Youqiao

List of Publications by Year in descending order

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Version: 2024-02-01

90 papers	2,989 citations	172457 29 h-index	168389 53 g-index
90 all docs	90 docs citations	90 times ranked	2305 citing authors

#	Article	IF	Citations
1	High-directionality spin-selective routing of photons in plasmonic nanocircuits. Nanoscale, 2022, 14, 428-432.	5.6	3
2	Singlemode-Multimode-Singlemode Fiber Structures for Sensing Applicationsâ€"A Review. IEEE Sensors Journal, 2021, 21, 12734-12751.	4.7	78
3	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
4	Spectral dependence of transmission losses in high-index polymer coated no-core fibers. Journal of Lightwave Technology, 2020, , 1-1.	4.6	6
5	Negative Curvature Hollow Core Fiber Based All-Fiber Interferometer and Its Sensing Applications to Temperature and Strain. Sensors, 2020, 20, 4763.	3.8	8
6	Anti-resonance, inhibited coupling and mode transition in depressed core fibers. Optics Express, 2020, 28, 16526.	3.4	14
7	High-sensitivity temperature sensor based on anti-resonance in high-index polymer-coated optical fiber interferometers. Optics Letters, 2020, 45, 5385.	3.3	18
8	Ultrasensitive biosensor based on magnetic microspheres enhanced microfiber interferometer. Biosensors and Bioelectronics, 2019, 145, 111563.	10.1	29
9	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
10	Discrete Self-Imaging in Small-Core Optical Fiber Interferometers. Journal of Lightwave Technology, 2019, 37, 1873-1884.	4.6	12
11	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
12	Mode Transition in Conventional Step-Index Optical Fibers. , 2019, , .		1
13	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
14	Strain independent twist sensor based on uneven platinum coated hollow core fiber structure. Optics Express, 2019, 27, 19726.	3.4	7
15	Sub-micrometer resolution liquid level sensor based on a hollow core fiber structure. Optics Letters, 2019, 44, 2125.	3.3	40
16	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Â°C) Measurement. Journal of Lightwave Technology, 2018, 36, 1583-1590.	4.6	59
17	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
18	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

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19	High Sensitive Z-Shaped Fiber Interferometric Refractive Index Sensor: Simulation and Experiment. IEEE Photonics Technology Letters, 2018, 30, 1131-1134.	2.5	10
20	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
21	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
22	Fabrication and Characterization of a Magnetized Metal-Encapsulated FBG Sensor for Structural Health Monitoring. IEEE Sensors Journal, 2018, 18, 8739-8746.	4.7	13
23	Optical fibre sensors for monitoring phase transitions in phase changing materials. Smart Materials and Structures, 2018, 27, 105021.	3.5	5
24	High sensitivity optical fiber sensors for simultaneous measurement of methanol and ethanol. Sensors and Actuators B: Chemical, 2018, 271, 1-8.	7.8	45
25	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. Journal of Lightwave Technology, 2018, 36, 3672-3677.	4.6	37
26	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
27	A simple optical fiber interferometer based breathing sensor. Measurement Science and Technology, 2017, 28, 035105.	2.6	28
28	High Sensitivity Ammonia Gas Sensor Based on a Silica-Gel-Coated Microfiber Coupler. Journal of Lightwave Technology, 2017, 35, 2864-2870.	4.6	33
29	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
30	High Sensitivity Refractometer Based on Reflective Smf-Small Diameter No Core Fiber Structure. Sensors, 2017, 17, 1415.	3.8	16
31	Overview of Fiber Optic Sensor Technologies for Strain/Temperature Sensing Applications in Composite Materials. Sensors, 2016, 16, 99.	3.8	255
32	High sensitivity sol-gel silica coated optical fiber sensor for detection of ammonia in water. Optics Express, 2016, 24, 24179.	3.4	32
33	Investigation of Humidity and Temperature Response of a Silica Gel Coated Microfiber Coupler. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	25
34	Sol-gel silica coated optical fiber sensor for ammonia gas detection. , 2016, , .		0
35	Optical microfiber-loaded surface plasmonic TE-pass polarizer. Optics and Laser Technology, 2016, 78, 101-105.	4.6	9
36	Demodulation Algorithm Using the Hilbert Transform for a Dynamic Polarimetric Optical Fiber Sensor. IEEE Sensors Journal, 2015, 15, 6664-6670.	4.7	4

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37	Refractive index sensor based on a silica microsphere whispering gallery mode resonator. , 2015, , .		1
38	Optical Microfibre Based Photonic Components and Their Applications in Label-Free Biosensing. Biosensors, 2015, 5, 471-499.	4.7	32
39	A Compact Sagnac Loop Based on a Microfiber Coupler for Twist Sensing. IEEE Photonics Technology Letters, 2015, 27, 2579-2582.	2.5	30
40	Investigation on stress/strain sensing characteristics for magnetorheological smart composite material by a SMS fiber structure. , 2015, , .		0
41	Optical microfiber coupler based humidity sensor with a polyethylene oxide coating. Microwave and Optical Technology Letters, 2015, 57, 457-460.	1.4	33
42	High sensitivity refractive index sensor based on a tapered small core single-mode fiber structure. Optics Letters, 2015, 40, 4166.	3.3	70
43	Corrections to â€œLow Loss, High Extinction Ration and Ultra-Compact Plasmonic Polarization Beam Splitterâ€•[Apr 1 2014 660-663]. IEEE Photonics Technology Letters, 2014, 26, 2413-2413.	2.5	0
44	A miniaturized flexible surface attachable interrogator for hybrid optical fiber sensing. Microwave and Optical Technology Letters, 2014, 56, 1167-1174.	1.4	2
45	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
46	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
47	Low Loss, High Extinction Ration and Ultra-Compact Plasmonic Polarization Beam Splitter. IEEE Photonics Technology Letters, 2014, 26, 660-663.	2.5	23
48	Enhanced Refractometer Based on Periodically Tapered Small Core Singlemode Fiber. IEEE Sensors Journal, 2013, 13, 180-185.	4.7	35
49	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
50	Mid-infrared Raman sources using spontaneous Raman scattering in germanium core optical fibers. Applied Physics Letters, 2013, 102, .	3.3	18
51	Fiber Optic Hybrid Device for Simultaneous Measurement of Humidity and Temperature. IEEE Sensors Journal, 2013, 13, 1632-1636.	4.7	37
52	Novel Dielectric-Loaded Plasmonic Waveguide for Tight-Confined Hybrid Plasmon Mode. Plasmonics, 2013, 8, 1259-1263.	3.4	8
53	High Sensitivity Fiber Refractometer Based on an Optical Microfiber Coupler. IEEE Photonics Technology Letters, 2013, 25, 228-230.	2.5	56
54	Packaged chalcogenide microsphere resonator with high Q-factor. Applied Physics Letters, 2013, 102, .	3.3	47

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55	Fiber-tip high-temperature sensor based on multimode interference. Optics Letters, 2013, 38, 4617.	3.3	70
56	High-Q Bismuth-Silicate Nonlinear Glass Microsphere Resonators. IEEE Photonics Journal, 2012, 4, 1013-1020.	2.0	10
57	Experimental Study on the Frequency Dependence of the Liquid Crystal Infiltrated Photonic Crystal Fibers. IEEE Sensors Journal, 2012, 12, 1018-1024.	4.7	5
58	Analysis and applications of nanocavity structures used as tunable filters and sensors. Infrared Physics and Technology, 2012, 55, 389-394.	2.9	14
59	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
60	Evanescent field coupling between two parallel close contact SMS fiber structures. Optics Express, 2012, 20, 3098.	3.4	8
61	Numerical investigation on a laser based localised joining with a glass frit intermediate layer. Microsystem Technologies, 2012, 18, 87-95.	2.0	2
62	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
63	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
64	A miniature optical humidity sensor. , 2011, , .		4
65	High sensitivity SMS fiber structure based refractometer â€“ analysis and experiment. Optics Express, 2011, 19, 7937.	3.4	387
66	Humidity sensor based on a single-mode hetero-core fiber structure. Optics Letters, 2011, 36, 1752.	3.3	79
67	Fiber refractometer based on a fiber Bragg grating and single-modeâ€“multimodeâ€“single-mode fiber structure. Optics Letters, 2011, 36, 2197.	3.3	125
68	High-sensitivity, evanescent field refractometric sensor based on a tapered, multimode fiber interference. Optics Letters, 2011, 36, 2233.	3.3	252
69	A novel highly sensitive optical fiber microphone based on single modeâ€“multimodeâ€“single mode structure. Microwave and Optical Technology Letters, 2011, 53, 442-445.	1.4	17
70	Experimental demonstration of an allâ€fiber variable optical attenuator based on liquid crystal infiltrated photonic crystal fiber. Microwave and Optical Technology Letters, 2011, 53, 539-543.	1.4	20
71	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
72	Lead silicate glass microsphere resonators with absorption-limited Q. Applied Physics Letters, 2011, 98, .	3.3	13

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73	A comprehensive analysis verified by experiment of a refractometer based on an SMF28â€“small-core singlemode fiber (SCSMF)â€“SMF28 fiber structure. Journal of Optics (United Kingdom), 2011, 13, 125401.	2.2	35
74	Low cost disposable reflective optical fiber microphone. Microwave and Optical Technology Letters, 2010, 52, 1504-1507.	1.4	1
75	A voltage sensor based on a singlemodeâ€“multimodeâ€“singlemode fiber structure. Microwave and Optical Technology Letters, 2010, 52, 1887-1890.	1.4	13
76	A bend lossâ€“based singlemode fiber microdisplacement sensor. Microwave and Optical Technology Letters, 2010, 52, 2231-2235.	1.4	8
77	Simple design technique for a triangular FBG filter based on a linearly chirped grating. Optics Communications, 2010, 283, 985-992.	2.1	15
78	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
79	A Fiber Bragg Grating-Based All-Fiber Sensing System for Telerobotic Cutting Applications. IEEE Sensors Journal, 2010, 10, 1913-1920.	4.7	13
80	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
81	Study of the effect of source signal bandwidth on ratiometric wavelength measurement. Applied Optics, 2010, 49, 5626.	2.1	4
82	A Macrobending Fiber Based Micro-Displacement Sensor. , 2010, , .		2
83	Investigation of polarizationâ€dependent loss for a macrobending loss sensitive singleâ€mode fiber. Microwave and Optical Technology Letters, 2009, 51, 1460-1464.	1.4	0
84	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
85	Temperature-Induced Instabilities in Macro-Bend Fiber Based Wavelength Measurement Systems. Journal of Lightwave Technology, 2009, 27, 1355-1361.	4.6	9
86	Ratiometric wavelength monitor based on singlemodeâ€multimodeâ€singlemode fiber structure. Microwave and Optical Technology Letters, 2008, 50, 3036-3039.	1.4	20
87	A Low Polarization Sensitivity All-Fiber Wavelength Measurement System. IEEE Photonics Technology Letters, 2008, 20, 1464-1466.	2.5	9
88	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
89	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
90	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