

# Hwa-Yaw Tam

## List of Publications by Year in descending order

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448  
papers

11,369  
citations

34076

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452  
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452  
docs citations

452  
times ranked

7167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber Bragg grating sensors for structural health monitoring of Tsing Ma bridge: Background and experimental observation. <i>Engineering Structures</i> , 2006, 28, 648-659.	2.6	384
2	Temperature-insensitive strain sensor with polarization-maintaining photonic crystal fiber based Sagnac interferometer. <i>Applied Physics Letters</i> , 2007, 90, 151113.	1.5	371
3	Simultaneous strain and temperature measurement using a superstructure fiber Bragg grating. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 675-677.	1.3	277
4	Mode-division multiplexed transmission with inline few-mode fiber amplifier. <i>Optics Express</i> , 2012, 20, 2668.	1.7	254
5	Stable and uniform multiwavelength erbium-doped fiber laser using nonlinear polarization rotation. <i>Optics Express</i> , 2006, 14, 8205.	1.7	241
6	High-pressure and high-temperature characteristics of a Fabry-Pérot interferometer based on photonic crystal fiber. <i>Optics Letters</i> , 2011, 36, 412.	1.7	173
7	Fiber Bragg grating cavity sensor for simultaneous measurement of strain and temperature. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 105-107.	1.3	158
8	Rapid 3D Patterning of Poly(acrylic acid) Ionic Hydrogel for Miniature pH Sensors. <i>Advanced Materials</i> , 2016, 28, 1394-1399.	11.1	154
9	Operando decoding of chemical and thermal events in commercial Na(Li)-ion cells via optical sensors. <i>Nature Energy</i> , 2020, 5, 674-683.	19.8	149
10	Reflective tilted fiber Bragg grating refractometer based on strong cladding to core recoupling. <i>Optics Express</i> , 2009, 17, 5736.	1.7	147
11	Dissipative vector solitons in a dispersionmanaged cavity fiber laser with net positive cavity dispersion. <i>Optics Express</i> , 2009, 17, 455.	1.7	130
12	Tilted fiber grating accelerometer incorporating an abrupt biconical taper for cladding to core recoupling. <i>Optics Express</i> , 2009, 17, 20651.	1.7	129
13	Signal processing using artificial neural network for BOTDA sensor system. <i>Optics Express</i> , 2016, 24, 6769.	1.7	124
14	All-optical fiber anemometer based on laser heated fiber Bragg gratings. <i>Optics Express</i> , 2011, 19, 10124.	1.7	122
15	Laser-induced thermal bubbles for microfluidic applications. <i>Lab on A Chip</i> , 2011, 11, 1389.	3.1	119
16	Ultrasonic hydrophone based on distributed Bragg reflector fiber laser. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 169-171.	1.3	108
17	Temperature-Independent Fiber Bragg Grating Tilt Sensor. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 224-226.	1.3	100
18	Polarimetric Heterodyning Fiber Grating Laser Sensors. <i>Journal of Lightwave Technology</i> , 2012, 30, 1097-1112.	2.7	97

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19	Induced solitons formed by cross-polarization coupling in a birefringent cavity fiber laser. Optics Letters, 2008, 33, 2317.	1.7	96
20	Ultra-fast polymer optical fibre Bragg grating inscription for medical devices. Light: Science and Applications, 2018, 7, 17161-17161.	7.7	94
21	Multiwavelength erbium-doped fiber laser employing a nonlinear optical loop mirror. Optics Communications, 2006, 268, 278-281.	1.0	93
22	High-Resolution Strain and Temperature Sensor Based on Distributed Bragg Reflector Fiber Laser. IEEE Photonics Technology Letters, 2007, 19, 1598-1600.	1.3	90
23	A Fiber Bragg Grating Sensor System for Train Axle Counting. IEEE Sensors Journal, 2010, 10, 1905-1912.	2.4	90
24	Fiber Bragg grating sensor for simultaneous measurement of displacement and temperature. Optics Letters, 2000, 25, 1141.	1.7	88
25	120nm Bandwidth noise-like pulse generation in an erbium-doped fiber laser. Optics Communications, 2008, 281, 157-161.	1.0	86
26	Salinity sensor based on polyimide-coated photonic crystal fiber. Optics Express, 2011, 19, 20003.	1.7	86
27	Fundamentals and applications of optical fiber Bragg grating sensors to textile structural composites. Composite Structures, 1998, 42, 217-229.	3.1	85
28	Simultaneous strain and temperature measurement using a single fibre Bragg grating. Electronics Letters, 2000, 36, 1018.	0.5	85
29	In-line open-cavity Fabry-Pérot interferometer formed by C-shaped fiber for temperature-insensitive refractive index sensing. Optics Express, 2014, 22, 21757.	1.7	84
30	Stimulated soliton pulse formation and its mechanism in a passively mode-locked fibre soliton laser. Optics Communications, 1999, 165, 189-194.	1.0	83
31	Stable and broad bandwidth multiwavelength fiber ring laser incorporating a highly nonlinear photonic crystal fiber. IEEE Photonics Technology Letters, 2005, 17, 2535-2537.	1.3	82
32	Long-haul quasi-single-mode transmissions using few-mode fiber in presence of multi-path interference. Optics Express, 2015, 23, 3156.	1.7	80
33	Trans-4-stilbenemethanol-doped photosensitive polymer fibers and gratings. Optics Letters, 2004, 29, 156.	1.7	79
34	Temperature-Insensitive Fiber Bragg Grating Based Tilt Sensor With Large Dynamic Range. Journal of Lightwave Technology, 2011, 29, 1714-1720.	2.7	77
35	Intermodal coupling of supermodes in a twin-core photonic crystal fiber and its application as a pressure sensor. Optics Express, 2012, 20, 21749.	1.7	75
36	Characteristics of the distributed Bragg reflector fiber laser sensor for lateral force measurement. Optics Communications, 2008, 281, 4619-4622.	1.0	69

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37	Coexistence of polarization-locked and polarization-rotating vector solitons in a fiber laser with SESAM. <i>Optics Letters</i> , 2009, 34, 3059.	1.7	69
38	Fiber-laser-based wavelength-division multiplexed fiber Bragg grating sensor system. <i>IEEE Photonics Technology Letters</i> , 2001, 13, 702-704.	1.3	67
39	In situ $\hat{1}/4$ -printed optical fiber-tip CO <sub>2</sub> sensor using a photocrosslinkable poly(ionic liquid). <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 833-839.	4.0	62
40	In-line microfluidic refractometer based on C-shaped fiber assisted photonic crystal fiber Sagnac interferometer. <i>Optics Letters</i> , 2013, 38, 3283.	1.7	61
41	Low-loss waveguide crossing using a multimode interference structure. <i>Optics Communications</i> , 2004, 241, 99-104.	1.0	60
42	Highly sensitive bending sensor based on Er <sup>3+</sup> -doped DBR fiber laser. <i>Optics Express</i> , 2010, 18, 17834.	1.7	60
43	All-optical bit-error monitoring system using cascaded inverted wavelength converter and optical NOR gate. <i>IEEE Photonics Technology Letters</i> , 2003, 15, 593-595.	1.3	57
44	Mode coupling dynamics and communication strategies for multi-core fiber systems. <i>Optics Express</i> , 2012, 20, 4548.	1.7	57
45	Highly reflective Bragg gratings in slightly etched step-index polymer optical fiber. <i>Optics Express</i> , 2014, 22, 18807.	1.7	57
46	Reconfigurable Microwave Photonic Filter Using Multiwavelength Erbium-Doped Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2007, 19, 1334-1336.	1.3	56
47	Magnetostrictive composite fiber Bragg grating (MC-FBG) magnetic field sensor. <i>Sensors and Actuators A: Physical</i> , 2012, 173, 122-126.	2.0	56
48	All-polymer fiber-optic pH sensor. <i>Optics Express</i> , 2018, 26, 14610.	1.7	56
49	Dynamics of gain-guided solitons in an all-normal-dispersion fiber laser. <i>Optics Letters</i> , 2007, 32, 1806.	1.7	55
50	Ultra-short distributed Bragg reflector fiber laser for sensing applications. <i>Optics Express</i> , 2009, 17, 10050.	1.7	55
51	Output power characteristics of tunable erbium-doped fiber ring lasers. <i>Journal of Lightwave Technology</i> , 2005, 23, 1334-1341.	2.7	54
52	Acousto-ultrasonic sensing for delaminated GFRP composites using an embedded FBG sensor. <i>Optics and Lasers in Engineering</i> , 2009, 47, 1049-1055.	2.0	53
53	Microstructured optical fiber based Fabry-Pérot interferometer as a humidity sensor utilizing chitosan polymeric matrix for breath monitoring. <i>Scientific Reports</i> , 2020, 10, 6002.	1.6	53
54	Fabrication of a compact reflective long-period grating sensor with a cladding-mode-selective fiber end-face mirror. <i>Optics Express</i> , 2009, 17, 17976.	1.7	52

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55	Multiplexing of polarization-maintaining photonic crystal fiber based Sagnac interferometric sensors. <i>Optics Express</i> , 2009, 17, 18501.	1.7	52
56	Dual polarization fiber grating laser hydrophone. <i>Optics Express</i> , 2009, 17, 19544.	1.7	52
57	88Å–3Å–112-Gb/s WDM Transmission over 50 km of Three-Mode Fiber with Inline Few Mode Fiber Amplifier. , 2011, , .		52
58	Modulation of refractive index and thickness of poly(methyl methacrylate) thin films with UV irradiation and heat treatment. <i>Applied Surface Science</i> , 2005, 252, 1283-1292.	3.1	51
59	Ultrahigh birefringence index-guiding photonic crystal fiber and its application for pressure and temperature discrimination. <i>Optics Letters</i> , 2013, 38, 1385.	1.7	51
60	Multifunctional Smart Optical Fibers: Materials, Fabrication, and Sensing Applications. <i>Photonics</i> , 2019, 6, 48.	0.9	51
61	Ultrafast Light-Controlled Growth of Silver Nanoparticles for Direct Plasmonic Color Printing. <i>ACS Nano</i> , 2018, 12, 9913-9921.	7.3	49
62	Transient analysis of erbium-doped fiber amplifiers. <i>IEEE Photonics Technology Letters</i> , 1994, 6, 1436-1438.	1.3	48
63	Experimental and theoretical analysis of fiber Bragg gratings under lateral compression. <i>Optics Communications</i> , 2002, 206, 81-87.	1.0	48
64	Fabrication of long-period gratings in poly(methyl methacrylate-co-methyl vinyl ketone-co-benzyl) Tj ETQq0 0 0 rgBTJ Overlock 10 Tf 50	1.7	48
65	Time- and wavelength-division multiplexing of FBG sensors using a semiconductor optical amplifier in ring cavity configuration. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 2709-2711.	1.3	48
66	Generation of multiple gain-guided solitons in a fiber laser. <i>Optics Letters</i> , 2007, 32, 1581.	1.7	48
67	Widely tunable mode-locked fiber laser using carbon nanotube and LPG W-shaped filter. <i>Optics Letters</i> , 2015, 40, 4329.	1.7	48
68	Measurement of Pulse Wave Signals and Blood Pressure by a Plastic Optical Fiber FBG Sensor. <i>Sensors</i> , 2019, 19, 5088.	2.1	48
69	Tunable dual-wavelength-switching fiber grating laser. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 334-336.	1.3	47
70	A strain sensor based on in-line fiber Mach-Zehnder interferometer in twin-core photonic crystal fiber. <i>Optics Communications</i> , 2013, 309, 68-70.	1.0	47
71	Tilted Bragg gratings in step-index polymer optical fiber. <i>Optics Letters</i> , 2014, 39, 6835.	1.7	47
72	Fabrication, Characterization, and Sensing Applications of a High-Birefringence Suspended-Core Fiber. <i>Journal of Lightwave Technology</i> , 2014, 32, 2113-2122.	2.7	47

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73	Integrated microfluidic flowmeter based on a micro-FBG inscribed in Co <sup>2+</sup> -doped optical fiber. Optics Letters, 2014, 39, 5877.	1.7	46
74	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. Journal of Lightwave Technology, 2017, 35, 2994-3002.	2.7	46
75	Cladding-mode-assisted recouplings in concatenated long-period and fiber Bragg gratings. Optics Letters, 2002, 27, 1214.	1.7	45
76	Real-Time Train Wheel Condition Monitoring by Fiber Bragg Grating Sensors. International Journal of Distributed Sensor Networks, 2012, 8, 409048.	1.3	45
77	Structural and mechanical properties of polymeric optical fiber. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 364, 256-259.	2.6	44
78	Passive harmonic mode locking of twin-pulse solitons in an erbium-doped fiber ring laser. Optics Communications, 2004, 229, 363-370.	1.0	44
79	Switchable multiwavelength erbium-doped fiber laser with a multimode fiber Bragg grating and photonic crystal fiber. IEEE Photonics Technology Letters, 2006, 18, 1088-1090.	1.3	44
80	Linear cavity erbium-doped fiber laser with over 100 nm tuning range. Optics Express, 2003, 11, 1689.	1.7	43
81	Growth of long-period gratings in H <sub>2</sub> -loaded fiber after 193-nm UV inscription. IEEE Photonics Technology Letters, 2000, 12, 642-644.	1.3	42
82	VCSEL-Based Tilted Fiber Grating Vibration Sensing System. IEEE Photonics Technology Letters, 2010, 22, 1235-1237.	1.3	42
83	Beat-frequency adjustable Er <sup>3+</sup> -doped DBR fiber laser for ultrasound detection. Optics Express, 2011, 19, 2485.	1.7	42
84	Single-measurement digital optical frequency comb based phase-detection Brillouin optical time domain analyzer. Optics Express, 2017, 25, 9213.	1.7	41
85	Pattern recognition in distributed fiber-optic acoustic sensor using an intensity and phase stacked convolutional neural network with data augmentation. Optics Express, 2021, 29, 3269.	1.7	40
86	Non-invasive human vital signs monitoring based on twin-core optical fiber sensors. Biomedical Optics Express, 2019, 10, 5940.	1.5	40
87	OPTICAL PROPERTIES OF PHOTONIC CRYSTAL FIBERS WITH A FIBER CORE OF ARRAYS OF SUBWAVELENGTH CIRCULAR AIR HOLES: BIREFRINGENCE AND DISPERSION. Progress in Electromagnetics Research, 2010, 105, 193-212.	1.6	39
88	Microstructured Optical Fiber Sensors. Journal of Lightwave Technology, 2017, 35, 3425-3439.	2.7	39
89	Intensity-modulated fiber Bragg grating sensor system based on radio-frequency signal measurement. Optics Letters, 2008, 33, 482.	1.7	38
90	Multiwavelength laser source using linear optical amplifier. IEEE Photonics Technology Letters, 2005, 17, 1611-1613.	1.3	37

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91	Special structured polymer fibers for sensing applications. <i>Optical Fiber Technology</i> , 2010, 16, 357-366.	1.4	37
92	Label-free, disposable fiber-optic biosensors for DNA hybridization detection. <i>Analyst, The</i> , 2013, 138, 1988.	1.7	37
93	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. <i>Journal of Lightwave Technology</i> , 2018, 36, 3672-3677.	2.7	37
94	Strain gradient chirp of uniform fiber Bragg grating without shift of central Bragg wavelength. <i>Optics Communications</i> , 2002, 202, 91-95.	1.0	36
95	High-speed fibre Bragg grating sensor interrogation using dispersion-compensation fibre. <i>Electronics Letters</i> , 2008, 44, 618.	0.5	36
96	Highly Birefringent Terahertz Fibers Based on Super-Cell Structure. <i>Journal of Lightwave Technology</i> , 2010, 28, 1858-1863.	2.7	36
97	Highly Sensitive Compact Force Sensor Based on Microfiber Bragg Grating. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 700-702.	1.3	36
98	1-cm-Spatial-Resolution Brillouin Optical Time-Domain Analysis Based on Bright Pulse Brillouin Gain and Complementary Code. <i>IEEE Photonics Journal</i> , 2012, 4, 2243-2248.	1.0	36
99	Fiber Optic pH Sensor with Self-Assembled Polymer Multilayer Nanocoatings. <i>Sensors</i> , 2013, 13, 1425-1434.	2.1	36
100	Large dynamic range pressure sensor based on two semicircle-holes microstructured fiber. <i>Scientific Reports</i> , 2018, 8, 65.	1.6	36
101	Highly stable fiber Bragg gratings written in hydrogen-loaded fiber. <i>IEEE Photonics Technology Letters</i> , 2000, 12, 1349-1351.	1.3	35
102	Discrimination between strain and temperature with a single fiber Bragg grating. <i>Microwave and Optical Technology Letters</i> , 2002, 33, 200-202.	0.9	35
103	High-Frequency Ultrasonic Hydrophone Based on a Cladding-Etched DBR Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 548-550.	1.3	35
104	Viscosity of silica optical fibres characterized using regenerated gratings. <i>Acta Materialia</i> , 2013, 61, 6071-6081.	3.8	35
105	Optical Fiber-Tip Fabry-Pérot Interferometric Pressure Sensor Based on an <i>In Situ</i> 1/4-Printed Air Cavity. <i>Journal of Lightwave Technology</i> , 2018, 36, 3618-3623.	2.7	35
106	Demonstration of an all-optical switch by use of a multiwavelength mutual injection-locked laser diode. <i>Optics Letters</i> , 2003, 28, 837.	1.7	34
107	Observation of dip-type sidebands in a soliton fiber laser. <i>Optics Communications</i> , 2010, 283, 340-343.	1.0	34
108	In-line microfluidic integration of photonic crystal fibres as a highly sensitive refractometer. <i>Analyst, The</i> , 2014, 139, 5422-5429.	1.7	34

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109	Fiber-Optic Anemometer Based on Bragg Grating Inscribed in Metal-Filled Microstructured Optical Fiber. <i>Journal of Lightwave Technology</i> , 2016, 34, 4884-4889.	2.7	34
110	The pore water pressure sensor based on Sagnac interferometer with polarization-maintaining photonic crystal fiber for the geotechnical engineering. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 90, 208-214.	2.5	34
111	Side-Hole Photonic Crystal Fiber With Ultrahigh Polarimetric Pressure Sensitivity. <i>Journal of Lightwave Technology</i> , 2011, 29, 943-948.	2.7	33
112	Strong $\text{LP}_{01}$ and $\text{LP}_{11}$ Mutual Coupling Conversion in a Two-Mode Fiber Bragg Grating. <i>IEEE Photonics Journal</i> , 2012, 4, 1080-1086.	1.0	33
113	Ultrasensitive optofluidic enzyme-linked immunosorbent assay by on-chip integrated polymer whispering-gallery-mode microlaser sensors. <i>Lab on A Chip</i> , 2020, 20, 2438-2446.	3.1	33
114	A Novel Fiber Bragg Grating Sensor Configuration for Long-Distance Quasi-Distributed Measurement. <i>IEEE Sensors Journal</i> , 2008, 8, 1598-1602.	2.4	32
115	Linear photonic radio frequency phase shifter using a differential-group-delay element and an optical phase modulator. <i>Optics Letters</i> , 2010, 35, 1881.	1.7	32
116	Torsion sensor based on inter-core mode coupling in seven-core fiber. <i>Optics Express</i> , 2018, 26, 19835.	1.7	32
117	Regimes of operation states in passively mode-locked fiber soliton ring laser. <i>Optics and Laser Technology</i> , 2004, 36, 299-307.	2.2	31
118	Very sensitive fiber Bragg grating accelerometer using transverse forces with an easy over-range protection and low cross axial sensitivity. <i>Applied Optics</i> , 2013, 52, 6401.	0.9	31
119	Temperature sensing in BOTDA system by using artificial neural network. <i>Electronics Letters</i> , 2015, 51, 1578-1580.	0.5	31
120	Two-dimensional vector accelerometer based on Bragg gratings inscribed in a multi-core fiber. <i>Optics Express</i> , 2019, 27, 20848.	1.7	31
121	Photopolymer microtips for efficient light coupling between single-mode fibers and photonic crystal fibers. <i>Optics Letters</i> , 2006, 31, 1791.	1.7	30
122	Wideband-adjustable reflection-suppressed rejection filters using chirped and tilted fiber gratings. <i>Optics Express</i> , 2014, 22, 24430.	1.7	30
123	Distributed Vibration Sensor Based on Space-Division Multiplexed Reflectometer and Interferometer in Multicore Fiber. <i>Journal of Lightwave Technology</i> , 2018, 36, 5764-5772.	2.7	30
124	Silicone Rubber Based Highly Sensitive Fiber-Optic Fabry-Pérot Interferometric Gas Pressure Sensor. <i>Sensors</i> , 2020, 20, 4927.	2.1	30
125	Pump-induced thermal effects in Er-Yb fiber grating DBR lasers. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 1253-1255.	1.3	29
126	Room temperature multiwavelength erbium-doped fiber ring laser using a highly nonlinear photonic crystal fiber. <i>Optics Communications</i> , 2006, 260, 670-674.	1.0	29

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127	Experimental and Theoretical Investigation of the Polymer Optical Fiber Random Laser with Resonant Feedback. <i>Advanced Optical Materials</i> , 2018, 6, 1701187.	3.6	29
128	3D $\hat{1}/4$ -printing of polytetrafluoroethylene microstructures: A route to superhydrophobic surfaces and devices. <i>Applied Materials Today</i> , 2020, 19, 100580.	2.3	29
129	Single-Mode Perfluorinated Polymer Optical Fibers With Refractive Index of 1.34 for Biomedical Applications. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 106-108.	1.3	28
130	Polarization-maintaining fiber-optic-grating vector vibroscope. <i>Optics Letters</i> , 2013, 38, 531.	1.7	28
131	Rapid 3D $\hat{A}$ -printing of polymer optical whispering-gallery mode resonators. <i>Optics Express</i> , 2015, 23, 29708.	1.7	28
132	Simultaneous repolarization of two 10-Gb/s polarization-scrambled wavelength channels using a mutual-injection-locked laser diode. <i>IEEE Photonics Technology Letters</i> , 2002, 14, 1740-1742.	1.3	27
133	A Highly Sensitive and Low-Cost Sagnac Loop Based Pressure Sensor. <i>IEEE Sensors Journal</i> , 2013, 13, 3073-3078.	2.4	27
134	Highly efficient ytterbium-doped phosphosilicate fiber lasers operating below 1020nm. <i>Optics Express</i> , 2015, 23, 17693.	1.7	27
135	Single nanosecond-pulse production of polymeric fiber Bragg gratings for biomedical applications. <i>Optics Express</i> , 2020, 28, 33573.	1.7	27
136	Optical automatic gain control of EDFA using two oscillating lasers in a single feedback loop. <i>Optics Communications</i> , 2003, 225, 157-162.	1.0	26
137	Effects of active fiber length on the tunability of erbium-doped fiber ring lasers. <i>Optics Express</i> , 2003, 11, 3622.	1.7	26
138	Polarimetric heterodyning fiber laser sensor for directional acoustic signal measurement. <i>Optics Express</i> , 2013, 21, 18273.	1.7	26
139	Static Vertical Displacement Measurement of Bridges Using Fiber Bragg Grating (FBG) Sensors. <i>Advances in Structural Engineering</i> , 2013, 16, 165-176.	1.2	26
140	Enhanced Coherent BOTDA System Without Trace Averaging. <i>Journal of Lightwave Technology</i> , 2018, 36, 871-878.	2.7	26
141	Biofluidic Random Laser Cytometer for Biophysical Phenotyping of Cell Suspensions. <i>ACS Sensors</i> , 2019, 4, 832-840.	4.0	26
142	Ultracompact optical fiber acoustic sensors based on a fiber-top spirally-suspended optomechanical microresonator. <i>Optics Letters</i> , 2020, 45, 3516.	1.7	26
143	Temperature independent strain measurement with a fiber grating tapered cavity sensor. <i>IEEE Photonics Technology Letters</i> , 1999, 11, 596-598.	1.3	25
144	High-temperature-resistant distributed Bragg reflector fiber laser written in Er/Yb co-doped fiber. <i>Optics Express</i> , 2008, 16, 2958.	1.7	25

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145	Mechanism for stable, ultra-flat multiwavelength operation in erbium-doped fiber lasers employing intensity-dependent loss. Optics and Laser Technology, 2012, 44, 74-77.	2.2	25
146	Development of Level Sensors Based on Fiber Bragg Grating for Railway Track Differential Settlement Measurement. IEEE Sensors Journal, 2016, 16, 6346-6350.	2.4	25
147	All-Fiber Two-Dimensional Inclinometer Based on Bragg Gratings Inscribed in a Seven-Core Multi-Core Fiber. Journal of Lightwave Technology, 2020, 38, 2516-2522.	2.7	25
148	<title>Long-period fiber grating bending sensors in laminated composite structures</title>. , 1998, 3330, 284.		24
149	Optical Fiber-Tip Sensors Based on In-Situ $\mu$ -Printed Polymer Suspended-Microbeams. Sensors, 2018, 18, 1825.	2.1	24
150	Step-changed long-period fiber gratings. IEEE Photonics Technology Letters, 2002, 14, 657-659.	1.3	23
151	Ultrawide-band La-codoped Bi <sup>2+</sup> /O <sup>3-</sup> -based EDFA for L-band DWDM systems. IEEE Photonics Technology Letters, 2003, 15, 1525-1527.	1.3	23
152	High Fundamental Repetition Rate Fiber Lasers Operated in Strong Normal Dispersion Regime. IEEE Photonics Technology Letters, 2009, 21, 724-726.	1.3	23
153	Enhanced intermodal four-wave mixing for visible and near-infrared wavelength generation in a photonic crystal fiber. Optics Letters, 2015, 40, 1338.	1.7	23
154	Highly sensitive miniature fluidic flowmeter based on an FBG heated by Co <sup>2+</sup> -doped fiber. Optics Express, 2017, 25, 4393.	1.7	23
155	Magnetic field sensor of enhanced sensitivity and temperature self-calibration based on silica fiber Fabry-Perot resonator with silicone cavity. Optics Express, 2017, 25, 8108.	1.7	23
156	Optofluidics in Microstructured Optical Fibers. Micromachines, 2018, 9, 145.	1.4	23
157	Two semicircular-hole fiber in a Sagnac loop for simultaneous discrimination of torsion, strain and temperature. Optics Express, 2020, 28, 33841.	1.7	23
158	Distributed temperature sensing with erbium-doped fiber amplifiers. Journal of Lightwave Technology, 1996, 14, 2236-2245.	2.7	22
159	Period-doubling of vector solitons in a ring fiber laser. Optics Communications, 2008, 281, 5614-5617.	1.0	22
160	Multiwavelength Erbium-Doped Fiber Laser Employing Cavity Loss Modulation. IEEE Photonics Technology Letters, 2009, 21, 1314-1316.	1.3	22
161	Signed chromatic dispersion monitoring of 100Gbit/s CS-RZ DQPSK signal by evaluating the asymmetry ratio of delay tap sampling. Optics Express, 2010, 18, 3149.	1.7	22
162	Single tilted Bragg reflector fiber laser for simultaneous sensing of refractive index and temperature. Optics Express, 2011, 19, 409.	1.7	22

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163	Hybrid Graphene-Silicon Based Polarization-Insensitive Electro-Absorption Modulator with High-Modulation Efficiency and Ultra-Broad Bandwidth. <i>Nanomaterials</i> , 2019, 9, 157.	1.9	22
164	Low gas pressure sensor based on a polymer optical fiber grating. <i>Optics Letters</i> , 2021, 46, 933.	1.7	22
165	Rectangular single-mode polymer optical fiber for femtosecond laser inscription of FBGs. <i>Photonics Research</i> , 2021, 9, 1931.	3.4	22
166	Hydrogel based Fabry-Pérot cavity for a pH sensor. <i>Optics Express</i> , 2020, 28, 39640.	1.7	22
167	Temperature-tuned erbium-doped fiber ring laser with polymer-coated fiber grating. <i>Optics Communications</i> , 2002, 202, 331-334.	1.0	21
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