Tao Zhu

List of Publications by Year
in descending order

242	6,240	57758	85541
papers	citations	44 h-index	71 g-index

244	244	244	4255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel fiber-optic sensors based on long-period fiber gratings written by high-frequency CO/sub 2/ laser pulses. Journal of Lightwave Technology, 2003, 21, 1320-1327.	4.6	337
2	Micro Fabry-Perot interferometers in silica fibers machined by femtosecond laser. Optics Express, 2007, 15, 14123.	3.4	243
3	Distributed Vibration Sensor Based on Coherent Detection of Phase-OTDR. Journal of Lightwave Technology, 2010, , .	4.6	168
4	High Sensitivity Distributed Vibration Sensor Based on Polarization-Maintaining Configurations of Phase-OTDR. IEEE Photonics Technology Letters, 2011, 23, 1091-1093.	2.5	168
5	Modulated pulses based distributed vibration sensing with high frequency response and spatial resolution. Optics Express, 2013, 21, 2953.	3.4	159
6	In-line fiber Fabry-Perot refractive-index tip sensor based on endlessly photonic crystal fiber. Sensors and Actuators A: Physical, 2008, 148, 33-38.	4.1	153
7	Refractive index sensing based on Machâ€“Zehnder interferometer formed by three cascaded single-mode fiber tapers. Applied Optics, 2011, 50, 1548.	2.1	143
8	In-Line Fiber Optic Interferometric Sensors in Single-Mode Fibers. Sensors, 2012, 12, 10430-10449.	3.8	128
9	All-inorganic perovskite CsPb(Br/I)₃nanorods for optoelectronic application. Nanoscale, 2016, 8, 15158-15161.	5.6	123
10	Microbubble based fiber-optic Fabryâ€“Perot interferometer formed by fusion splicing single-mode fibers for strain measurement. Applied Optics, 2012, 51, 1033.	1.8	121
11	Highly sensitive bend sensor based on Machâ€“Zehnder interferometer using photonic crystal fiber. Optics Communications, 2011, 284, 2849-2853.	2.1	113
12	All Single-Mode Fiber Machâ€“Zehnder Interferometer Based on Two Peanut-Shape Structures. Journal of Lightwave Technology, 2012, 30, 805-810.	4.6	110
13	Fabryâ€“Perot optical fiber tip sensor for high temperature measurement. Optics Communications, 2010, 283, 3683-3685.	2.1	108
14	Enhancement of SNR and Spatial Resolution in $varphi$-OTDR System by Using Two-Dimensional Edge Detection Method. Journal of Lightwave Technology, 2013, 31, 2851-2856.	4.6	108
15	In-line fiber-optic etalon formed by hollow-core photonic crystal fiber. Optics Letters, 2007, 32, 2662.	3.3	100
16	All-inorganic CsPbBr₃ perovskite quantum dots as a photoluminescent probe for ultrasensitive Cu²⁺ detection. Journal of Materials Chemistry C, 2018, 6, 4793-4799.	5.5	98
17	Novel long-period fiber gratings written by high-frequency CO2 laser pulses and applications in optical fiber communication. Optics Communications, 2004, 229, 209-221.	2.1	92
18	In-fiber Machâ€“Zehnder interferometer formed by large lateral offset fusion splicing for gases refractive index measurement with high sensitivity. Sensors and Actuators B: Chemical, 2011, 160, 1198-1202.	7.8	85

#	Article	IF	Citations
19	Glass Structure Changes in CO$_{2}$-Laser Writing of Long-Period Fiber Gratings in Boron-Doped Single-Mode Fibers. Journal of Lightwave Technology, 2009, 27, 857-863.	4.6	81
20	Highly sensitive fiber-optic torsion sensor based on an ultra-long-period fiber grating. Optics Communications, 2006, 266, 187-190.	2.1	78
21	Refractive index measurement using photonic crystal fiber-based Fabry-Perot interferometer. Applied Optics, 2010, 49, 1593.	2.1	78
22	High sensitivity gas refractometer based on all-fiber open-cavity Fabryâ€“Perot interferometer formed by large lateral offset splicing. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 912.	2.1	78
23	Simultaneous measurement of refractive index and temperature using a single ultralong-period fiber grating. IEEE Photonics Technology Letters, 2005, 17, 2700-2702.	2.5	74
24	Experimental study on stimulated Rayleigh scattering in optical fibers. Optics Express, 2010, 18, 22958.	3.4	69
25	All fiber magnetic field sensor with Ferrofluid-filled tapered microstructured optical fiber interferometer. Optics Express, 2015, 23, 20668.	3.4	69
26	Nitrogen doped graphene quantum dots as a fluorescent probe for mercury(II) ions. Mikrochimica Acta, 2019, 186, 140.	5.0	64
27	Tunable dual-wavelength fiber laser with ultra-narrow linewidth based on Rayleigh backscattering. Optics Express, 2016, 24, 1324.	3.4	62
28	Torsion sensing with a fiber ring laser incorporating a pair of rotary long-period fiber gratings. Optics Communications, 2011, 284, 5299-5302.	2.1	61
29	Highly sensitive refractive index sensor based on two cascaded special long-period fiber gratings with rotary refractive index modulation. Applied Optics, 2011, 50, 4604.	2.1	58
30	Long-Period Fiber Grating Within D-Shaped Fiber Using Magnetic Fluid for Magnetic-Field Detection. IEEE Photonics Journal, 2012, 4, 2095-2104.	2.0	58
31	PCF-Based Fabryâ€“PÃ©rot Interferometric Sensor for Strain Measurement at High Temperatures. IEEE Photonics Technology Letters, 2011, 23, 700-702.	2.5	56
32	A Single Longitudinal-Mode Tunable Fiber Ring Laser Based on Stimulated Rayleigh Scattering in a Nonuniform Optical Fiber. Journal of Lightwave Technology, 2011, 29, 1802-1807.	4.6	56
33	Laser Linewidth Measurement Based on Amplitude Difference Comparison of Coherent Envelope. IEEE Photonics Technology Letters, 2016, 28, 759-762.	2.5	55
34	All Fiber Distributed Vibration Sensing Using Modulated Time-Difference Pulses. IEEE Photonics Technology Letters, 2013, 25, 1955-1957.	2.5	53
35	80 km Fading Free Phase-Sensitive Reflectometry Based on Multi-Carrier NLFM Pulse Without Distributed Amplification. Journal of Lightwave Technology, 2019, 37, 4748-4754.	4.6	53
36	Bend-insensitive long-period fiber grating sensors. Optics and Lasers in Engineering, 2004, 41, 233-239.	3.8	51

#	Article	IF	Citations
37	A high temperature sensor based on a peanut-shape structure Michelson interferometer. Optics Communications, 2012, 285, 5085-5088.	2.1	51
38	Precise measurement of ultra-narrow laser linewidths using the strong coherent envelope. Scientific Reports, 2017, 7, 41988.	3.3	51
39	Synthesis, Î±-glucosidase inhibitory and molecular docking studies of prenylated and geranylated flavones, isoflavones and chalcones. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4567-4571.	2.2	50
40	Flexible Timboâ€Like Triboelectric Nanogenerator as Selfâ€Powered Force and Bend Sensor for Wireless and Distributed Landslide Monitoring. Advanced Materials Technologies, 2018, 3, 1800144.	5.8	50
41	Luminescent AlZS-GO nanocomposites as fluorescent probe for detecting copper(II) ion. Sensors and Actuators B: Chemical, 2016, 233, 25-30.	7.8	49
42	Light coupling between two parallel CO_2-laser written long-period fiber gratings. Optics Express, 2007, 15, 17645.	3.4	47
43	Q-switched mode-locked erbium-doped fiber laser based on topological insulator Bi₂Se₃ deposited fiber taper. Applied Optics, 2014, 53, 5117.	1.8	47
44	In-Line Fabryâ€“Perot Etalons Based on Hollow-CorePhotonic Bandgap Fibers for High-Temperature Applications. Journal of Lightwave Technology, 2009, 27, 4360-4365.	4.6	45
45	Micro-Fiber-Based FBG Sensor for Simultaneous Measurement of Vibration and Temperature. IEEE Photonics Technology Letters, 2013, 25, 1751-1753.	2.5	45
46	Copperâ€Catalyzed Regioselective Sulfenylation of Indoles with Arylsulfonyl Chlorides. Asian Journal of Organic Chemistry, 2016, 5, 625-628.	2.7	43
47	Characterization of Long-Period Fiber Gratings Written by CO$_{2}$ Laser in Twisted Single-Mode Fibers. Journal of Lightwave Technology, 2009, 27, 4863-4869.	4.6	42
48	All-fiber vibration sensor based on a Fabryâ€“Perot interferometer and a microstructure beam. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1211.	2.1	42
49	Frequency Response Enhancement by Periodical Nonuniform Sampling in Distributed Sensing. IEEE Photonics Technology Letters, 2015, 27, 2158-2161.	2.5	42
50	High spatial resolution distributed fiber system for multi-parameter sensing based on modulated pulses. Optics Express, 2016, 24, 27482.	3.4	42
51	Intensity-modulated directional torsion sensor based on in-line optical fiber Machâ€“Zehnder interferometer. Optics Letters, 2018, 43, 2414.	3.3	40
52	The synthesis of water-dispersible zinc doped AgInS2 quantum dots and their application in Cu2+ detection. Journal of Luminescence, 2017, 192, 547-554.	3.1	38
53	Rayleigh backscattering: a method to highly compress laser linewidth. Science Bulletin, 2014, 59, 4631-4636.	1.7	37
54	Lactobacillus rhamnosus GG Attenuates Lipopolysaccharide-Induced Inflammation and Barrier Dysfunction by Regulating MAPK/NF-Ä¸B Signaling and Modulating Metabolome in the Piglet Intestine. Journal of Nutrition, 2020, 150, 1313-1323.	2.9	37

#	Article	IF	Citations
55	High-Precision Temperature-Compensated Magnetic Field Sensor Based on Optoelectronic Oscillator. Journal of Lightwave Technology, 2021, 39, 2559-2564.	4.6	37
56	Distributed directional torsion sensing based on an optical frequency domain reflectometer and a helical multicore fiber. Optics Express, 2020, 28, 16140.	3.4	37
57	Highly sensitive temperature sensor based on an ultra-compact Machâ€“Zehnder interferometer with side-opened channels. Optics Letters, 2017, 42, 3549.	3.3	35
58	A Highly Sensitive Fiber-Optic Refractive Index Sensor Based on an Edge-Written Long-Period Fiber Grating. IEEE Photonics Technology Letters, 2007, 19, 1946-1948.	2.5	33
59	In-fiber whispering-gallery-mode resonator fabricated by femtosecond laser micromachining. Optics Letters, 2015, 40, 3770.	3.3	32
60	Distributed fiber sparse-wideband vibration sensing by sub-Nyquist additive random sampling. Optics Letters, 2018, 43, 2022.	3.3	32
61	Bend-insensitive distributed sensing in singlemode-multimode-singlemode optical fiber structure by using Brillouin optical time-domain analysis. Optics Express, 2015, 23, 22714.	3.4	31
62	A novel tunable gain equalizer based on a long-period fiber grating written by high-frequency CO2 laser pulses. IEEE Photonics Technology Letters, 2003, 15, 251-253.	2.5	30
63	Intrinsic fiber-optic Fabryâ€“Perot interferometer based on arc discharge and single-mode fiber. Applied Optics, 2013, 52, 2670.	1.8	28
64	In-Fiber Fabryâ€“Perot and Machâ€“Zehnder interferometers based on hollow optical fiber fabricated by arc fusion splicing with small lateral offsets. Optics Communications, 2011, 284, 5311-5314.	2.1	27
65	Stable, Ultrafast Pulse Mode-Locked by Topological Insulator <inline-formula> <tex-math notation="TeX">${m Bi}_{2}{m Se}_{3} $</tex-math></inline-formula> Nanosheets Interacting With Photonic Crystal Fiber: From Anomalous Dispersion to Normal Dispersion. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	27
66	Highly-sensitive magnetic field sensor based on fiber ring laser. Optics Express, 2016, 24, 645.	3.4	27
67	Tens of hertz narrow-linewidth laser based on stimulated Brillouin and Rayleigh scattering. Optics Letters, 2017, 42, 5286.	3.3	27
68	Selective and sensitive detection of copper(II) based on fluorescent zinc-doped AgInS2 quantum dots. Journal of Luminescence, 2018, 201, 182-188.	3.1	27
69	16 Î¼m dissipative soliton fiber laser mode-locked by cesium lead halide perovskite quantum dots. Optics Express, 2018, 26, 7155.	3.4	27
70	Watt-Level Ultrafast Fiber Laser Based on Weak Evanescent Interaction With Reduced Graphene Oxide. IEEE Photonics Technology Letters, 2016, 28, 1245-1248.	2.5	26
71	One-step aqueous synthesis of highly luminescent hydrophilic AgInZnS quantum dots. Journal of Luminescence, 2018, 202, 71-76.	3.1	26
72	Highly Sensitive Temperature-Independent Strain Sensor Based on a Long-Period Fiber Grating With a CO$_{2}$-Laser Engraved Rotary Structure. IEEE Photonics Technology Letters, 2009, 21, 543-545.	2.5	25

#	Article	IF	Citations
73	Pressure-assisted low-loss fusion splicing between photonic crystal fiber and single-mode fiber. Optics Express, 2012, 20, 24465.	3.4	25
74	High-sensitivity distributed transverse load sensor with an elliptical-core fiber based on Brillouin dynamic gratings. Optics Letters, 2015, 40, 5003.	3.3	25
75	Highly Sensitive Optical Refractometer Based on Edge-Written Ultra-Long-Period Fiber Grating Formed by Periodic Grooves. IEEE Sensors Journal, 2009, 9, 678-681.	4.7	24
76	Accelerometer based on allâ€fiber Fabryâ€“PÃ©rot interferometer formed by hollowâ€core photonic crystal fiber. Microwave and Optical Technology Letters, 2010, 52, 2531-2535.	1.4	24
77	A self-gain random distributed feedback fiber laser based on stimulated Rayleigh scattering. Optics Communications, 2012, 285, 1371-1374.	2.1	24
78	All-fiber mode-locked laser via short single-wall carbon nanotubes interacting with evanescent wave in photonic crystal fiber. Optics Express, 2016, 24, 23450.	3.4	24
79	OFDR with local spectrum matching method for optical fiber shape sensing. Applied Physics Express, 2019, 12, 082010.	2.4	24
80	Distributed vibration measurement based on a coherent multi-slope-assisted BOTDA with a large dynamic range. Optics Letters, 2019, 44, 1245.	3.3	24
81	Polarization evolution dynamics of dissipative soliton fiber lasers. Photonics Research, 2019, 7, 1331.	7.0	24
82	Nanocomposites of AgInZnS and graphene nanosheets as efficient photocatalysts for hydrogen evolution. Nanoscale, 2015, 7, 18498-18503.	5.6	23
83	Hydrophilic AgInZnS quantum dots as a fluorescent turn-on probe for Cd2+ detection. Journal of Alloys and Compounds, 2021, 864, 158109.	5.5	23
84	Optically controlled tunable ultra-narrow linewidth fiber laser with Rayleigh backscattering and saturable absorption ring. Optics Express, 2018, 26, 26896.	3.4	23
85	Coherence loss of partially mode-locked fibre laser. Scientific Reports, 2016, 6, 24995.	3.3	22
86	High-precision strain-insensitive temperature sensor based on an optoelectronic oscillator. Optics Express, 2019, 27, 37532.	3.4	22
87	In-line all-fibre Fabry-Pèrot interferometer high temperature sensor formed by large lateral offset splicing. Electronics Letters, 2011, 47, 401.	1.0	21
88	Demodulation algorithm for spatial-frequency-division-multiplexed fiber-optic Fizeau strain sensor networks. Optics Letters, 2006, 31, 700.	3.3	20
89	Dual-cavity feedback assisted DFB narrow linewidth laser. Scientific Reports, 2017, 7, 1185.	3.3	20
90	Trace copper detection using in-line optical fiber Machâ€“Zehnder interferometer combined with an optoelectronic oscillator. Optics Express, 2021, 29, 23430.	3.4	20

#	Article	IF	Citations
91	Multi-channel mode converter based on a modal interferometer in a two-mode fiber. Optics Letters, 2017, 42, 3757.	3.3	20
92	Enhanced sensitivity of optical fiber vibration sensor based on radio-frequency Michelson interferometer. Optics Letters, 2021, 46, 6079.	3.3	20
93	SFDM/CWDM of fiber-optic Fizeau strain sensors. IEEE Photonics Technology Letters, 2005, 17, 1259-1261.	2.5	19
94	Tunable Fabry-Perot filter using hollow-core photonic bandgap fiber and micro-fiber for a narrow-linewidth laser. Optics Express, 2011, 19, 9617.	3.4	18
95	Polarization independent fast BOTDA based on pump frequency modulation and cyclic coding. Optics Express, 2018, 26, 18270.	3.4	18
96	Nanocomposite polyacrylamide based open cavity fiber Fabryâ€“Perot humidity sensor. Applied Optics, 2012, 51, 7643.	1.8	17
97	Temperature-Insensitive Real-Time Inclinometer Based on an Etched Fiber Bragg Grating. IEEE Photonics Technology Letters, 2014, 26, 1049-1052.	2.5	17
98	In-fiber Machâ€“Zehnder interferometer and sphere whispering gallery mode resonator coupling structure. Optics Letters, 2017, 42, 167.	3.3	17
99	Acousto-optic tunable bandpass filter based on acoustic-flexural-wave-induced fiber birefringence. Optics Letters, 2018, 43, 5431.	3.3	17
100	Incoherent optical modulation of graphene based on an in-line fiber Machâ€“Zehnder interferometer. Optics Letters, 2017, 42, 1708.	3.3	16
101	Strain sensor without temperature compensation based on LPFG with strongly rotary refractive index modulation. Electronics Letters, 2007, 43, 1132.	1.0	15
102	Characteristics of novel ultra-long-period fiber gratings fabricated by high-frequency CO2 laser pulses. Optics Communications, 2007, 277, 84-88.	2.1	15
103	Tunable filter based on a pair of special long-period fiber gratings and its application in fiber ring laser. Laser Physics, 2012, 22, 575-578.	1.2	15
104	All-fiber narrow-linewidth ring laser with continuous and large tuning range based on microsphere resonator and fiber Bragg grating. Optics Express, 2018, 26, 32652.	3.4	15
105	Acousto-optic tunable ultrafast laser with vector-mode-coupling-induced polarization conversion. Photonics Research, 2019, 7, 798.	7.0	15
106	Propylene Carbonate Based Compact Fiber Machâ€“Zehnder Interferometric Electric Field Sensor. Journal of Lightwave Technology, 2013, 31, 1566-1572.	4.6	14
107	<title>Characteristics of novel long-period fiber gratings written by focused high-frequency CO<formula><inf><roman>2 </roman></inf></formula>laser pulses</title>. , 2001, , .		13
108	Graphene-Assisted All-Fiber Optical-Controllable Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9.	2.9	13

#	Article	IF	Citations
109	Effect of Initial Orientation on Corrosion Behavior of AZ80 Magnesium Alloy in Simulated Body Fluid. Metals and Materials International, 2021, 27, 2645-2655.	3.4	13
110	Dual-wavelength FBG inscribed by femtosecond laser for simultaneous measurement of high temperature and strain. Chinese Optics Letters, 2009, 7, 675-678.	2.9	12
111	Interferometric Fiber-Optic Tilt Sensor Exploiting Taper and Lateral-Offset Fusing Splicing. IEEE Photonics Technology Letters, 2016, 28, 2225-2228.	2.5	12
112	Fast distributed Brillouin optical fiber sensing based on pump frequency modulation. Applied Physics Express, 2018, 11, 072502.	2.4	12
113	Distributed Optical Fiber Sensor for Dynamic Measurement. Journal of Lightwave Technology, 2021, 39, 3801-3811.	4.6	12
114	Vector rectangular-shape laser based on reduced graphene oxide interacting with a long fiber taper. Applied Optics, 2014, 53, 6452.	1.8	11
115	Thermoâ€“Optic Tuning of Integrated Polymethyl Methacrylate Sphere Whispering Gallery Mode Resonator. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	11
116	Hydroxysulfonylation of Quinones with Aryl(alkyl)sulfonyl Hydrazides for the Synthesis of 1,4â€Dihydroxyâ€2â€aryl(alkyl)sulfonylbenzenes. European Journal of Organic Chemistry, 2017, 2017, 6081-6084.	2.4	11
117	Synthesis and immunogenicity of theMycobacterium tuberculosisarabinomannanâ€“CRM197 conjugate. MedChemComm, 2019, 10, 543-553.	3.4	11
118	A Longitude-Purification Mechanism for Tunable Fiber Laser Based on Distributed Feedback. Journal of Lightwave Technology, 2022, 40, 206-214.	4.6	11
119	2F-TP: Learning Flexible Spatiotemporal Dependency for Flexible Traffic Prediction. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 15379-15391.	8.0	11
120	Sortase A-mediated on-resin peptide cleavage and in situ ligation: an efficient one-pot strategy for the synthesis of functional peptides and proteins. Organic Chemistry Frontiers, 2017, 4, 2058-2062.	4.5	10
121	Rayleigh scattering assisted ultra-narrow linewidth linear-cavity laser. Applied Physics Express, 2019, 12, 082001.	2.4	10
122	Tunable Narrow-Linewidth Fiber Laser Based on Light-Controlled Graphene. Journal of Lightwave Technology, 2019, 37, 1338-1344.	4.6	10
123	Optical polarization rogue waves from supercontinuum generation in zero dispersion fiber pumped by dissipative soliton. Optics Express, 2019, 27, 23830.	3.4	10
124	In-Fiber Auxiliary Interferometer to Compensate Laser Nonlinear Tuning in Simplified OFDR. Journal of Lightwave Technology, 2022, 40, 837-843.	4.6	10
125	High sensitive space electric field sensing based on micro fiber interferometer with field force driven gold nanofilm. Scientific Reports, 2015, 5, 15802.	3.3	9
126	DC-Biased Optofluidic Biolaser for Uric Acid Detection. Journal of Lightwave Technology, 2020, 38, 1557-1563.	4.6	9

#	Article	IF	Citations
127	Orbital angular momentum generation in two-mode fiber, based on the modal interference principle. Optics Letters, 2019, 44, 999.	3.3	9
128	Accelerated Fast BOTDA Assisted by Compressed Sensing and Image Denoising. IEEE Sensors Journal, 2021, 21, 25723-25729.	4.7	9
129	L. reuteri ZJ617 inhibits inflammatory and autophagy signaling pathways in gut-liver axis in piglet induced by lipopolysaccharide. Journal of Animal Science and Biotechnology, 2021, 12, 110.	5.3	9
130	A fluorometric optical fiber nanoprobe for copper(II) by using AgInZnS quantum dots. Mikrochimica Acta, 2020, 187, 146.	5.0	8
131	Vector optical-chirp-chain Brillouin optical time-domain analyzer based on complex principal component analysis. Optics Express, 2020, 28, 28831.	3.4	8
132	Long range fading free phase-sensitive reflectometry based on multi-tone NLFM pulse. , 2018, , .		8
133	Enhancing spatial resolution of BOTDR sensors using image deconvolution. Optics Express, 2022, 30, 19652.	3.4	8
134	All-fiber bandwidth-tunable band-rejection filter based on a composite grating induced by CO_2 laser pulses. Optics Express, 2009, 17, 16750.	3.4	7
135	Cross-Phase Modulation Instability in Mode-Locked Laser Based on Reduced Graphene Oxide. IEEE Photonics Technology Letters, 2015, 27, 38-41.	2.5	7
136	Photothermal Interferometry Gas Sensor Based on the First Harmonic Signal. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	7
137	Graphene-based all-optical multi-parameter regulations for an ultrafast fiber laser. Optics Letters, 2018, 43, 4378.	3.3	7
138	Optical puff mediated laminar-turbulent polarization transition. Optics Express, 2018, 26, 6103.	3.4	7
139	Side mode suppression of SOA fiber hybrid laser based on distributed self-injection feedback. Optics and Laser Technology, 2022, 147, 107619.	4.6	7
140	Lactic Acid Bacteria Mixture Isolated From Wild Pig Alleviated the Gut Inflammation of Mice Challenged by Escherichia coli. Frontiers in Immunology, 2022, 13, 822754.	4.8	7
141	A Passively Mode-Locked Fiber Laser Only Based on D-Shaped Fiber. IEEE Photonics Technology Letters, 2013, 25, 2427-2430.	2.5	6
142	Effect of laser linewidth on phase-OTDR based distributed vibration sensing regime. Proceedings of SPIE, 2014, , .	0.8	6
143	Synthesis of Ag-In-Zn-S alloyed nanorods and their biological application. Nanotechnology, 2014, 25, 485702.	2.6	6
144	High Voltage Sensing Based on Fiber Fabryâ€“Perot Interferometer Driven by Electric Field Forces. Journal of Lightwave Technology, 2014, 32, 3337-3343.	4.6	6

#	Article	IF	Citations
145	Polarization Switching in a Mode-Locked Fiber Laser Based on Reduced Graphene Oxide. IEEE Photonics Technology Letters, 2015, 27, 2535-2538.	2.5	6
146	Electrical Thermo-Optic Tuning of Whispering Gallery Mode Microtube Resonator. IEEE Photonics Technology Letters, 2017, 29, 169-172.	2.5	6
147	Model Tests on the Frequency Responses of Offshore Monopiles. Journal of Marine Science and Engineering, 2019, 7, 430.	2.6	6
148	Experimental revealing of asynchronous transient-soliton buildup dynamics. Optics and Laser Technology, 2021, 133, 106512.	4.6	6
149	Optical polarization rogue waves and their identifications. JPhys Photonics, 2020, 2, 032004.	4.6	6
150	Tunable Narrow-Linewidth Fiber Laser Based on the Acoustically Controlled Polarization Conversion in Dispersion Compensation Fiber. Journal of Lightwave Technology, 2022, 40, 2971-2979.	4.6	6
151	A self-adjuvanting anti-tumor nanoliposomal vaccine based on fluorine-substituted MUC1 glycopeptide. Chemical Communications, 2022, 58, 8642-8645.	4.1	6
152	Refractive index sensing based on Mach-Zehnder interferometer formed by three cascaded single-mode fiber tapers. Proceedings of SPIE, 2011, , .	0.8	5
153	Temporal Response Measurement of Magnetic Fluids Based on D-Shaped Fiber Intermodal Interferometer. Applied Physics Express, 2013, 6, 052502.	2.4	5
154	Breaking through the bandwidth barrier in distributed fiber vibration sensing by sub-Nyquist randomized sampling. Proceedings of SPIE, 2017, , .	0.8	5
155	Dual-wavelength narrowband all-fiber acousto-optic tunable bandpass filter based on dispersion-compensating fiber. Applied Physics Express, 2019, 12, 122008.	2.4	5
156	Fast Spectral Characterization of Optical Passive Devices Based on Dissipative Soliton Fiber Laser Assisted Dispersive Fourier Transform. Physical Review Applied, 2020, 14, .	3.8	5
157	A Fiber-Attached Coupler for Transmission Bandpass Whispering Gallery Mode Resonator. Journal of Lightwave Technology, 2021, 39, 2454-2459.	4.6	5
158	Two-Dimensional Tapered Optical Fiber Core for Whispering Gallery Mode Excitation. IEEE Photonics Technology Letters, 2022, 34, 235-238.	2.5	5
159	Transverse load, static strain, temperature and vibration measurement using a cascaded FBG/EFPI/LPFG sensor system. , 0, , .		4
160	Transverse-load characteristics of twisted long-period fibre gratings written by high-frequency CO2 laser pulses. Electronics Letters, 2006, 42, 451.	1.0	4
161	Remote high temperature sensing with a reflective bandpass long-period fiber grating and a fiber ring laser. Measurement Science and Technology, 2013, 24, 094023.	2.6	4
162	In-Fiber Butt-Coupled Spherical Microcavity With Whispering Gallery Mode and Fabry-Perot Resonances. IEEE Photonics Technology Letters, 2021, 33, 553-556.	2.5	4

#	Article	IF	Citations
163	High speed surface defects detection of mirrors based on ultrafast single-pixel imaging. Optics Express, 2022, 30, 15037.	3.4	4
164	A Highly Sensitive Fiber-Optic Refractive Index Sensor Based on An Edge-written Long-Period Fiber Grating. , 2007, , JWA53.		3
165	Fiber optic accelerometer based on long period fiber grating induced by CO₂ laser pulses. Microwave and Optical Technology Letters, 2011, 53, 841-845.	1.4	3
166	Characteristics of stimulated Rayleigh scattering in optical fibers. Proceedings of SPIE, 2011, , .	0.8	3
167	Sensing and Demodulation of Special Long-Period Fiber Gratings Induced by Scanning<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CO</mml:mtext></mml:mrow><mml:mn mathvariant="bold">2</mml:mn></mml:msub></mml:mrow></mml:math>Laser Pulses. Journal of Sensors, 2012, 2012, 1-17.	1.1	3
168	Ultra wideband measurement for arbitrary spectral response using double sideband modulation and low-frequency detection. Optics Communications, 2020, 460, 125198.	2.1	3
169	Single shot OCC-BOTDA based on polarization diversity and image denoising. Optics and Lasers in Engineering, 2021, 137, 106368.	3.8	3
170	Frequency response enhancement for long-range Ï†-OTDR system by additive random sampling and nonlinear frequency modulation. , 2019, , .		3
171	Significant association between winter North Atlantic SST and spring NDVI anomaly over Eurasia. Journal of Geophysical Research D: Atmospheres, 0, , .	3.3	3
172	Miniaturized fiber-optic Fabry-Perot interferometer for highly sensitive refractive index measurement. , 2008, , .		2
173	Novel all-fiber band pass filter and multimode-single-mode converter for interconnection between multimode fiber and single mode fiber network. Proceedings of SPIE, 2008, , .	0.8	2
174	All-fiber bandpass filter based on asymmetrical modes exciting and coupling. Optics Communications, 2013, 286, 161-165.	2.1	2
175	Real distributed vibration sensing with high frequency response based on pulse pair. Proceedings of SPIE, 2014, , .	0.8	2
176	Polarization-dependent pulse dynamics of mode-locked fiber laser with near-zero net dispersion. Applied Physics Express, 2019, 12, 112001.	2.4	2
177	Experimental study on linewidth compression based on Rayleigh backscattering in 1064Ânm fiber laser. Optics Communications, 2019, 430, 268-272.	2.1	2
178	Graphene Quantum Dots Assisted Optically Tunable In-Core Mach-Zehnder Interferometer. IEEE Photonics Technology Letters, 2020, 32, 799-802.	2.5	2
179	Experimental observation of bound states of Q-switched fiber lasers mode-locked by carbon nanotubes. Japanese Journal of Applied Physics, 2020, 59, 050905.	1.5	2
180	Synthesis and immunogenicity of Brucella monovalent neoglycoconjugate. Carbohydrate Research, 2021, 499, 108196.	2.3	2

#	Article	IF	Citations
181	In-fiber wavelength-selective reflector based on Y-junction coupled whispering gallery mode resonator. Optics and Lasers in Engineering, 2021, 137, 106329.	3.8	2
182	Coherent optical modulation of graphene based on coherent population oscillation. Optics Letters, 2019, 44, 223.	3.3	2
183	Temperature-strain discrimination using a wavelength-division-multiplexed chirped FBG/EFPI sensor system. , 2001, , .		1
184	<title>Applications of CO<formula><inf><roman>2</roman></inf></formula>-induced long-period fiber gratings in Er-doped fiber amplifiers</title>. , 2001, , .		1
185	Novel bend-insensitive long-period fiber grating sensor. , 2002, , .		1
186	Simultaneous measurement of transverse load and temperature using a single long-period fiber grating element. , 2002, , .		1
187	In-line fiber-optic Fabry-Perot ultrasound sensor formed by hollow-core photonic-crystal fiber. , 2009, , .		1
188	Tunable Fabry-Perot filter based on hollow-core photonic bandgap fiber and micro-fiber and its application. , 2011, , .		1
189	Highly sensitive refractive index sensor based on two cascaded long period gratings with rotary refractive index modulation. Proceedings of SPIE, 2011, , .	0.8	1
190	A multifunctional allâ€fiber device with a magnetic nanoparticles core mode blocker for wavelength bandpass filtering and multiâ€toâ€single mode conversion. Microwave and Optical Technology Letters, 2011, 53, 740-744.	1.4	1
191	Fabrication and characteristics of phaseâ€shifted beat gratings induced by CO₂ laser. Microwave and Optical Technology Letters, 2011, 53, 2526-2530.	1.4	1
192	In-line single-mode fiber interferometers based on peanut-shape fiber structure. , 2012, , .		1
193	A high temperature sensor based on a peanut structure-based Michelson interferometer. , 2012, , .		1
194	Remote sensing based on reflective bandpass long-period fiber grating and fiber ring laser. , 2012, , .		1
195	Pressure-assisted low-loss fusion splicing between photonic crystal fibers and single-mode fiber. Proceedings of SPIE, 2012, , .	0.8	1
196	Efficient synthesis of thioglycosylated kojic acid bys-glycosyl isothiouronium salts. Journal of Carbohydrate Chemistry, 2016, 35, 355-366.	1.1	1
197	Incoherent optical modulation of graphene based on inline fiber Mach-Zehnder interferometer. , 2017, , .		1
198	1310 nm Narrow Linewidth Laser Assisted by the Feedback of Double-FBGs. IEEE Photonics Journal, 2020, 12, 1-12.	2.0	1

#	Article	IF	Citations
199	Optimal Design of 6-DOF Parallel Manipulator with Workspace Maximization using a Constrained Differential Evolution. , 2021, , .		1
200	Theory and experiment of refractive index change of long-period fiber grating induced by CO2 laser pulses. Wuli Xuebao/Acta Physica Sinica, 2009, 58, 6316.	0.5	1
201	Experimental revealing of fiber laser soliton build-up activated by shaking-soliton triplets. Optics and Laser Technology, 2022, 147, 107677.	4.6	1
202	Optimization of in-line EDFAs using a novel CO2-induced long-period fiber grating filter. , 2002, 4906, 458.		0
203	In-line fiber-optic Fabry-Perot ultrasound sensor formed by hollow-core photonic-crystal fiber. , 2009, , .		0
204	Tunable band-rejection filter based on twisting a rotary long-period fiber grating. , 2009, , .		0
205	Effects of group-delay difference on ultrashort pulse propagation in an active nonlinear LPFG. Optics Communications, 2009, 282, 4796-4799.	2.1	0
206	In-line Fabry-Perot sensors based on hollow-core photonic bandgap fibers for high temperature applications. , 2009, , .		0
207	In-line all-fiber Fabry-Perot and Mach-Zehnder interferometers formed by hollow fiber with lateral offset. Proceedings of SPIE, 2011, , .	0.8	0
208	Tunable narrow linewidth and stable frequency laser based on stimulated Rayleigh scattering in non-uniform optical fiber. Proceedings of SPIE, 2011, , .	0.8	0
209	PCF-based Fabry-Perot interferometric sensor for strain measurement under high-temperature. Proceedings of SPIE, 2011, , .	0.8	0
210	Curvature measurement with photonic crystal fiber based Mach-Zehnder interferometer. , 2011, , .		0
211	All-fiber acceleration sensor with temperature self-compensation. , 2012, , .		0
212	Fiber ring laser incorporating a pair of rotary long-period fiber gratings for torsion measurement. , 2012, , .		0
213	Distributed vibration sensing based on time-difference pulses. , 2013, , .		0
214	Micro-fiber inclinometer based on deformation of FBG. Proceedings of SPIE, 2013, , .	0.8	0
215	A real-time inclinometer based on an etched fiber Bragg grating connected to hollow-core fiber. , 2014, , .		0
216	In-fiber whispering gallery mode resonator fabricated by femtosecond laser micromaching. Proceedings of SPIE, 2015, , .	0.8	0

#	Article	IF	Citations
217	Perpendicular coupling glass capillary based interferometric real-time microfluidic sensor. Proceedings of SPIE, 2015, , .	0.8	0
218	Thermo-optically tunable switching in an electro-microtube ring resonator. Proceedings of SPIE, 2015, , .	0.8	0
219	Optical inclinometer based on a single long-period fiber grating combined with a large lateral offset. Proceedings of SPIE, 2015, , .	0.8	0
220	Electrical thermo-optic tuning of integrated polymethyl methacrylate sphere whispering gallery mode resonator. , 2016, , .		0
221	Magnetic field measurement by using a multilongitudinal mode fiber laser. , 2017, , .		0
222	Experimental research on space charge of linear / nonlinear double-layered composites. , 2017, , .		0
223	Watt-level, ultrafast fiber laser functioned with ultraweak evanescent field. , 2017, , .		0
224	Multi-channel mode converters based on in-line fiber modal interferometer. , 2017, , .		0
225	An Improved Vibration Controller for Precision Manufacture Based on Youla Parametrization and Fuzzy Logic. , 2021, , .		0
226	A Novel Tunable Electromagnetic Gravity Compensator with Low Natural Frequency for Precision Assembly. , 2021, , .		0
227	Hybrid Distributed Multi-Parameter Fiber Sensing System Based on Modulated Pulses Î¦/B-OTDR. , 2016, , .		0
228	Tunable dual-wavelength fiber laser with ultra-narrow linewidth based on Rayleigh backscattering. , 2016, , .		0
229	Optical polarization rogue waves in fiber laser. , 2016, , .		0
230	An Integrated All Fiber Whispering Gallery Mode Resonator. , 2016, , .		0
231	Evanescent field-assisted mode-locked laser based on short single-wall carbon nanotubes and photonic crystal fiber. , 2017, , .		0
232	Polarization dynamics of dissipative soliton fiber laser. , 2019, , .		0
233	Experimental observation of coherent population oscillation in graphene. , 2019, , .		0
234	Polydimethylsiloxane optical microring resonator by nano-imprint lithography on MgF2 substrate. , 2019, , .		0

#	Article	IF	Citations
235	Orbital angular momentum generation in two mode fiber. , 2019, , .		0
236	A simplified OFDR system with an integrated in-fiber auxiliary interferometer. , 2021, , .		0
237	Large dynamic strain sensing for Ï†â˜OTDR with frequency modulation pulse and frequency interrogation. , 2021, , .		0
238	Real-time spectroscope characterization for acousto-optical dynamics analysis in fiber. , 2020, , .		0
239	Vector optical-chirp-chain Brillouin Optical Time-Domain Analyzer. , 2021, , .		0
240	Single shot BOTDA based on optical chirp chain and image denoising. , 2021, , .		0
241	Long range Ï†-OTDR based on full wave rectification and Raman amplification. , 2021, , .		0
242	High-Resolution and Large-Sensing-Range Liquid-Level Sensor Based on Optical Frequency Domain Reflectometry and No-Core Fiber. Sensors, 2022, 22, 4480.	3.8	0