whispering gallery mode cylindrical micro resonator based on a section of a polymer optical fiber. , 2016, , .		0
65	Demodulation Algorithm Using the Hilbert Transform for a Dynamic Polarimetric Optical Fiber Sensor. <i>IEEE Sensors Journal</i> , 2015, 15, 6664-6670.	4.7	4
66	Refractive index sensor based on a silica microsphere whispering gallery mode resonator. , 2015, , .		1
67	Optical Microfibre Based Photonic Components and Their Applications in Label-Free Biosensing. <i>Biosensors</i> , 2015, 5, 471-499.	4.7	32
68	Submicron accuracy fiber taper profiling using whispering gallery modes in a cylindrical fiber micro-resonator. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
69	A Compact Sagnac Loop Based on a Microfiber Coupler for Twist Sensing. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 2579-2582.	2.5	30
70	Investigation on stress/strain sensing characteristics for magnetorheological smart composite material by a SMS fiber structure. , 2015, , .		0
71	Magnetic-field sensor based on whispering-gallery modes in a photonic crystal fiber infiltrated with magnetic fluid. <i>Optics Letters</i> , 2015, 40, 4983.	3.3	74
72	Optical microfiber coupler based humidity sensor with a polyethylene oxide coating. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 457-460.	1.4	33

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73	A Hybrid Wedge-To-Wedge Plasmonic Waveguide With Low Loss Propagation and Ultra-Deep-Nanoscale Mode Confinement. <i>Journal of Lightwave Technology</i> , 2015, 33, 3827-3835.	4.6	21
74	High sensitivity refractive index sensor based on a tapered small core single-mode fiber structure. <i>Optics Letters</i> , 2015, 40, 4166.	3.3	70
75	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
76	Investigation of the effect of vibration amplitude on vibration measurements of polarimetric fiber sensors embedded in composite beams. <i>Smart Materials and Structures</i> , 2014, 23, 045037.	3.5	3
77	Periodically tapered photonic crystal fibre based strain sensor fabricated by a CO ₂ laser technique. , 2014, , .		0
78	Photonic crystal fibre-based polarimetric sensor for cure monitoring of magnetorheological smart composite material. <i>Electronics Letters</i> , 2014, 50, 1083-1084.	1.0	0
79	Corrections to "Low Loss, High Extinction Ratio and Ultra-Compact Plasmonic Polarization Beam Splitter" [Apr 1 2014 660-663]. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 2413-2413.	2.5	0
80	UV exposure on a single-mode fiber within a multimode interference structure. <i>Optics Letters</i> , 2014, 39, 6521.	3.3	3
81	Numerical and Experimental Study of Whispering Gallery Mode Resonator based on a Silica Microsphere. , 2014, , .		1
82	Packaged, high-Q, microsphere-resonator-based add-drop filter. <i>Optics Letters</i> , 2014, 39, 5208.	3.3	40
83	Microfiber coupler based label-free immunosensor. <i>Optics Express</i> , 2014, 22, 8150.	3.4	20
84	A miniaturized flexible surface attachable interrogator for hybrid optical fiber sensing. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 1167-1174.	1.4	2
85	A photonic crystal fibre tip refractometer based on multimode interference. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
86	Microfiber coupler based biosensor incorporating a layer of gold nanoparticles with improved sensitivity. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
87	A high sensitivity refractometer based on a tapered SCSMF structure and its application to biosensing. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
88	Study of whispering gallery modes in a cylindrical microresonator excited by a tilted fiber taper. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
89	The use of a bend singlemode-multimode-singlemode (SMS) fibre structure for vibration sensing. <i>Optics and Laser Technology</i> , 2014, 63, 29-33.	4.6	28
90	Hybrid Fiber Optic Sensor System for Measuring the Strain, Temperature, and Thermal Strain of Composite Materials. <i>IEEE Sensors Journal</i> , 2014, 14, 2571-2578.	4.7	30

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91	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
92	White Light Trapping Using Supercontinuum Generation Spectra in a Lead-Silicate Fibre Taper. Journal of Lightwave Technology, 2014, 32, 40-45.	4.6	12
93	Low Loss, High Extinction Ration and Ultra-Compact Plasmonic Polarization Beam Splitter. IEEE Photonics Technology Letters, 2014, 26, 660-663.	2.5	23
94	Hybrid nanowedge plasmonic waveguide for low loss propagation with ultra-deep-subwavelength mode confinement. Optics Letters, 2014, 39, 973.	3.3	21
95	Sensitivity enhancement for a multimode fiber sensor with an axisymmetric metal grating layer. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 69-74.	2.0	16
96	A simple integrated ratiometric wavelength monitor based on a directional coupler. Optik, 2014, 125, 795-798.	2.9	6
97	Photonic crystal fiber half-taper probe based refractometer. Optics Letters, 2014, 39, 2076.	3.3	18
98	Studies of Effective Coupling conditions for a Microsphere- Tapered Fiber System for Generating Whispering Gallery Modes. , 2014, , .		1
99	Hybrid plasmonic biosensor for simultaneous measurement of both thickness and refractive index. Infrared Physics and Technology, 2013, 60, 134-136.	2.9	8
100	Experimental study of temperature response of a microfiber coupler sensor with a liquid crystal overlay. Proceedings of SPIE, 2013, , .	0.8	3
101	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
102	Enhanced Refractometer Based on Periodically Tapered Small Core Singlemode Fiber. IEEE Sensors Journal, 2013, 13, 180-185.	4.7	35
103	Efficient and broadband Cherenkov radiations in the multi-knots of a hollow-core photonic crystal fiber cladding. Optics Communications, 2013, 291, 317-320.	2.1	2
104	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
105	Hybrid waveguide based long-range surface plasmon biosensor. Proceedings of SPIE, 2013, , .	0.8	2
106	Enhanced refractive index sensor using a combination of a long period fiber grating and a small core singlemode fiber structure. Measurement Science and Technology, 2013, 24, 094002.	2.6	7
107	Mid-infrared Raman sources using spontaneous Raman scattering in germanium core optical fibers. Applied Physics Letters, 2013, 102, .	3.3	18
108	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

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109	Fiber Optic Hybrid Device for Simultaneous Measurement of Humidity and Temperature. IEEE Sensors Journal, 2013, 13, 1632-1636.	4.7	37
110	Novel Dielectric-Loaded Plasmonic Waveguide for Tight-Confined Hybrid Plasmon Mode. Plasmonics, 2013, 8, 1259-1263.	3.4	8
111	A multimode fiber tip based temperature sensor. , 2013, , .		0
112	Low-temperature sensitivity periodically tapered photonic crystal-fiber-based refractometer. Optics Letters, 2013, 38, 3795.	3.3	26
113	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
114	High Sensitivity Fiber Refractometer Based on an Optical Microfiber Coupler. IEEE Photonics Technology Letters, 2013, 25, 228-230.	2.5	56
115	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
116	Packaged chalcogenide microsphere resonator with high Q-factor. Applied Physics Letters, 2013, 102, .	3.3	47
117	Fiber-tip high-temperature sensor based on multimode interference. Optics Letters, 2013, 38, 4617.	3.3	70
118	Microfiber Coupler Based Biosensor for Immunoglobulin G Antigen Detection. , 2013, , .		0
119	Fabrication and Characterization of Bragg Gratings in Polymer Optical Fibers using 248 nm Irradiation. , 2013, , .		0
120	Enhanced RI sensor using a combination of a long period fiber grating and a small core singlemode fiber (SCSMF) structure. Proceedings of SPIE, 2012, , .	0.8	0
121	High temperature performance of an optical microfiber coupler and its potential use as a sensor. Electronics Letters, 2012, 48, 283.	1.0	24
122	A novel nano-plasmonic band-gap splitter based on a T-shaped Bragg grating waveguide. Proceedings of SPIE, 2012, , .	0.8	0
123	Germanium microsphere high-Q resonator. Optics Letters, 2012, 37, 728.	3.3	45
124	A novel biosensor based on a coupled surface plasmon nanostructure. , 2012, , .		0
125	An investigation of the polarization dependence of a temperature sensor based on an optical microfiber coupler. , 2012, , .		2
126	Resolution Improvement of a Ratiometric Wavelength Measurement System by Using an Optical Microfibre Coupler. , 2012, , .		0

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127	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
128	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
129	Photonic crystal fiber strain sensors for laparoscopic surgical devices. , 2012, , .		0
130	An SMS fiber structure based on chalcogenide multimode fiber. Proceedings of SPIE, 2012, , .	0.8	3
131	Comparison of vibration measurements in composite materials using different types of polarimetric sensors. Proceedings of SPIE, 2012, , .	0.8	2
132	Characterization of the polarimetric sensors embedded in carbon and glass reinforced composite materials for strain/temperature measurements. , 2012, , .		0
133	Refractive index sensing measurement based on periodically tapered small core singlemode fibre. , 2012, , .		0
134	Spectral tuning of a microfiber coupler with a liquid crystal overlay. , 2012, , .		6
135	High-Q Bismuth-Silicate Nonlinear Glass Microsphere Resonators. IEEE Photonics Journal, 2012, 4, 1013-1020.	2.0	10
136	Control of light propagation in optical fibers using liquid crystals for applications in optical communications and sensing. , 2012, , .		1
137	Experimental Study on the Frequency Dependence of the Liquid Crystal Infiltrated Photonic Crystal Fibers. IEEE Sensors Journal, 2012, 12, 1018-1024.	4.7	5
138	Analysis and applications of nanocavity structures used as tunable filters and sensors. Infrared Physics and Technology, 2012, 55, 389-394.	2.9	14
139	A miniature optical breathing sensor. Biomedical Optics Express, 2012, 3, 3325.	2.9	49
140	Composite materials with embedded photonic crystal fiber interferometric sensors. Sensors and Actuators A: Physical, 2012, 182, 57-67.	4.1	19
141	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
142	A high sensitivity humidity sensor based on an Agarose coated photonic crystal fiber interferometer. Proceedings of SPIE, 2012, , .	0.8	2
143	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
144	A Photonic Crystal Fiber and Fiber Bragg Grating-Based Hybrid Fiber-Optic Sensor System. IEEE Sensors Journal, 2012, 12, 39-43.	4.7	20

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145	Evanescent field coupling between two parallel close contact SMS fiber structures. Optics Express, 2012, 20, 3098.	3.4	8
146	A demodulation scheme for a hybrid fiber sensor system for composite materials. Proceedings of SPIE, 2012, , .	0.8	2
147	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
148	Photonic Crystal Fiber Interferometer for Dew Detection. Journal of Lightwave Technology, 2012, 30, 1150-1155.	4.6	24
149	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
150	Photonic Crystal Fiber Sensors for Minimally Invasive Surgical Devices. IEEE Transactions on Biomedical Engineering, 2012, 59, 332-338.	4.2	5
151	Numerical investigation on a laser based localised joining with a glass frit intermediate layer. Microsystem Technologies, 2012, 18, 87-95.	2.0	2
152	High sensitivity refractive index sensor based on multimode fiber coated with an axisymmetric metal grating layer. , 2012, , .		0
153	Temperature Insensitive Miniature Photonic Crystal Fiber Interferometric (PCFI) Strain Sensors. , 2012, , .		0
154	A silica singmode fibre-chalcogenide multimode fibre-silica singlemode fibre structure. Photonics Letters of Poland, 2012, 4, .	0.4	1
155	Singlemode hetero-core fiber based refractometer demodulated in a ratiometric system. , 2011, , .		0
156	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
157	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
158	Directional Electric Field Sensitivity of a Liquid Crystal Infiltrated Photonic Crystal Fiber. IEEE Photonics Technology Letters, 2011, 23, 408-410.	2.5	35
159	A miniature optical humidity sensor. , 2011, , .		4
160	A simple ultrasensitive displacement sensor based on a high bend loss single-mode fibre and a ratiometric measurement system. Journal of Optics (United Kingdom), 2011, 13, 075402.	2.2	10
161	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
162	Investigation of single-modeâ€“multimodeâ€“single-mode and single-modeâ€“tapered-multimodeâ€“single-mode fiber structures and their application for refractive index sensing. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1180.	2.1	82

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163	Liquid crystal infiltrated photonic crystal fibers for electric field intensity measurements. Applied Optics, 2011, 50, 2628.	2.1	62
164	High sensitivity SMS fiber structure based refractometer analysis and experiment. Optics Express, 2011, 19, 7937.	3.4	387
165	Humidity sensor based on a single-mode hetero-core fiber structure. Optics Letters, 2011, 36, 1752.	3.3	79
166	Fiber refractometer based on a fiber Bragg grating and single-mode-multimode-single-mode fiber structure. Optics Letters, 2011, 36, 2197.	3.3	125
167	High-sensitivity, evanescent field refractometric sensor based on a tapered, multimode fiber interference. Optics Letters, 2011, 36, 2233.	3.3	252
168	The use of a bent singlemode-multimode-singlemode (SMS) fiber structure for vibration sensing. Proceedings of SPIE, 2011, , .	0.8	6
169	Optimization of an integrated wavelength monitor device. , 2011, , .		2
170	An improved radiometric wavelength measurement system incorporating fibre comb filters fabricated by CO ₂ laser irradiation. , 2011, , .		1
171	Miniature temperature insensitive fiber optic sensors for minimally invasive surgical devices. , 2011, , .		0
172	Influence of the lamination process on the strain sensitivity of the fiber sensors embedded in composite materials. Proceedings of SPIE, 2011, , .	0.8	3
173	The use of 2D and 3D WA-BPM models to analyze total-internal-reflection-based integrated optical switches. , 2011, , .		1
174	Photonic crystal fiber interferometer for dew detection. , 2011, , .		2
175	Proposal for a simple integrated optical ion-exchange waveguide polarizer with a liquid crystal overlay. Optics Communications, 2011, 284, 979-984.	2.1	2
176	Numerical study of an ion-exchanged glass waveguide using both two-dimensional and three-dimensional models. Optics and Laser Technology, 2011, 43, 882-888.	4.6	1
177	A novel highly sensitive optical fiber microphone based on single mode-multimode-single mode structure. Microwave and Optical Technology Letters, 2011, 53, 442-445.	1.4	17
178	Experimental demonstration of an all-fiber variable optical attenuator based on liquid crystal infiltrated photonic crystal fiber. Microwave and Optical Technology Letters, 2011, 53, 539-543.	1.4	20
179	Single-multimode-single-mode fiber structures for simultaneous measurement of strain and temperature. Microwave and Optical Technology Letters, 2011, 53, 2181-2185.	1.4	27
180	Tunable RF-band optoelectronic oscillator and optoelectronic computer-aided design model for its simulation. Microwave and Optical Technology Letters, 2011, 53, 2474-2477.	1.4	21

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181	The distributed dynamic combined-stresses measurement of ship thruster inner-skin using fiber Bragg grating sensor rosette array. <i>Optik</i> , 2011, 122, 1779-1781.	2.9	11
182	A fiber-optic voltage sensor based on macrobending structure. <i>Optics and Laser Technology</i> , 2011, 43, 922-925.	4.6	35
183	Improving the sensitivity of a humidity sensor based on fiber bend coated with a hygroscopic coating. <i>Optics and Laser Technology</i> , 2011, 43, 1301-1305.	4.6	35
184	All-fiber polarimetric electric field sensing using liquid crystal infiltrated photonic crystal fibers. <i>Sensors and Actuators A: Physical</i> , 2011, 167, 54-59.	4.1	35
185	Lead silicate glass microsphere resonators with absorption-limited Q. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	13
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187	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
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