Gang-Ding Peng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1429871/publications.pdf

Version: 2024-02-01

432	5,749	94269	133063
papers	citations	37 h-index	59 g-index

433	433	433	3986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mode-division multiplexed transmission with inline few-mode fiber amplifier. Optics Express, 2012, 20, 2668.	1.7	254
2	Highly sensitive liquid level monitoring system utilizing polymer fiber Bragg gratings. Optics Express, 2015, 23, 6058.	1.7	155
3	Distributed OTDR-interferometric sensing network with identical ultra-weak fiber Bragg gratings. Optics Express, 2015, 23, 29038.	1.7	139
4	Broad range pH sensor based on solâ€“gel entrapped indicators on fibre optic. Sensors and Actuators B: Chemical, 2008, 129, 94-98.	4.0	133
5	Highly Sensitive Bend Sensor Based on Bragg Grating in Eccentric Core Polymer Fiber. IEEE Photonics Technology Letters, 2010, 22, 850-852.	1.3	126
6	Air-structured optical fiber drawn from a 3D-printed preform. Optics Letters, 2015, 40, 3966.	1.7	108
7	Asymmetric long period fiber gratings fabricated by use of CO2 laser to carve periodic grooves on the optical fiber. Applied Physics Letters, 2006, 89, 151105.	1.5	104
8	Bismuth and erbium codoped optical fiber with ultrabroadband luminescence across O-, E-, S-, C-, and L-bands. Optics Letters, 2012, 37, 3447.	1.7	99
9	Distributed acoustic mapping based on interferometry of phase optical time-domain reflectometry. Optics Communications, 2015, 346, 172-177.	1.0	91
10	Simultaneous measurement of shrinkage and temperature of reactive powder concrete at early-age using fibre Bragg grating sensors. Cement and Concrete Composites, 2007, 29, 490-497.	4.6	87
11	A fast response intrinsic humidity sensor based on an etched singlemode polymer fiber Bragg grating. Sensors and Actuators A: Physical, 2013, 203, 107-111.	2.0	86
12	Label-free detection of bovine serum albumin based on an in-fiber Mach-Zehnder interferometric biosensor. Optics Express, 2017, 25, 17105.	1.7	82
13	Biochemical sensing in graphene-enhanced microfiber resonators with individual molecule sensitivity and selectivity. Light: Science and Applications, 2019, 8, 107.	7.7	70
14	Wavelength-encoded fiber-optic temperature sensor with ultra-high sensitivity. Optics Communications, 2008, 281, 5768-5770.	1.0	69
15	High Sensitivity Force and Pressure Measurements Using Etched Singlemode Polymer Fiber Bragg Gratings. IEEE Sensors Journal, 2013, 13, 1794-1800.	2.4	68
16	Turbidimetric inhibition immunoassay revisited to enhance its sensitivity via an optofluidic laser. Biosensors and Bioelectronics, 2019, 131, 60-66.	5.3	64
17	Silica optical fiber drawn from 3D printed preforms. Optics Letters, 2019, 44, 5358.	1.7	64
18	Long period fiber grating based on periodically screw-type distortions for torsion sensing. Optics Express, 2017, 25, 14308.	1.7	63

#	Article	IF	Citations
19	Hollow Core Fiber Based Interferometer for High-Temperature (1000 Â°C) Measurement. Journal of Lightwave Technology, 2018, 36, 1583-1590.	2.7	59
20	Magnetic field sensor based on a combination of a microfiber coupler covered with magnetic fluid and a Sagnac loop. Scientific Reports, 2017, 7, 4725.	1.6	57
21	Distributed fibre optofluidic laser for chip-scale arrayed biochemical sensing. Lab on A Chip, 2018, 18, 2741-2748.	3.1	57
22	Experimental Study and Analysis of Hydrostatic Pressure Sensitivity of Polymer Fibre Bragg Gratings. Journal of Lightwave Technology, 2015, 33, 2456-2462.	2.7	52
23	Toward optical fibre fabrication using 3D printing technology. Optical Fiber Technology, 2020, 58, 102299.	1.4	51
24	High spatial resolution fiber-optic Fizeau interferometric strain sensor based on an in-fiber spherical microcavity. Applied Physics Letters, 2008, 92, .	1.5	50
25	Step-index optical fiber drawn from 3D printed preforms. Optics Letters, 2016, 41, 4554.	1.7	50
26	Reproducible fiber optofluidic laser for disposable and array applications. Lab on A Chip, 2017, 17, 3431-3436.	3.1	50
27	Polymer optical fiber Bragg grating acting as an intrinsic biochemical concentration sensor. Optics Letters, 2012, 37, 1370.	1.7	48
28	Fabrication of Polymer Optical Fibre (POF) Gratings. Sensors, 2017, 17, 511.	2.1	48
29	Fiber laser based hydrophone systems. Photonic Sensors, 2011, 1, 210-221.	2.5	45
30	Highly sensitive force sensor based on optical microfiber asymmetrical Fabry-Perot interferometer. Optics Express, 2014, 22, 3578.	1.7	42
31	The investigation of an LSPR refractive index sensor based on periodic gold nanorings array. Journal Physics D: Applied Physics, 2018, 51, 045101.	1.3	42
32	Analysis of multimode POF gratings in stress and strain sensing applications. Optical Fiber Technology, 2011, 17, 201-209.	1.4	41
33	Gratings fabrication in benzildimethylketal doped photosensitive polymer optical fibers using 355 nm nanosecond pulsed laser. Optics Letters, 2010, 35, 751.	1.7	40
34	Toward an ultra-broadband emission source based on the Bismuth and Erbium co-doped optical fiber and a single 830nm laser diode pump. Optics Express, 2013, 21, 7786.	1.7	39
35	Pole-Zero Diagram Approach to the Design of Ring Resonator-Based Filters for Photonic Applications. Journal of Lightwave Technology, 2004, 22, 1548-1559.	2.7	38
36	Research on a novel composite structure Er^3+-doped DBR fiber laser with a Ï€-phase shifted FBG. Optics Express, 2013, 21, 22515.	1.7	38

#	Article	IF	Citations
37	Novel gas sensor combined active fiber loop ring-down and dual wavelengths differential absorption method. Optics Express, 2014, 22, 11244.	1.7	38
38	High Intrinsic Sensitivity Etched Polymer Fiber Bragg Grating Pair for Simultaneous Strain and Temperature Measurements. IEEE Sensors Journal, 2016, 16, 2453-2459.	2.4	38
39	Ce3+/Yb3+/Er3+ triply doped bismuth borosilicate glass: a potential fiber material for broadband near-infrared fiber amplifiers. Scientific Reports, 2016, 6, 33865.	1.6	37
40	Apodized distributed feedback fiber laser with asymmetrical outputs for multiplexed sensing applications. Optics Express, 2013, 21, 11309.	1.7	36
41	Experimental Study and Analysis of a Polymer Fiber Bragg Grating Embedded in a Composite Material. Journal of Lightwave Technology, 2014, 32, 1726-1733.	2.7	36
42	Intrinsic High-Sensitivity Sensors Based on Etched Single-Mode Polymer Optical Fibers. IEEE Photonics Technology Letters, 2015, 27, 604-607.	1.3	36
43	Design and fabrication of amoeba faced photonic crystal fiber for biosensing application. Sensors and Actuators A: Physical, 2020, 313, 112204.	2.0	35
44	Wavelength Sweep of Intracavity Fiber Laser for Low Concentration Gas Detection. IEEE Photonics Technology Letters, 2008, 20, 1515-1517.	1.3	34
45	Optical properties of PbS-doped silica optical fiber materials based on atomic layer deposition. Applied Surface Science, 2014, 320, 372-378.	3.1	34
46	Investigation of Wavelength Modulation and Wavelength Sweep Techniques in Intracavity Fiber Laser for Gas Detection. Journal of Lightwave Technology, 2011, 29, 15-21.	2.7	33
47	Performance Enhancement of Vibration Sensing Employing Multiple Phase-Shifted Fiber Bragg Grating. Journal of Lightwave Technology, 2011, 29, 3453-3460.	2.7	33
48	Radiation-induced photoluminescence enhancement of Bi/Al-codoped silica optical fibers via atomic layer deposition. Optics Express, 2015, 23, 29004.	1.7	33
49	Photoluminescence properties of Bi/Al-codoped silica optical fiber based on atomic layer deposition method. Applied Surface Science, 2015, 349, 287-291.	3.1	33
50	Side-Polished Single-Mode-Multimode-Single-Mode Fiber Structure for the Vector Magnetic Field Sensing. Journal of Lightwave Technology, 2020, 38, 5837-5843.	2.7	33
51	Mass production of thin-walled hollow optical fibers enables disposable optofluidic laser immunosensors. Lab on A Chip, 2020, 20, 923-930.	3.1	32
52	Highly sensitive fiber-optic accelerometer by grating inscription in specific core dip fiber. Scientific Reports, 2017, 7, 11856.	1.6	31
53	Channelled optical fibre photoreactor for improved air quality control. Chemical Engineering Science, 2010, 65, 882-889.	1.9	30
54	Graded-index optical fiber tweezers with long manipulation length. Optics Express, 2014, 22, 25267.	1.7	30

#	Article	IF	Citations
55	Design and Analysis of a High Sensitivity FBG Accelerometer Based on Local Strain Amplification. IEEE Sensors Journal, 2015, 15, 5442-5449.	2.4	30
56	Soliton controlling, switching, and splitting in nonlinear fused-fiber couplers. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 898.	0.9	28
57	Fiber Optofluidic Microlaser With Lateral Single Mode Emission. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	1.9	28
58	Optofluidic tunable manipulation of microparticles by integrating graded-index fiber taper with a microcavity. Optics Express, 2015, 23, 3762.	1.7	27
59	Formation and photoluminescence property of PbS quantum dots in silica optical fiber based on atomic layer deposition. Optical Materials Express, 2015, 5, 712.	1.6	27
60	Enhancing the sensitivity of poly(methyl methacrylate) based optical fiber Bragg grating temperature sensors. Optics Letters, 2015, 40, 4046.	1.7	27
61	Optical fiber distributed acoustic sensing based on the self-interference of Rayleigh backscattering. Measurement: Journal of the International Measurement Confederation, 2016, 79, 222-227.	2.5	27
62	Multiplexed fibre Fizeau interferometer and fibre Bragg grating sensor system for simultaneous measurement of quasi-static strain and temperature using discrete wavelet transform. Measurement Science and Technology, 2006, 17, 384-392.	1.4	26
63	Photoluminescence Characteristics of Bi^(m+)-Doped Silica Optical Fiber: Structural Model and Theoretical Analysis. Japanese Journal of Applied Physics, 2013, 52, 122501.	0.8	26
64	Percolation Diffusion into Self-Assembled Mesoporous Silica Microfibres. Nanomaterials, 2014, 4, 157-174.	1.9	26
65	Microfluidic Flow Rate Detection With a Large Dynamic Range by Optical Manipulation. IEEE Photonics Technology Letters, 2015, 27, 2508-2511.	1.3	26
66	Thermal Effect on Attenuation and Luminescence of Bi/Er Co-Doped Fiber. IEEE Photonics Technology Letters, 2017, 29, 43-46.	1.3	26
67	Fluorescence properties and energy level structure of Ce-doped silica fiber materials. Optical Materials Express, 2017, 7, 751.	1.6	26
68	Simultaneous demodulation technique for a multiplexed fiber Fizeau interferometer and fiber Bragg grating sensor system. Optics Letters, 2006, 31, 23.	1.7	25
69	Distributed acoustic sensing with Michelson interferometer demodulation. Photonic Sensors, 2017, 7, 193-198.	2.5	25
70	Polymer micro-fiber Bragg grating. Optics Letters, 2013, 38, 3359.	1.7	24
71	Electronic and luminescence characteristics of interstitial Bi0 atom in bismuth-doped silica optical fiber. Journal of Luminescence, 2019, 207, 346-350.	1.5	24
72	Real-Time Monitoring of Wind-Induced Vibration of High-Voltage Transmission Tower Using an Optical Fiber Sensing System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 268-274.	2.4	24

#	Article	IF	Citations
73	Improved scintillating properties in Ce:YAG derived silica fiber with the reduction from Ce4+ to Ce3+ ions. Journal of Luminescence, 2020, 221, 117063.	1.5	24
74	A Miniaturized FBG Accelerometer Based on a Thin Polyurethane Shell. IEEE Sensors Journal, 2016, 16, 1210-1216.	2.4	23
75	Microbubble-Based Fiber Optofluidic Interferometer for Sensing. Journal of Lightwave Technology, 2017, 35, 2514-2519.	2.7	23
76	Photo-bleaching mechanism of the BAC-Si in bismuth/erbium co-doped optical fibers. Optics Letters, 2017, 42, 5222.	1.7	23
77	Evanescently coupled optical fiber refractometer based a tilted fiber Bragg grating and a D-shaped fiber. Optics Express, 2015, 23, 20971.	1.7	22
78	Lab-on-tip based on photothermal microbubble generation for concentration detection. Sensors and Actuators B: Chemical, 2018, 255, 2504-2509.	4.0	22
79	Development of Bi/Er co-doped optical fibers for ultra-broadband photonic applications. Frontiers of Optoelectronics, 2018, 11, 37-52.	1.9	22
80	Energy transfer enhanced near-infrared spectral performance in bismuth/erbium codoped aluminosilicate fibers for broadband application. Optics Express, 2018, 26, 17889.	1.7	22
81	Fiber Ring Laser Intra-cavity Absorption Spectroscopy for Gas Sensing: Analysis and Experiment. Journal of the Optical Society of Korea, 2010, 14, 14-21.	0.6	21
82	Development of high sensitivity eight-element multiplexed fiber laser acoustic pressure hydrophone array and interrogation system. Photonic Sensors, 2017, 7, 253-260.	2.5	21
83	Near-IR luminescence characteristics of monovalent bismuth in Bi-doped pure silica optical fiber: First-principle study. Journal of Luminescence, 2018, 198, 384-388.	1.5	21
84	Pump wavelength dependence and thermal effect of photobleaching of BAC-Al in bismuth/erbium codoped aluminosilicate fibers. Optics Letters, 2018, 43, 4739.	1.7	21
85	S-band optical amplification by an internally generated pump in thulium ytterbium codoped fiber. Optics Express, 2005, 13, 3902.	1.7	20
86	Mechanically formed loss-tunable long-period fiber gratings realized on the periodic arrayed metal wires. Optics Communications, 2007, 278, 77-80.	1.0	20
87	Optimal design of NÃ—N silica multimode interference couplers â€“ an improved approach. Optics Communications, 2004, 241, 299-308.	1.0	19
88	Analysis of polarization-independent tunable optical comb filter by cascading MZI and phase modulating Sagnac loop. Optics Communications, 2011, 284, 5144-5147.	1.0	19
89	Topological Engineering of Photoluminescence Properties of Bismuthâ€•or Erbiumâ€Doped Phosphosilicate Glass of Arbitrary P₂O₅ to SiO₂ Ratio. Advanced Optical Materials, 2018, 6, 1800024.	3.6	19
90	Femtosecond laser direct writing in SiO₂â€Al₂O₃ binary glasses and thermal stability of Type II permanent modifications. Journal of the American Ceramic Society, 2020, 103, 4286-4294.	1.9	19

#	Article	IF	Citations
91	Gamma irradiation effect on Rayleigh scattering in low water peak single-mode optical fibers. Optics Express, 2011, 19, 23271.	1.7	18
92	Mapping the thermal distribution within a silica preform tube using regenerated fibre Bragg gratings. International Journal of Heat and Mass Transfer, 2012, 55, 3288-3294.	2.5	18
93	A simultaneous strain and temperature sensing module based on FBG-in-SMS. Measurement Science and Technology, 2014, 25, 055205.	1.4	18
94	Reversible photo-bleaching effect in a bismuth/erbium co-doped optical fiber under 830â€‰â€‰nm irradiation. Optics Letters, 2016, 41, 4688.	1.7	18
95	SiO₂Glass-Cladding YAP:Ce Scintillating Fiber for Remote Radiation Dosimeter. IEEE Photonics Technology Letters, 2017, 29, 251-254.	1.3	18
96	Modeling and Analysis of a Combined Stress-Vibration Fiber Bragg Grating Sensor. Sensors, 2018, 18, 743.	2.1	18
97	Magnetic Field Sensor Based on a Tri-Microfiber Coupler Ring in Magnetic Fluid and a Fiber Bragg Grating. Sensors, 2019, 19, 5100.	2.1	18
98	A sequentially bioconjugated optofluidic laser for wash-out-free and rapid biomolecular detection. Lab on A Chip, 2021, 21, 1686-1693.	3.1	18
99	Î³ irradiation induced effects on bismuth active centres and related photoluminescence properties of Bi/Er co-doped optical fibres. Scientific Reports, 2016, 6, 29827.	1.6	17
100	Etching Process Related Changes and Effects on Solid-Core Single-Mode Polymer Optical Fiber Grating. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	17
101	Resonance-enhanced all-optical modulation of WSe₂-based micro-resonator. Nanophotonics, 2020, 9, 2387-2396.	2.9	17
102	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.	2.7	17
103	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.	0.9	17
104	Optical amplification in Yb3+-codoped thulium doped silica fiber. Optical Materials, 2006, 28, 1088-1094.	1.7	16
105	Preparation techniques of metal clad fibres for corrosion monitoring of steel materials. Smart Materials and Structures, 2007, 16, 733-738.	1.8	16
106	Performance comparison of bismuth/erbium co-doped optical fibre by 830 nm and 980 nm pumping. Journal of Optics (United Kingdom), 2016, 18, 105705.	1.0	16
107	Investigation and Comparison of $varphi $ -OTDR and OTDR-Interferometry via Phase Demodulation. IEEE Sensors Journal, 2018, 18, 1501-1505.	2.4	16
108	BAC activation by thermal quenching in bismuth/erbium codoped fiber. Optics Letters, 2019, 44, 1872.	1.7	16

#	Article	IF	Citations
109	Twin-core optical fiber with large core ellipticity. Applied Optics, 1991, 30, 632.	2.1	15
110	Sensitivity Enhancement in Composite Cavity Fiber Laser Hydrophone. Journal of Lightwave Technology, 2010, 28, 1844-1850.	2.7	15
111	Simultaneous measurement of absolute strain and differential strain based on fiber Bragg grating Fabryâ€“Perot sensor. Optics Communications, 2013, 307, 101-105.	1.0	15
112	Effects of melting temperature and composition on spectroscopic properties of Er^3+-doped bismuth glasses. Optical Materials Express, 2016, 6, 279.	1.6	15
113	Luminescence properties of PbS quantum-dot-doped silica optical fibre produced via atomic layer deposition. Journal of Luminescence, 2017, 187, 201-204.	1.5	15
114	Distributed Acoustic Sensor Using Broadband Weak FBG Array for Large Temperature Tolerance. IEEE Sensors Journal, 2018, 18, 2796-2800.	2.4	15
115	Inscription of Multiple Bragg Gratings in a Single-Mode Polymer Optical Fiber Using a Single Phase Mask and Its Analysis. IEEE Sensors Journal, 2014, 14, 2384-2388.	2.4	14
116	Thermal effects on the photoelastic coefficient of polymer optical fibers. Optics Letters, 2016, 41, 2517.	1.7	14
117	Enhanced broadband near-IR luminescence and gain spectra of bismuth/erbium co-doped fiber by 830 and 980 nm dual pumping. AIP Advances, 2017, 7, .	0.6	14
118	Long Period Fiber Grating Inscribed in Hollow-Core Photonic Bandgap Fiber for Gas Pressure Sensing. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	14
119	Nanomaterial-Enhanced Fiber Optofluidic Laser Biosensor for Sensitive Enzyme Detection. Journal of Lightwave Technology, 2020, 38, 5205-5211.	2.7	14
120	Thermal Stability of Type II Modifications by IR Femtosecond Laser in Silica-based Glasses. Sensors, 2020, 20, 762.	2.1	14
121	Remote actuation of light activated shape memory polymers via D-shaped optical fibres. Smart Materials and Structures, 2020, 29, 047001.	1.8	14
122	Enhancement of lifetime in Er-doped silica optical fiber by doping Yb ions via atomic layer deposition. Optical Materials Express, 2020, 10, 397.	1.6	14
123	Optical Fiber-Integrated Metasurfaces: An Emerging Platform for Multiple Optical Applications. Nanomaterials, 2022, 12, 793.	1.9	14
124	Tunable dispersion using linearly chirped polymer optical fiber Bragg gratings with fixed center wavelength. IEEE Photonics Technology Letters, 2005, 17, 411-413.	1.3	13
125	Spectrally-overlapped chirped fibre Bragg grating sensor system for simultaneous two-parameter sensing. Measurement Science and Technology, 2007, 18, 3825-3832.	1.4	13
126	Simple and Accurate Fluorescence Lifetime Measurement Scheme Using Traditional Time-Domain Spectroscopy and Modern Digital Signal Processing. Journal of Lightwave Technology, 2016, 34, 5033-5043.	2.7	13

#	Article	IF	Citations
127	High sensitivity fiber laser geophone array and field test analysis. Measurement: Journal of the International Measurement Confederation, 2016, 79, 216-221.	2.5	13
128	Fiber-Optic Accelerometer Using Tilted Grating Inscribed in Depressed Cladding Fibers. IEEE Photonics Technology Letters, 2017, 29, 2171-2174.	1.3	13
129	Effects of thermal treatment on photoluminescence properties of bismuth/erbium co-doped optical fibers. Optical Fiber Technology, 2018, 46, 141-146.	1.4	13
130	Design and Analysis of a Combined Strainâ€“Vibrationâ€“Temperature Sensor with Two Fiber Bragg Gratings and a Trapezoidal Beam. Sensors, 2019, 19, 3571.	2.1	13
131	Ultra-wideband and flat-gain optical properties of the PbS quantum dots-doped silica fiber. Optics Express, 2019, 27, 37900.	1.7	13
132	Narrow bandpass filter using Bragg grating coupler in transmission mode. Electronics Letters, 1997, 33, 2151.	0.5	12
133	Enhancing photosensitivity in near UV/vis band by doping 9-vinylanthracene in polymer optical fiber. Optics Communications, 2013, 307, 5-8.	1.0	12
134	Dual-Mode Fiber Optofluidic Flowmeter With a Large Dynamic Range. Journal of Lightwave Technology, 2017, 35, 2156-2160.	2.7	12
135	Interferometric distributed sensing system with phase optical time-domain reflectometry. Photonic Sensors, 2017, 7, 157-162.	2.5	12
136	Liquid refractive index sensor based on a 2D 10-fold photonic quasicrystal. Journal Physics D: Applied Physics, 2017, 50, 365102.	1.3	12
137	Highly Reproducible, Isotropic Optofluidic Laser Based on Hollow Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	1.9	12
138	Tilted MoirÃ© Fiber Bragg Grating Optical Filters With Controllable Passband and Stopband. Journal of Lightwave Technology, 2010, 28, 898-904.	2.7	11
139	High-sensitivity stress sensor based on Bragg grating in BDK-doped photosensitive polymer optical fiber. Proceedings of SPIE, 2012, , .	0.8	11
140	Short cavity DFB fiber laser based vector hydrophone for low frequency signal detection. Photonic Sensors, 2017, 7, 325-328.	2.5	11
141	The Generation and Assembly of Laser-Induced Microbubbles. Journal of Lightwave Technology, 2018, 36, 2492-2498.	2.7	11
142	Pseudo Whispering Gallery Mode Optofluidic Lasing Based on Air-Clad Optical Fiber. Journal of Lightwave Technology, 2019, 37, 2623-2627.	2.7	11
143	Polymer-Coated Hollow Fiber Optofluidic Laser for Refractive Index Sensing. Journal of Lightwave Technology, 2020, 38, 1550-1556.	2.7	11
144	Accurate variational method for nonlinear fibre devices. Optics Communications, 1991, 84, 71-75.	1.0	10

#	Article	IF	Citations
145	A distributed-feedback fiber-laser-based optical fiber hydrophone system with very high sensitivity. , 2005, , .		10
146	Gain improvement by internal laser cavity in Tm3+/Yb3+-co-doped tellurite fiber amplifier pumped by 980-nm laser. Optics Express, 2006, 14, 8535.	1.7	10
147	Computational fluid dynamics modelling and optimal configuring of a channelled optical fibre photoreactor. Chemical Engineering Science, 2010, 65, 5029-5040.	1.9	10
148	Simultaneous Two-Parameter Sensing Using a Single Tilted MoirÃ© Fiber Bragg Grating With Discrete Wavelet Transform Technique. IEEE Photonics Technology Letters, 2010, 22, 1574-1576.	1.3	10
149	Performance Analysis and Design Optimization of an Intracavity Absorption Gas Sensor Based on Fiber Ring Laser. Journal of Lightwave Technology, 2011, 29, 3748-3756.	2.7	10
150	In-phase supermode selection in ring-type and concentric-type multicore fibers using large-mode-area single-mode fiber. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 924.	0.8	10
151	Spun-Related Effects on Optical Properties of Spun Silica Optical Fibers. Journal of Lightwave Technology, 2015, 33, 2674-2678.	2.7	10
152	Effect of heat treatment on absorption and fluorescence properties of PbS-doped silica optical fibre. Optical Materials, 2017, 64, 468-473.	1.7	10
153	Dynamic fiber Bragg grating sensor array with increased wavelength-division multiplexing density and low crosstalk. Optical Engineering, 2017, 56, 037101.	0.5	10
154	Influence of Ring Structures on Optical Properties of Trivalent Bismuth in Bi-Doped Silica Optical Fiber. Journal of Cluster Science, 2018, 29, 861-865.	1.7	10
155	A multi-point voltage sensing system based on PZT and FBG. International Journal of Electrical Power and Energy Systems, 2020, 117, 105607.	3.3	10
156	Spectroscopy of Pb/Bi co-doped silica optical fibers fabricated via atom layer deposition with modified chemical vapour deposition. Journal of Luminescence, 2021, 231, 117768.	1.5	10
157	Design and Analysis of a Combined FBG Sensor for the Measurement of Three Parameters. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	10
158	Analysis of narrow bandpass filter using coupler with Bragg grating in transmission. Optics Communications, 1998, 156, 27-31.	1.0	9
159	Recent development of new active optical fibres for broadband photonic applications. , 2013, , .		9
160	Twist effect and sensing of few mode polymer fibre Bragg gratings. Optics Communications, 2016, 359, 411-418.	1.0	9
161	Study of a single longitudinal fiber ring laser with a Ï€ phase-shifted fiber Bragg grating. Optics Communications, 2017, 396, 88-91.	1.0	9
162	Temperature Self-Compensated Refractive Index Sensor Based on Fiber Bragg Grating and the Ellipsoid Structure. Sensors, 2019, 19, 5211.	2.1	9

#	Article	IF	Citations
163	DC-Biased Optofluidic Biolaser for Uric Acid Detection. Journal of Lightwave Technology, 2020, 38, 1557-1563.	2.7	9
164	Seed-injected, actively Q-switched fiber ring laser using an AOM of zero-order transmission. Optics Communications, 2020, 467, 125747.	1.0	9
165	Thermally aggravated photo-bleaching of BAC-Al in bismuth/erbium co-doped optical fiber. Optics Letters, 2019, 44, 4829.	1.7	9
166	<title>Polymer optical fiber sensing</title>. , 2002, 4929, 303.		8
167	Multiplexing technique using amplitude-modulated chirped fiber Bragg gratings. Optics Letters, 2007, 32, 1887.	1.7	8
168	An in-line in-fibre ring cavity sensor for localized multi-parameter sensing. Measurement Science and Technology, 2008, 19, 065302.	1.4	8
169	Birefringent azopolymer long period fiber gratings induced by 532nm polarized laser. Optics Communications, 2009, 282, 2348-2353.	1.0	8
170	Test of spectral emission and absorption characteristics of active optical fibers by direct side pumping. Optics Express, 2012, 20, 20623.	1.7	8
171	Graded-Index Fiber Enabled Strain-Controllable Optofluidic Manipulation. IEEE Photonics Technology Letters, 2016, 28, 256-259.	1.3	8
172	Etched Polymer Fibre Bragg Gratings and Their Biomedical Sensing Applications. Sensors, 2017, 17, 2336.	2.1	8
173	Highly Sensitive Refractive Index Sensor Based on an In-Fiber Droplet-Shape Air-Cavity. IEEE Photonics Technology Letters, 2019, 31, 1347-1350.	1.3	8
174	Ultra-Thin Fiber Laser Hydrophone With Static Pressure Equalization and Improved Response. IEEE Photonics Technology Letters, 2019, 31, 1968-1970.	1.3	8
175	Conversion Mechanism From Trivalent Bismuth to Bivalent Bismuth Defect Center in Bi-Doped Silica Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-6.	1.9	8
176	3D Silica Lithography for Future Optical Fiber Fabrication. , 2019, , 637-653.		8
177	Photo-induced bleaching and thermally stimulated recovery of BAC-P in Bi-doped phosphosilicate fibers. Optics Letters, 2020, 45, 5389.	1.7	8
178	Improved Rouard's method for fiber and waveguide gratings. Optics Communications, 2000, 177, 245-250.	1.0	7
179	Experimental Investigation of Drying Shrinkage and Creep of Concrete Using Fibre-Optic Sensors. Advances in Structural Engineering, 2007, 10, 219-228.	1.2	7
180	Wavelength Drift of PMMA-Based Optical Fiber Bragg Grating Induced by Optical Absorption. IEEE Photonics Technology Letters, 2015, 27, 336-339.	1.3	7

#	Article	IF	Citations
181	Study on demodulated signal distribution and acoustic pressure phase sensitivity of a self-interfered distributed acoustic sensing system. Measurement Science and Technology, 2016, 27, 065201.	1.4	7
182	Scintillation and photoluminescence property of SiO_2 cladding YAP:Ce optical fiber via modified rod-in-tube method. Optical Materials Express, 2017, 7, 1525.	1.6	7
183	Magneto-optical properties and measurement of the novel doping silica optical fibers. Measurement: Journal of the International Measurement Confederation, 2018, 127, 63-67.	2.5	7
184	Discussion on the sensitivity of optical cables based on distributed acoustic sensing. Optical Review, 2019, 26, 659-663.	1.2	7
185	Effect of thermal treatment parameters on the spectral characteristics of BAC-Al in bismuth/erbium-codoped aluminosilicate fibers. Optics Letters, 2019, 44, 4594.	1.7	7
186	A new heterodyne fiber-optic gyroscope using electrooptic frequency shifter. Journal of Lightwave Technology, 1987, 5, 986-989.	2.7	6
187	Modified Gaussian approach for the design of optical fiber couplers of arbitrary core shapes. Applied Optics, 1991, 30, 2533.	2.1	6
188	Transverse birefringence in polymer optical fiber introduced in drawing process. , 2003, , .		6
189	Development of special polymer optical fibers and devices. , 2004, , .		6
190	Design of a single-multimode-single-mode filter demodulator for fiber Bragg grating sensors assisted by mode observation. Applied Optics, 2009, 48, 5642.	2.1	6
191	A review of spectrally coded multiplexing techniques for fibre grating sensor systems. Measurement Science and Technology, 2010, 21, 094007.	1.4	6
192	Quasi-distributed acoustic sensing based on identical low-reflective fiber Bragg gratings. Measurement Science and Technology, 2017, 28, 015202.	1.4	6
193	Systematical study of up-conversion and near infrared emission of Bi/Er co-doped optical fibre pumped at 830 nm. Optik, 2017, 133, 132-139.	1.4	6
194	Sampled fiber grating for WDM signal queuing with picosecond time interval. Optics and Laser Technology, 2017, 97, 302-307.	2.2	6
195	Atomic Structures and Electronic States of Divalent Bismuth in Bi-Doped Silica Optical Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-5.	1.9	6
196	Simultaneous Vector Bend and Temperature Sensing Based on a Polymer and Silica Optical Fibre Grating Pair. Sensors, 2018, 18, 3507.	2.1	6
197	Luminescence characterizations of YAG:Ce crystal via sol-gel method for radiotherapy. Optical Materials, 2020, 109, 110297.	1.7	6
198	Endless Single-Mode Photonics Crystal Fiber Metalens for Broadband and Efficient Focusing in Near-Infrared Range. Micromachines, 2021, 12, 219.	1.4	6

#	Article	IF	Citations
199	Dynamics study of thermal activation of BAC-Si in bismuth/erbium-codoped optical fiber. Optics Letters, 2020, 45, 571.	1.7	6
200	Effects of quenching and cooling upon near infrared luminescence of Bi/Er co-doped optical fiber. Optical Materials Express, 2019, 9, 3156.	1.6	6
201	Thermal-induced luminescence enhancement of BAC-P in bismuth-doped phosphogermanosilicate fibers. Optics Letters, 2020, 45, 1152.	1.7	6
202	All-optical fibre devices using polarization ellipse rotation. Optical and Quantum Electronics, 1990, 22, 343-350.	1.5	5
203	Intensity-dependent Phase Shifts in Nonlinear Coupling Devices. Journal of Modern Optics, 1990, 37, 353-365.	0.6	5
204	Coupling in Optical Fibres Determined by Improved Variational Approximation. Journal of Modern Optics, 1991, 38, 2423-2427.	0.6	5
205	<title>Polymer optical fiber photosensitivity and highly tunable optical fiber Bragg grating</title>. , 2000, 4110, 123.		5
206	Optical properties of a nonlinear p -phenylenevinylene oligomer side chain polymer in films and fiber preforms. , 2002, 4798, 87.		5
207	Novel approach to design high-performance large-port-count switches in low-index-contrast materials based on cascaded multimode interference couplers. IEEE Journal of Quantum Electronics, 2005, 41, 1548-1551.	1.0	5
208	Passband optimisation for hybrid 40G/100G system using tunable asymmetric interleaver. , 2010, , .		5
209	Analysis of multimode BDK doped POF gratings for temperature sensing. Optics Communications, 2012, 285, 4353-4358.	1.0	5
210	Acquisition of phase-shift fiber grating spectra with 235 femtometer spectral resolution using DFB-LD. Optics Express, 2013, 21, 31540.	1.7	5
211	Microstructured Fiber Sealed-Void Interferometric Humidity Sensor. IEEE Sensors Journal, 2014, 14, 1154-1159.	2.4	5
212	Hydrostatic pressure sensitivity of standard polymer fibre Bragg gratings and etched polymer fibre Bragg gratings. Proceedings of SPIE, 2014, , .	0.8	5
213	Simultaneous force and temperature measurement using optical microfiber asymmetrical interferometer. Photonic Sensors, 2014, 4, 242-247.	2.5	5
214	Structure formation dynamics in drawing silica photonic crystal fibres. Frontiers of Optoelectronics, 2018, 11, 69-76.	1.9	5
215	Radiation-induced reversible thermal effect in Er³⁺/Yb³⁺-codoped silica fibers. Optics Letters, 2018, 43, 3385.	1.7	5
216	Conversion mechanisms of peroxy linkage defect in silica optical fiber. Journal of Non-Crystalline Solids, 2018, 498, 103-108.	1.5	5

#	Article	IF	Citations
217	Geometric and optical properties of Bi/Er co-doped silica optical fiber. Optical Materials, 2020, 107, 110030.	1.7	5
218	Co-doping effect of lead or erbium upon the spectroscopic properties of bismuth doped optical fibres. Journal of Luminescence, 2021, 230, 117726.	1.5	5
219	Effect of pump wavelength and temperature on the spectral performance of BAC-Al in bismuth-doped aluminosilicate fibers. Optics Letters, 2019, 44, 634.	1.7	5
220	Impact of Al₂O₃ doping on Bi active center photobleaching in Bi/Er-codoped fibers. Optics Letters, 2020, 45, 4016.	1.7	5
221	Helical distributed feedback fiber Bragg gratings and rocking filters in a 3D printed preform-drawn fiber. Optics Letters, 2020, 45, 5444.	1.7	5
222	Annealing Effects on Optical Losses in 3D-Printed Silica Fiber. IEEE Photonics Technology Letters, 2022, 34, 199-202.	1.3	5
223	Dosimeter Based on YAG: Ce Phosphor via Sol-Gel Method for Online X-ray Radiation Monitoring. Crystals, 2021, 11, 1567.	1.0	5
224	Intensity noise characteristics of lasers in fiber-optic gyroscopes. Optics Letters, 1987, 12, 434.	1.7	4
225	Dynamics and threshold behavior in polymer fiber Bragg grating creation. , 2002, 4803, 164.		4
226	Spectrally-coded multiplexing in a strain sensor system based on carrier-modulated fiber Bragg gratings. , 2005, 5634, 204.		4
227	Modeling S and C-band optical amplification in thulium and erbium codoped fluoride fiber. Optics Communications, 2006, 263, 84-90.	1.0	4
228	A mesoporous SiO2 intermediate layer for improving light propagation in a bundled tube photoreactor. Chemical Engineering Science, 2011, 66, 3641-3647.	1.9	4
229	Developing new active optical fibres with broadband emissions. , 2013, , .		4
230	Gamma Radiation-Induced Formation of Bismuth Related Active Centre in Bi/Er/Yb Co-doped Fibre. , 2015, , .		4
231	Observing the Viscous Relaxation Process of Silica Optical Fiber at ~1000 Â°C Using Regenerated Fiber Bragg Grating. Sensors, 2019, 19, 2293.	2.1	4
232	Broadband Light Amplitude Tuning Characteristics of SnSe₂ Coated Microfiber. Journal of Lightwave Technology, 2020, 38, 6089-6096.	2.7	4
233	Thermal Stability of Type II Modifications Inscribed by Femtosecond Laser in a Fiber Drawn from a 3D Printed Preform. Applied Sciences (Switzerland), 2021, 11, 600.	1.3	4
234	Characterization of YAG:Ce phosphor dosimeter by the co-precipitation method for radiotherapy. Applied Optics, 2021, 60, 3044.	0.9	4

#	Article	IF	Citations
235	Annealing Effects on Bismuth Active Centers in Bi/Er Co-doped Fiber. , 2016, , .		4
236	Bismuth and Erbium Co-doped Optical Fiber for a White Light Fiber Source. Optics and Photonics Journal, 2013, 03, 175-178.	0.3	4
237	Time-resolved emission characteristics of Bi/Er codoped fiber for ultra-broadband applications. , 2013, , .		4
238	Compact Tri-FFPI sensor for measurement of ultrahigh temperature, vibration acceleration, and strain. Optics Express, 2022, 30, 5953.	1.7	4
239	Silica optical fibre fabrication via 3D printing technology: material processing and related issues. European Physical Journal: Special Topics, 2022, 231, 631-642.	1.2	4
240	Non-Intrusive Pipeline Flow Detection Based on Distributed Fiber Turbulent Vibration Sensing. Sensors, 2022, 22, 4044.	2.1	4
241	Preparation of polymer optical fibers doped with nonlinear optical active organic chromophores. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1794-1801.	2.4	3
242	Electro-optic polymer optical fibers and their device applications. , 2002, 4459, 101.		3
243	Multiplexed MoirÃ‰ Long Period Grating Temperature Sensors. Journal of Lightwave Technology, 2008, 26, 3173-3180.	2.7	3
244	Optimizing the data acquisition rate for a remotely controllable structural monitoring system with parallel operation and self-adaptive sampling. Smart Materials and Structures, 2011, 20, 065012.	1.8	3
245	Analysis of viscoelasticity of POF gratings in the stress sensing. Optics Communications, 2013, 308, 175-181.	1.0	3
246	Fabricating Nanoporous Silica Structure on D-Fibres through Room Temperature Self-Assembly. Materials, 2014, 7, 2356-2369.	1.3	3
247	A four-element sensor array consisting of asymmetric distributed-feedback fiber lasers. Photonic Sensors, 2014, 4, 180-187.	2.5	3
248	Experimental research on multi-wavelength FBG fabrication based on multiple exposure. Photonic Sensors, 2015, 5, 273-277.	2.5	3
249	Characterization and assessment of multiple bismuth active centres in Bi/Er doped fiber. , 2015, , .		3
250	Asymmetric transmission and reflection spectra of FBG in single-multi-single mode fiber structure. Optics Express, 2015, 23, 11665.	1.7	3
251	Simultaneous measurement of both magnetic field strength and temperature with a microfiber coupler based fiber laser sensor. Proceedings of SPIE, 2017, , .	0.8	3
252	Temperature properties and potential temperature sensor based on the Bismuth/Erbium co-doped optical fibers. , 2017, , .		3

#	Article	IF	Citations
253	Effects of fiber Bragg grating design on dual-grating demodulation performance. Journal Physics D: Applied Physics, 2018, 51, 495102.	1.3	3
254	Effects of Post Treatments on Bismuth-Doped and Bismuth/ Erbium Co-doped Optical Fibres. , 2018, , .		3
255	Electronic and luminescence characteristics of Bi/Al co-doped silica optical fiber. Modern Physics Letters B, 2019, 33, 1950325.	1.0	3
256	Distributed Measurement of Regeneration Ratios of an Apodized Type I Fiber Bragg Grating. Journal of Lightwave Technology, 2019, 37, 6127-6132.	2.7	3
257	Spectroscopic properties of bismuth/erbium co-doped fiber at room temperature and liquid nitrogen temperature. Optical Materials Express, 2019, 9, 3604.	1.6	3
258	Electron beam irradiation and thermal-induced effects on the spectral properties of BAC-Al in Bi/Er codoped aluminosilicate fibers. Optical Materials Express, 2019, 9, 4287.	1.6	3
259	Additive Manufacturing Fiber Preforms for Structured Silica Fibers with Bismuth and Erbium Dopants. Light Advanced Manufacturing, 2022, 3, 1.	2.2	3
260	Nonlinear optical fibre couplers at near-critical powers. Optics Communications, 1989, 73, 75-80.	1.0	2
261	Processing techniques for compensating for multiple scattering in TDM and other spectrally shadowed multiplexing systems. Proceedings of SPIE, 2008, , .	0.8	2
262	DFB fiber laser hydrophone based on a intensity demodulation. , 2010, , .		2
263	Composite cavity fiber laser sensors based on weak feedback. Applied Optics, 2011, 50, 5059.	2.1	2
264	Applications of Discrete Wavelet Transform in Optical Fibre Sensing. , 0, , .		2
265	Regenerated fibre Bragg gratings used to map internal reaction temperatures of a modified chemical vapour deposition (MCVD) optical fibre preform lathe. Proceedings of SPIE, 2011, , .	0.8	2
266	Improved low concentration gas detection system based on intracavity fiber laser. Review of Scientific Instruments, 2011, 82, 023104.	0.6	2
267	Progressive failure monitoring of E-glass/vinylester curve composites using embedded FBG sensors. , 2012, , .		2
268	Development and application of subminiature multipoint FBG displacement sensor. Proceedings of SPIE, 2012, , .	0.8	2
269	All-Fiber Optic Humidity Sensor Based on Photonic Bandgap Fiber and Digital WMS Detection. IEEE Sensors Journal, 2013, 13, 1817-1823.	2.4	2
270	Field test of a DFB fiber laser geophone system. Proceedings of SPIE, 2013, , .	0.8	2

#	Article	IF	Citations
271	A fluorescence study of self-assembled silica layers on D-shaped optical fibre. , 2013, , .		2
272	Influence of Gamma-ray irradiation on the spectral properties of Bi-doped silica fibers. , 2014, , .		2
273	High temperature assessment of an Er3+/Yb3+co-doped phosphosilicate optical fibre for lasers, amplifiers and sensors. , 2015, , .		2
274	Sampled fiber gratings for picosecond time delay signal processing. Optics and Laser Technology, 2018, 105, 52-57.	2.2	2
275	Spun High Birefringence Bismuth/Erbium Co-Doped Photonic Crystal Fibre with Broadband Polarized Emission. , 2018, , .		2
276	Spectroscopic study of the radiation hardening of bismuth/erbium co-doped optical fiber (BEDF) by hydrogen loading. Optical Materials, 2019, 95, 109246.	1.7	2
277	Electronic and optical properties of Ge-doped silica optical fiber. Modern Physics Letters B, 2019, 33, 1950150.	1.0	2
278	Ionizing Radiation Effect upon Er/Yb Co-Doped Fibre Made by In-Situ Nano Solution Doping. Journal of Lightwave Technology, 2020, 38, 6334-6344.	2.7	2
279	Joint-peaks demodulation method based on multireflection peaks of a few-mode fiber Bragg grating for reducing sensing error. Optics Express, 2021, 29, 4422.	1.7	2
280	Impact of Thermal Quenching on Bi Active Center Photostability in Bi/Er Co-Doped Fiber. IEEE Photonics Technology Letters, 2021, 33, 167-170.	1.3	2
281	Pressure Effects on Structured Optical Fibre Drawing by Modified Single-Capillary Modelling. Optical Fiber Technology, 2021, 63, 102528.	1.4	2
282	Enhanced Gamma Radiation Effect in Bi/Er Co-Doped Optical Fibre by Co-Doping Yb. , 2016, , .		2
283	Spectral characteristics of Bi/Er co-doped silica fiber fabricated by atomic layer deposition (ALD). , 2015, , .		2
284	Optical Gain Characteristics of Pb/Bi Co-doped Silica-based Optical Fiber. , 2017, , .		2
285	Polymer Optical Fibers. , 2019, , 1-51.		2
286	All-Optical Tuning of Light in WSe2-Coated Microfiber. Nanoscale Research Letters, 2019, 14, 353.	3.1	2
287	Thermal bleaching of BACs in bismuth/erbium co-doped fiber fabricated through 3D silica lithography. Optics Letters, 2020, 45, 3729.	1.7	2
288	Influence of liquid nitrogen cooling on the spectral performance of BAC-P in bismuth-doped phosphosilicate fibers under liquid nitrogen temperature. Optical Materials Express, 2020, 10, 3235.	1.6	2

#	Article	IF	Citations
289	Influence of ring structures on luminescence properties of trivalent cerium in Ge-doped silica optical fiber. Journal of Non-Crystalline Solids, 2022, 576, 121251.	1.5	2
290	Effects of Gamma and Electron Beam Irradiation on FBG and DFB-FL. Journal of Physics: Conference Series, 2021, 2112, 012005.	0.3	2
291	Effects of nonlinear mode field changes in optical switching using directional couplers. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 1341.	0.9	1
292	Photosensitivities in germanium-doped planar waveguides and dye-doped polymer optical fibers. , 1998, , .		1
293	Prospects of polymer optical fibres and gratings in sensing. , 0, , .		1
294	Layout considerations for 2D planar waveguide OXC with integrated lens pair. , 2004, , .		1
295	Improved design approach for silica-based multimode interference devices. , 2005, , .		1
296	A simple strain sensor using polymer fiber Bragg grating and long-period fiber grating. , 2005, , .		1
297	Intra-cavity absorption gas sensors using wavelength modulation and wavelength sweep. , 2008, , .		1
298	Fiber Bragg gratings with refractive index direct current component modulation. , 2008, , .		1
299	An in-line in-fibre ring cavity multi-parameter sensor with a tuneable refractive index response. Proceedings of SPIE, 2008, , .	0.8	1
300	Spectrally coded multiplexing for fibre grating sensor systems. , 2009, , .		1
301	Intensity-type vibration sensor based on multiple subchannels sensing scheme. , 2011, , .		1
302	Bragg gratings in few-mode Er/Al/Bi/P Co-doped germanosilicate ring-core fibre. Proceedings of SPIE, 2012, , .	0.8	1
303	Strain response of POF sensors. , 2012, , .		1
304	Application of fiber grating-based acoustic sensor in progressive failure testing of e-glass/vinylester curve composites. , 2012, , .		1
305	Long-period gratings in special geometry fibers for high-resolution and selective sensors. Optical Engineering, 2014, 53, 066109.	0.5	1
306	External optical feedback effects on stability of asymmetric DFB-FL and isolation method. Journal of Modern Optics, 2014, 61, 973-979.	0.6	1

#	Article	IF	Citations
307	Characteristics research on self-amplified distributed feedback fiber laser. Photonic Sensors, 2014, 4, 265-268.	2.5	1
308	Experimental study on dual-wavelength distributed feedback fiber laser. Photonic Sensors, 2014, 4, 225-229.	2.5	1
309	Highly Sensitive Liquid Level Sensor using a Polymer Optical Bragg Grating for Industrial Applications. , 2015, , .		1
310	Air-structured optical fibre drawn from a 3D-printed preform. , 2015, , .		1
311	High performance liquid level monitoring system based on polymer fiber Bragg gratings embedded in silicone rubber diaphragms. , 2015, , .		1
312	Polymer fiber Bragg grating force sensors for minimally invasive surgical devices. Proceedings of SPIE, 2015, , .	0.8	1
313	High-sensitivity polymer fibre Bragg grating sensor for biomedical applications. , 2016, , .		1
314	Phase-OTDR based on space difference of Rayleigh backscattering. , 2016, , .		1
315	Multi-wavelength narrow linewidth fiber laser based on distributed feedback fiber lasers. Photonic Sensors, 2016, 6, 256-260.	2.5	1
316	Effects of quenching, irradiation, and annealing processes on the radiation hardness of silica fiber cladding materials (I). Optical Fiber Technology, 2016, 30, 95-99.	1.4	1
317	High Sensitivity Polymer Fibre Bragg Grating Sensors and Devices. Springer Series in Materials Science, 2016, , 289-314.	0.4	1
318	An amplified distributed feedback fiber laser for distributed and interference sensing. Proceedings of SPIE, 2017, , .	0.8	1
319	Phase and frequency noise measurement using passive self-homodyne technique. Optical Engineering, 2017, 56, 066106.	0.5	1
320	Influence of linear birefringence on Faraday effect measurement for optical fibers. Optoelectronics Letters, 2017, 13, 147-150.	0.4	1
321	Thermal Properties of Luminescence in Bismuth/Erbium Co-Doped Optical Fibre. , 2018, , .		1
322	Irreversible Photobleaching of BAC-Si in Bi/Er Co-Doped Optical Fiber under 830 nm Pumping. , 2019, , .		1
323	Pump-induced photobleaching and thermal dependent recovery of BAC-Si in Bi/Er co-doped optical fiber by 830Ânm laser irradiation. Optics Communications, 2020, 476, 126319.	1.0	1
324	A Comparative Study of Thermal Impact on Erbium Doped Distributed Feedback Fiber Laser Output Power. IEEE Photonics Journal, 2020, 12, 1-9.	1.0	1

#	Article	IF	Citations
325	Quantitative Measurement of Î³-Ray and e-Beam Effects on Fiber Rayleigh Scattering Coefficient. Photonic Sensors, 2021, 11, 298.	2.5	1
326	Polymer Optical Fibers. , 2019, , 967-1017.		1
327	Refractive index sensor based on multimode interference in a twin-hole fiber. Optical Engineering, 2020, 59, .	0.5	1
328	Blue Up-Conversion and Near Infrared (NIR) Emission of Bi/Er Co-Doped Fibre (BEDF) under 830 nm Pumping. , 2016, , .		1
329	Silica Optical Fibres based on 3D Printing Technologies. , 2021, , .		1
330	Experimental study of the thermal properties of Moir long period gratings. Proceedings of SPIE, 2007, , .	0.8	1
331	Distributed acoustic sensing network with identical weak fiber Bragg gratings. , 2016, , .		1
332	Inscription and improvement of novel fiber Bragg gratings by 800 nm femtosecond laser through a phase mask. , 2016, , .		1
333	Absorption and Microstructure Properties Calculated of Er-doped Silica Fiber Based on DFT Theory. , 2016, , .		1
334	Study on Vibration Isolation Packaging of Distributed Feedback Fiber Laser. , 2016, , .		1
335	Temperature-insensitive Refractive Index Sensing Based on W-type Fiber Grating. , 2017, , .		1
336	A high sensitivity fiber Bragg grating seismic system and oil exploration test. , 2018, , .		1
337	Ionising Radiation Induced Effects on Bismuth/Erbium Co-Doped Optical Fibres. , 2018, , .		1
338	Fabrication and Characterization of Birefringent Bismuth and Erbium Co-Doped Photonic Crystal Fiber for Broadband Polarized Near Infrared Emission. , 2019, , .		1
339	3D Silica Lithography for Future Optical Fiber Fabrication. , 2019, , 1-17.		1
340	3D Printed Silica Optical Fibre - a â€œGame Changerâ€•Technology in Optical Fibre Manufacture. , 2020, , .		1
341	Finger Bending Sensing Based on Series-Connected Fiber Bragg Gratings. Materials, 2022, 15, 3472.	1.3	1
342	Enhanced backscattering from organic laser gain media bounded with rough gold films. Applied Optics, 2001, 40, 4236.	2.1	0

#	Article	IF	Citations
343	A new recursion method for fiber grating analysis. Microwave and Optical Technology Letters, 2001, 31, 308-313.	0.9	0
344	Optimization of 40-Gb/s amplified dispersion-managed system for various launch power and fiber length. , 2002, 4906, 407.		0
345	Pole-zero diagram approach to the design of coupled ring resonator arrays for photonic applications. , 2003, 5181, 33.		0
346	Modeling laser-diode-pumped Tm3+-doped fiber amplifiers. Optoelectronics Letters, 2005, 1, 33-36.	0.4	0
347	New Criterion for Designing Silica Multimode Interference Power Splitters. Fiber and Integrated Optics, 2005, 24, 501-509.	1.7	0
348	Enhancement of signal-noise-ratio in a distributed polarization mode coupling detection system. Optoelectronics Letters, 2007, 3, 57-61.	0.4	0
349	The influence of Fabry-Perot tunable filter on dynamic strain sensing system. Proceedings of SPIE, 2008, , .	0.8	0
350	Intra-cavity absorption sensors for gas detection using wavelength sweep technique. , 2008, , .		0
351	Multiplexing technique using amplitude-modulated chirped fibre Bragg gratings with applications in two-parameter sensing. Proceedings of SPIE, 2008, , .	0.8	0
352	Long cavity length composite cavity fibre laser with single longitudinal mode and narrow linewidth. Proceedings of SPIE, 2008, , .	0.8	0
353	Strain related characteristics of composite cavity fibre lasers. Proceedings of SPIE, 2008, , .	0.8	0
354	Thin gas cell with GRIN fiber lens for intra-cavity fiber laser gas sensors. , 2009, , .		0
355	A simple method for modeling group delay characteristic of chirped fiber Bragg grating with effective index modulation. , 2009, , .		0
356	Mode competition in concentric-type multicore fiber lasers combined with large mode area single mode fiber. , 2010, , .		0
357	The ultra-weak feedback effect of DBR fiber laser and its sensing applications. , 2010, , .		0
358	Internal reaction temperatures of a modified chemical vapour deposition (MCVD) optical fibre perform lathe dynamically measured with regenerated fibre Bragg gratings. , 2010, , .		0
359	Gas detection techniques with fiber optical spectrum absorption at near-IR wavelength. Proceedings of SPIE, 2010, , .	0.8	0
360	Hydrophone based on the feedback effect of composite cavity optical fiber laser. , 2010, , .		0

#	Article	IF	Citations
361	Performance investigation of erbium-doped fiber ring laser for intra-cavity absorption gas detection. , 2012, , .		0
362	Dual-π-phase-shift distributed fiber laser for strain sensing. Proceedings of SPIE, 2012, , .	0.8	0
363	Experimental and technical research on fiber Bragg grating vibration measuring based on two matching gratings demodulation. Proceedings of SPIE, 2012, , .	0.8	0
364	Study on the all-fiber wind direction sensor and its application. Proceedings of SPIE, 2012, , .	0.8	0
365	Online fabrication of compact and asymmetrical DFB fiber laser. Proceedings of SPIE, 2012, , .	0.8	0
366	Etched singlemode polymer fiber Bragg gratings for high sensitivity tensile force measurements. , 2012, , .		0
367	High performance four-element DFB fiber laser hydrophone array system. Proceedings of SPIE, 2012, , .	0.8	0
368	Fiber laser sensor interrogation system development and test. Proceedings of SPIE, 2012, , .	0.8	0
369	Distributed feedback fiber laser strain sensor with high sensitivity in a wide frequency range. , 2012, , .		0
370	Study of DFB fiber laser intensity noise and its suppression. Proceedings of SPIE, 2012, , .	0.8	0
371	Characteristics research of self-amplified distributed feedback fiber laser. , 2013, , .		0
372	Dual-wavelength distributed feedback fiber laser with dual symmetrical Ï€ phase shifts. , 2013, , .		0
373	Exploring the room temperature self-assembly of silica nanoparticle layers on optical fibres. Proceedings of SPIE, 2013, , .	0.8	0
374	The nanostructure of silica microfibers fabricated by microfluidic self-assembly. Proceedings of SPIE, 2013, , .	0.8	0
375	Fabrication and characterization of a polymer micro-fiber Bragg grating. , 2013, , .		0
376	Analysis on intensity demodulated strain sensing based on multiple phase-shifted FBG. Proceedings of SPIE, 2014, , .	0.8	0
377	Carbon fibre-foam sandwich composite laminate embedded with fiber Bragg grating sensors. , 2014, , .		0
378	Effective bandgap calculation of photonic crystals with sector scatterers. International Journal of Nanotechnology, 2015, 12, 876.	0.1	0

#	Article	IF	Citations
379	Polymer Fibre Bragg Gratings and Sensing. , 2015, , .		0
380	Simultaneous strain and temperature measurement with enhanced intrinsic sensitivity using etched polymer fibre Bragg gratings. Proceedings of SPIE, 2015, , .	0.8	0
381	Thermo-optic coefficient dependent temperature sensitivity of FBG-in-SMS based sensor. Proceedings of SPIE, 2015, , .	0.8	0
382	Reflective refractometer based on strong optical coupling between a tilted fiber Bragg grating and a parallel D-shaped fiber. Proceedings of SPIE, 2015, , .	0.8	0
383	Optical manipulation of single microparticle for microfluidic flow rate sensing. Proceedings of SPIE, 2015, , .	0.8	0
384	Photoluminescence spectral characteristics of Pb/Bi co-doped silica fiber. , 2016, , .		0
385	Phase-shifted gratings and negative-index gratings fabricated by 800 nm femtosecond laser overexposure. , 2016, , .		0
386	A High Sensitivity Three-Component Fiber Laser Seismic System. , 2016, , .		0
387	Fiber Optic Pressure and Temperature Sensor with Bourdon Tube for Downhole Application. , 2016, , .		0
388	Highly sensitive fiber-optic accelerometer by using grating inscription in depressed cladding fibers. , 2016, , .		0
389	Fiber optic pressure and temperature monitoring system for downhole application. , 2016, , .		0
390	Dual-mode optofluidic flow rate sensor. , 2017, , .		0
391	Vector bend sensing based on polymer and silica fiber Bragg gratings. , 2017, , .		0
392	Optical Fiber Microfluidic Sensors Based on Opto-physical Effects. , 2018, , 1-35.		0
393	Effect of the Yb³⁺ on fluorescence lifetime of Er-doped silica optical fiber. , 2018, , .		0
394	Influence of Gamma-ray irradiation on the fluorescence lifetime of Bi/Er co-doped fibers. , 2018, , .		0
395	Annealing Effcts on Luminescence Efficiency of Crystal Scintillation Optical Fiber for Radiotherapy. , 2018, , .		0
396	Field test of a 16 channel high sensitivity FBG geophone array. Journal of Physics: Conference Series, 2018, 1065, 252014.	0.3	0

#	Article	IF	Citations
397	Temperature Dependence of Cutoff Wavelength in Bi/Er Co-Doped Fiber. , 2018, , .		0
398	Topological Engineering of Glass Structures: Topological Engineering of Photoluminescence Properties of Bismuth- or Erbium-Doped Phosphosilicate Glass of Arbitrary P2 O5 to SiO2 Ratio (Advanced Optical Materials 13/2018). Advanced Optical Materials, 2018, 6, 1870051.	3.6	0
399	A special issue on Optoelectronics in Australia. Frontiers of Optoelectronics, 2018, 11, 1-1.	1.9	0
400	Dilute Bismuth Optical Fibers. Springer Series in Materials Science, 2019, , 381-395.	0.4	0
401	Optical Fiber Microfluidic Sensors Based on Opto-physical Effects. , 2019, , 1-35.		0
402	Enhanced Photoluminescence of Bi/Er Co-doped Fiber by Quenching and Cooling under 830 nm Pumping. , 2019, , .		0
403	Response to comment on â€œNear-IR luminescence characteristics of monovalent bismuth in Bi-doped pure silica optical fiber: First-principle studyâ€. Journal of Luminescence, 2019, 207, 636-639.	1.5	0
404	Birefringence Measurement by Expandable Polarization Interference Method. Journal of Lightwave Technology, 2020, 38, 834-839.	2.7	0
405	BAC Photobleaching in Bismuth-Doped and Bismuth/Erbium Co-Doped Optical Fibers. , 0, , .		0
406	Experimental Study on Brillouin Erbium Fiber Laser: Configuration and Characteristics. Journal of Russian Laser Research, 2020, 41, 250-257.	0.3	0
407	Terahertz Polarization-Maintaining Filter for Dispersion Compensation. , 2021, , .		0
408	Reversible Photo-Bleaching Effect in Bi/Er Co-Doped Optical Fiber. , 2016, , .		0
409	Reconfigurable optical microbubble-on-tip sensor for microfluidic applications. , 2016, , .		0
410	Etched Polymer Fibre Bragg Gratings. , 2016, , .		0
411	Polarization-dependent phase-shifted fiber Bragg gratings inscribed by femtosecond laser overexposure. , 2016, , .		0
412	Investigation of Unsaturable Absorption and Excited State Absorption on Bi/ Er Co-doped Fibers. , 2016, , .		0
413	Broadband Near Infrared (NIR) Luminescence Spectra of Bi/Er Co-Doped Silicate Fiber (BEDF) under 830 and 980nm Dual Pumping. , 2017, , .		0
414	High sensitive bend sensor based on a fiber Bragg grating and ellipsoid structure. , 2017, , .		0

#	Article	IF	Citations
415	Environmental and reliability test of FBG based geophone as geophysical exploration instrument. , 2017, , .		0
416	Experimental investigation of thermal characteristics of erbium doped distributed feedback fiber laser output power. , 2017, , .		0
417	Dynamic behavior of pump light radiation induced photo-bleaching effect on BAC-Si in bismuth/erbium co-doped optical fibers. , 2018, , .		0
418	Enhancement of plasma resonance in a Hi-Bi D-shaped photonic crystal fiber SPR sensor. , 2018, , .		0
419	Optical Fiber Microfluidic Sensors Based on Opto-physical Effects. , 2019, , 2283-2317.		0
420	Development of three-component fiber laser geophone array system and field test analysis. , 2019, , .		0
421	Laser polarization characteristics from phase-shifted grating inscribed by polarized ultraviolet Argon laser. , 2019, , .		0
422	Ultra-narrow linewidth Brillouin-erbium fiber laser pumped by distributed feedback fiber laser. , 2019, , .		0
423	A Study in Distinguishing BAC-Si Activation from Thermal Darkening in Bi/Er Co-doped Fiber at High Temperature. , 2020, , .		0
424	Radiation Effect on Optical Properties of Bi-Related Materials Co-Doped Silica Optical Fibers. , 0, , .		0
425	Disposable fiber laser biosensor for statistical analysis of protein concentration. , 2021, , .		0
426	Topological Design and Fabrication of Bi, Er and Yb Co-Doped Optical Fibre with Flat Ultrabroad Emission. , 2020, , .		0
427	The impact of the quenching speed on BAC-Si photostability in Bi/Er co-doped fiber. , 2020, , .		0
428	Thermal treatment effect on BAC-Al in 3D printed bismuth/erbium co-doped optical fibre. , 2020, , .		0
429	Study on photostability of BACs in Bi/Er co-doped fibre at various laser wavelengths. , 2020, , .		0
430	Wash-out-free fiber optofluidic laser by sequential bio-conjugation. , 2020, , .		0
431	Correction to â€œBroadband Light Amplitude Tuning Characteristics of SnSe₂ Coated Microfiberâ€•[Nov 20 6089-6096]. Journal of Lightwave Technology, 2022, 40, 4058-4058.	2.7	0
432	Additive Manufacturing of Optical Waveguides. , 0, , .		0