

Hwa-Yaw Tam

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368
papers

8,197
citations

44
h-index

70
g-index

452
ext. papers

10,174
ext. citations

3.2
avg, IF

6.12
L-index

#	Paper	IF	Citations
368	Fiber Bragg grating sensors for structural health monitoring of Tsing Ma bridge: Background and experimental observation. <i>Engineering Structures</i> , 2006 , 28, 648-659	4.7	284
367	Temperature-insensitive strain sensor with polarization-maintaining photonic crystal fiber based Sagnac interferometer. <i>Applied Physics Letters</i> , 2007 , 90, 151113	3.4	273
366	Simultaneous strain and temperature measurement using a superstructure fiber Bragg grating. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 675-677	2.2	209
365	Mode-division multiplexed transmission with inline few-mode fiber amplifier. <i>Optics Express</i> , 2012 , 20, 2668-80	3.3	204
364	Stable and uniform multiwavelength erbium-doped fiber laser using nonlinear polarization rotation. <i>Optics Express</i> , 2006 , 14, 8205-10	3.3	190
363	High-pressure and high-temperature characteristics of a Fabry-Perot interferometer based on photonic crystal fiber. <i>Optics Letters</i> , 2011 , 36, 412-4	3	147
362	Rapid 3D Patterning of Poly(acrylic acid) Ionic Hydrogel for Miniature pH Sensors. <i>Advanced Materials</i> , 2016 , 28, 1394-9	24	116
361	Fiber Bragg grating cavity sensor for simultaneous measurement of strain and temperature. <i>IEEE Photonics Technology Letters</i> , 1999 , 11, 105-107	2.2	115
360	Dissipative vector solitons in a dispersionmanaged cavity fiber laser with net positive cavity dispersion. <i>Optics Express</i> , 2009 , 17, 455-60	3.3	110
359	Reflective tilted fiber Bragg grating refractometer based on strong cladding to core recoupling. <i>Optics Express</i> , 2009 , 17, 5736-42	3.3	110
358	Tilted fiber grating accelerometer incorporating an abrupt biconical taper for cladding to core recoupling. <i>Optics Express</i> , 2009 , 17, 20651-60	3.3	101
357	Laser-induced thermal bubbles for microfluidic applications. <i>Lab on A Chip</i> , 2011 , 11, 1389-95	7.2	96
356	All-optical fiber anemometer based on laser heated fiber Bragg gratings. <i>Optics Express</i> , 2011 , 19, 10124-30	3.3	91
355	Signal processing using artificial neural network for BOTDA sensor system. <i>Optics Express</i> , 2016 , 24, 6769-82	3.3	80
354	Fundamentals and applications of optical fiber Bragg grating sensors to textile structural composites. <i>Composite Structures</i> , 1998 , 42, 217-229	5.3	78
353	Induced solitons formed by cross-polarization coupling in a birefringent cavity fiber laser. <i>Optics Letters</i> , 2008 , 33, 2317-9	3	77
352	Polarimetric Heterodyning Fiber Grating Laser Sensors. <i>Journal of Lightwave Technology</i> , 2012 , 30, 1097-1112	4.1	73

351	Ultrasonic hydrophone based on distributed Bragg reflector fiber laser. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 169-171	2.2	72
350	Temperature-independent fiber Bragg grating tilt sensor. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 224-226	2.2	72
349	Multiwavelength erbium-doped fiber laser employing a nonlinear optical loop mirror. <i>Optics Communications</i> , 2006 , 268, 278-281	2	71
348	120nm Bandwidth noise-like pulse generation in an erbium-doped fiber laser. <i>Optics Communications</i> , 2008 , 281, 157-161	2	70
347	Stimulated soliton pulse formation and its mechanism in a passively mode-locked fibre soliton laser. <i>Optics Communications</i> , 1999 , 165, 189-194	2	69
346	High-Resolution Strain and Temperature Sensor Based on Distributed Bragg Reflector Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1598-1600	2.2	68
345	Fiber Bragg grating sensor for simultaneous measurement of displacement and temperature. <i>Optics Letters</i> , 2000 , 25, 1141-3	3	68
344	Ultra-fast polymer optical fibre Bragg grating inscription for medical devices. <i>Light: Science and Applications</i> , 2018 , 7, 17161	16.7	67
343	Simultaneous strain and temperature measurement using a single fibre Bragg grating. <i>Electronics Letters</i> , 2000 , 36, 1018	1.1	66
342	In-line open-cavity Fabry-Pérot interferometer formed by C-shaped fiber forttemperature-insensitive refractive index sensing. <i>Optics Express</i> , 2014 , 22, 21757-66	3.3	64
341	. <i>IEEE Sensors Journal</i> , 2010 , 10, 1905-1912	4	63
340	Stable and broad bandwidth multiwavelength fiber ring laser incorporating a highly nonlinear photonic crystal fiber. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2535-2537	2.2	63
339	Salinity sensor based on polyimide-coated photonic crystal fiber. <i>Optics Express</i> , 2011 , 19, 20003-8	3.3	62
338	Trans-4-stilbenemethanol-doped photosensitive polymer fibers and gratings. <i>Optics Letters</i> , 2004 , 29, 156-8	3	62
337	Intermodal coupling of supermodes in a twin-core photonic crystal fiber and its application as a pressure sensor. <i>Optics Express</i> , 2012 , 20, 21749-57	3.3	60
336	Operando decoding of chemical and thermal events in commercial Na(Li)-ion cells via optical sensors. <i>Nature Energy</i> , 2020 , 5, 674-683	62.3	58
335	Temperature-Insensitive Fiber Bragg Grating Based Tilt Sensor With Large Dynamic Range. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1714-1720	4	57
334	Characteristics of the distributed Bragg reflector fiber laser sensor for lateral force measurement. <i>Optics Communications</i> , 2008 , 281, 4619-4622	2	57

333	Fiber-laser-based wavelength-division multiplexed fiber Bragg grating sensor system. <i>IEEE Photonics Technology Letters</i> , 2001 , 13, 702-704	2.2	57
332	Highly sensitive bending sensor based on Er ³⁺ -doped DBR fiber laser. <i>Optics Express</i> , 2010 , 18, 17834-40	3.3	53
331	Coexistence of polarization-locked and polarization-rotating vector solitons in a fiber laser with SESAM. <i>Optics Letters</i> , 2009 , 34, 3059-61	3	49
330	Low-loss waveguide crossing using a multimode interference structure. <i>Optics Communications</i> , 2004 , 241, 99-104	2	49
329	Highly reflective Bragg gratings in slightly etched step-index polymer optical fiber. <i>Optics Express</i> , 2014 , 22, 18807-17	3.3	48
328	Dynamics of gain-guided solitons in an all-normal-dispersion fiber laser. <i>Optics Letters</i> , 2007 , 32, 1806-8	3	48
327	In-line microfluidic refractometer based on C-shaped fiber assisted photonic crystal fiber Sagnac interferometer. <i>Optics Letters</i> , 2013 , 38, 3283-6	3	46
326	Acousto-ultrasonic sensing for delaminated GFRP composites using an embedded FBG sensor. <i>Optics and Lasers in Engineering</i> , 2009 , 47, 1049-1055	4.6	45
325	Experimental and theoretical analysis of fiber Bragg gratings under lateral compression. <i>Optics Communications</i> , 2002 , 206, 81-87	2	44
324	Ultrahigh birefringence index-guiding photonic crystal fiber and its application for pressure and temperature discrimination. <i>Optics Letters</i> , 2013 , 38, 1385-7	3	43
323	Reconfigurable Microwave Photonic Filter Using Multiwavelength Erbium-Doped Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1334-1336	2.2	43
322	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	6.7	43
321	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	2.2	42
320	Tilted Bragg gratings in step-index polymer optical fiber. <i>Optics Letters</i> , 2014 , 39, 6835-8	3	40
319	Mode coupling dynamics and communication strategies for multi-core fiber systems. <i>Optics Express</i> , 2012 , 20, 4548-63	3.3	40
318	Fabrication of a compact reflective long-period grating sensor with a cladding-mode-selective fiber end-face mirror. <i>Optics Express</i> , 2009 , 17, 17976-82	3.3	40
317	Output power characteristics of tunable erbium-doped fiber ring lasers. <i>Journal of Lightwave Technology</i> , 2005 , 23, 1334-1341	4	40
316	Ultra-short distributed Bragg reflector fiber laser for sensing applications. <i>Optics Express</i> , 2009 , 17, 10050-5	3.3	39

315	Generation of multiple gain-guided solitons in a fiber laser. <i>Optics Letters</i> , 2007 , 32, 1581-3	3	39
314	Tunable dual-wavelength-switching fiber grating laser. <i>IEEE Photonics Technology Letters</i> , 1998 , 10, 334-336		39
313	Magnetostrictive composite fiber Bragg grating (MCFBG) magnetic field sensor. <i>Sensors and Actuators A: Physical</i> , 2012 , 173, 122-126	3.9	38
312	Dual polarization fiber grating laser hydrophone. <i>Optics Express</i> , 2009 , 17, 19544-50	3.3	38
311	Long-haul quasi-single-mode transmissions using few-mode fiber in presence of multi-path interference. <i>Optics Express</i> , 2015 , 23, 3156-69	3.3	37
310	Multiplexing of polarization-maintaining photonic crystal fiber based Sagnac interferometric sensors. <i>Optics Express</i> , 2009 , 17, 18501-12	3.3	37
309	Fabrication of long-period gratings in poly(methyl methacrylate-co-methyl vinyl ketone-co-benzyl methacrylate)-core polymer optical fiber by use of a mercury lamp. <i>Optics Letters</i> , 2005 , 30, 1117-9	3	37
308	Linear cavity erbium-doped fiber laser with over 100 nm tuning range. <i>Optics Express</i> , 2003 , 11, 1689-94	3.3	37
307	Transient analysis of erbium-doped fiber amplifiers. <i>IEEE Photonics Technology Letters</i> , 1994 , 6, 1436-1438	3.2	37
306	Multifunctional Smart Optical Fibers: Materials, Fabrication, and Sensing Applications. <i>Photonics</i> , 2019 , 6, 48	2.2	36
305	In situ 3D printed optical fiber-tip CO2 sensor using a photocrosslinkable poly(ionic liquid). <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 833-839	8.5	36
304	All-polymer fiber-optic pH sensor. <i>Optics Express</i> , 2018 , 26, 14610-14616	3.3	36
303	Structural and mechanical properties of polymeric optical fiber. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 364, 256-259	5.3	36
302	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	2	35
301	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	2.2	35
300	888 12-Gb/s WDM Transmission over 50 km of Three-Mode Fiber with Inline Few Mode Fiber Amplifier 2011 ,		35
299	Switchable multiwavelength erbium-doped fiber laser with a multimode fiber Bragg grating and photonic crystal fiber. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1088-1090	2.2	34
298	Cladding-mode-assisted recouplings in concatenated long-period and fiber Bragg gratings. <i>Optics Letters</i> , 2002 , 27, 1214-6	3	34

297	Integrated microfluidic flowmeter based on a micro-FBG inscribed in Co ²⁺ -doped optical fiber. <i>Optics Letters</i> , 2014 , 39, 5877-80	3	33
296	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. <i>Journal of Lightwave Technology</i> , 2017 , 35, 2994-3002	4	33
295	Single-measurement digital optical frequency comb based phase-detection Brillouin optical time domain analyzer. <i>Optics Express</i> , 2017 , 25, 9213-9224	3.3	32
294	Beat-frequency adjustable Er ³⁺ -doped DBR fiber laser for ultrasound detection. <i>Optics Express</i> , 2011 , 19, 2485-92	3.3	32
293	High-speed fibre Bragg grating sensor interrogation using dispersion-compensation fibre. <i>Electronics Letters</i> , 2008 , 44, 618	1.1	32
292	Ultrafast Light-Controlled Growth of Silver Nanoparticles for Direct Plasmonic Color Printing. <i>ACS Nano</i> , 2018 , 12, 9913-9921	16.7	31
291	Label-free, disposable fiber-optic biosensors for DNA hybridization detection. <i>Analyst, The</i> , 2013 , 138, 1988-94	5	31
290	VCSEL-Based Tilted Fiber Grating Vibration Sensing System. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 1235-1237	2.2	31
289	Highly stable fiber Bragg gratings written in hydrogen-loaded fiber. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 1349-1351	2.2	31
288	Fabrication, Characterization, and Sensing Applications of a High-Birefringence Suspended-Core Fiber. <i>Journal of Lightwave Technology</i> , 2014 , 32, 2113-2122	4	30
287	Highly Sensitive Compact Force Sensor Based on Microfiber Bragg Grating. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 700-702	2.2	30
286	Fiber optic pH sensor with self-assembled polymer multilayer nanocoatings. <i>Sensors</i> , 2013 , 13, 1425-34	3.8	30
285	Highly Birefringent Terahertz Fibers Based on Super-Cell Structure. <i>Journal of Lightwave Technology</i> , 2010 , 28, 1858-1863	4	30
284	High-Frequency Ultrasonic Hydrophone Based on a Cladding-Etched DBR Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 548-550	2.2	30
283	Multiwavelength laser source using linear optical amplifier. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1611-1613	2.2	30
282	Discrimination between strain and temperature with a single fiber Bragg grating. <i>Microwave and Optical Technology Letters</i> , 2002 , 33, 200-202	1.2	30
281	In-line microfluidic integration of photonic crystal fibres as a highly sensitive refractometer. <i>Analyst, The</i> , 2014 , 139, 5422-9	5	29
280	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	1.8	29

279	Special structured polymer fibers for sensing applications. <i>Optical Fiber Technology</i> , 2010 , 16, 357-366	2.4	29
278	Intensity-modulated fiber Bragg grating sensor system based on radio-frequency signal measurement. <i>Optics Letters</i> , 2008 , 33, 482-4	3	29
277	Passive harmonic mode locking of twin-pulse solitons in an erbium-doped fiber ring laser. <i>Optics Communications</i> , 2004 , 229, 363-370	2	28
276	Growth of long-period gratings in H ₂ -loaded fiber after 193-nm UV inscription. <i>IEEE Photonics Technology Letters</i> , 2000 , 12, 642-644	2.2	28
275	Large dynamic range pressure sensor based on two semicircle-holes microstructured fiber. <i>Scientific Reports</i> , 2018 , 8, 65	4.9	27
274	OPTICAL PROPERTIES OF PHOTONIC CRYSTAL FIBERS WITH A FIBER CORE OF ARRAYS OF SUBWAVELENGTH CIRCULAR AIR HOLES: BIREFRINGENCE AND DISPERSION. <i>Progress in Electromagnetics Research</i> , 2010 , 105, 193-212	3.8	27
273	Real-Time Train Wheel Condition Monitoring by Fiber Bragg Grating Sensors. <i>International Journal of Distributed Sensor Networks</i> , 2012 , 8, 409048	1.7	27
272	Measurement of Pulse Wave Signals and Blood Pressure by a Plastic Optical Fiber FBG Sensor. <i>Sensors</i> , 2019 , 19,	3.8	27
271	Widely tunable mode-locked fiber laser using carbon nanotube and LPG W-shaped filter. <i>Optics Letters</i> , 2015 , 40, 4329-32	3	26
270	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	4.9	26
269	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, 6401-10	1.7	25
268	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	2.2	25
267	Regimes of operation states in passively mode-locked fiber soliton ring laser. <i>Optics and Laser Technology</i> , 2004 , 36, 299-307	4.2	25
266	Strain gradient chirp of uniform fiber Bragg grating without shift of central Bragg wavelength. <i>Optics Communications</i> , 2002 , 202, 91-95	2	25
265	Viscosity of silica optical fibres characterized using regenerated gratings. <i>Acta Materialia</i> , 2013 , 61, 607186-181	4.081	24
264	Microstructured Optical Fiber Sensors. <i>Journal of Lightwave Technology</i> , 2017 , 35, 3425-3439	4	24
263	Rapid 3D µ-printing of polymer optical whispering-gallery mode resonators. <i>Optics Express</i> , 2015 , 23, 29708-14	3.3	24
262	Strong LP ₀₁ and LP ₁₁ Mutual Coupling Conversion in a Two-Mode Fiber Bragg Grating. <i>IEEE Photonics Journal</i> , 2012 , 4, 1080-1086	1.8	24

261	Side-Hole Photonic Crystal Fiber With Ultrahigh Polarimetric Pressure Sensitivity. <i>Journal of Lightwave Technology</i> , 2011 , 29, 943-948	4	24
260	Linear photonic radio frequency phase shifter using a differential-group-delay element and an optical phase modulator. <i>Optics Letters</i> , 2010 , 35, 1881-3	3	24
259	Photopolymer microtips for efficient light coupling between single-mode fibers and photonic crystal fibers. <i>Optics Letters</i> , 2006 , 31, 1791-3	3	24
258	Room temperature multiwavelength erbium-doped fiber ring laser using a highly nonlinear photonic crystal fiber. <i>Optics Communications</i> , 2006 , 260, 670-674	2	24
257	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3672-3677	4	24
256	A Highly Sensitive and Low-Cost Sagnac Loop Based Pressure Sensor. <i>IEEE Sensors Journal</i> , 2013 , 13, 3073-3078	4	23
255	Static Vertical Displacement Measurement of Bridges Using Fiber Bragg Grating (FBG) Sensors. <i>Advances in Structural Engineering</i> , 2013 , 16, 165-176	1.9	23
254	High-temperature-resistant distributed Bragg reflector fiber laser written in Er/Yb co-doped fiber. <i>Optics Express</i> , 2008 , 16, 2958-64	3.3	23
253	Effects of active fiber length on the tunability of erbium-doped fiber ring lasers. <i>Optics Express</i> , 2003 , 11, 3622-7	3.3	23
252	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	4.6	22
251	Optical Fiber-Tip Fabry-Pérot Interferometric Pressure Sensor Based on an In Situ 3D-Printed Air Cavity. <i>Journal of Lightwave Technology</i> , 2018 , 36, 3618-3623	4	22
250	Demonstration of an all-optical switch by use of a multiwavelength mutual injection-locked laser diode. <i>Optics Letters</i> , 2003 , 28, 837-9	3	22
249	Enhanced Coherent BOTDA System Without Trace Averaging. <i>Journal of Lightwave Technology</i> , 2018 , 36, 871-878	4	21
248	Temperature sensing in BOTDA system by using artificial neural network. <i>Electronics Letters</i> , 2015 , 51, 1578-1580	1.1	21
247	Polarimetric heterodyning fiber laser sensor for directional acoustic signal measurement. <i>Optics Express</i> , 2013 , 21, 18273-80	3.3	21
246	Observation of dip-type sidebands in a soliton fiber laser. <i>Optics Communications</i> , 2010 , 283, 340-343	2	21
245	Torsion sensor based on inter-core mode coupling in seven-core fiber. <i>Optics Express</i> , 2018 , 26, 19835-19844	3.4	21
244	Highly efficient ytterbium-doped phosphosilicate fiber lasers operating below 1020 nm. <i>Optics Express</i> , 2015 , 23, 17693-700	3.3	20

243	Optical automatic gain control of EDFA using two oscillating lasers in a single feedback loop. <i>Optics Communications</i> , 2003 , 225, 157-162	2	20
242	Experimental and Theoretical Investigation of the Polymer Optical Fiber Random Laser with Resonant Feedback. <i>Advanced Optical Materials</i> , 2018 , 6, 1701187	8.1	19
241	Development of Level Sensors Based on Fiber Bragg Grating for Railway Track Differential Settlement Measurement. <i>IEEE Sensors Journal</i> , 2016 , 16, 6346-6350	4	19
240	A Novel Fiber Bragg Grating Sensor Configuration for Long-Distance Quasi-Distributed Measurement. <i>IEEE Sensors Journal</i> , 2008 , 8, 1598-1602	4	19
239	Ultrawide-band La-codoped Bi/sub 2/O/sub 3/-based EDFA for L-band DWDM systems. <i>IEEE Photonics Technology Letters</i> , 2003 , 15, 1525-1527	2.2	19
238	Temperature independent strain measurement with a fiber grating tapered cavity sensor. <i>IEEE Photonics Technology Letters</i> , 1999 , 11, 596-598	2.2	19
237	Fiber-Optic Anemometer Based on Bragg Grating Inscribed in Metal-Filled Microstructured Optical Fiber. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4884-4889	4	19
236	Enhanced intermodal four-wave mixing for visible and near-infrared wavelength generation in a photonic crystal fiber. <i>Optics Letters</i> , 2015 , 40, 1338-41	3	18
235	Wideband-adjustable reflection-suppressed rejection filters using chirped and tilted fiber gratings. <i>Optics Express</i> , 2014 , 22, 24430-8	3.3	18
234	Polarization-maintaining fiber-optic-grating vector vibroscope. <i>Optics Letters</i> , 2013 , 38, 531-3	3	18
233	High Fundamental Repetition Rate Fiber Lasers Operated in Strong Normal Dispersion Regime. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 724-726	2.2	18
232	Multiwavelength fiber lasers based on multimode fiber Bragg gratings using offset launch technique. <i>Optics Communications</i> , 2006 , 263, 295-299	2	18
231	Fabrication of UV sensitive single-mode polymeric optical fiber. <i>Optical Materials</i> , 2006 , 28, 181-188	3.3	18
230	Optical Fiber-Tip Sensors Based on In-Situ μ -Printed Polymer Suspended-Microbeams. <i>Sensors</i> , 2018 , 18,	3.8	17
229	Multiwavelength Erbium-Doped Fiber Laser Employing Cavity Loss Modulation. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1314-1316	2.2	17
228	Pump-induced thermal effects in Er-Yb fiber grating DBR lasers. <i>IEEE Photonics Technology Letters</i> , 1998 , 10, 1253-1255	2.2	17
227	Effect of laser illumination on the morphology and optical property of few-layer MoS2 nanosheet in NMP and PMMA. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 678-683	7.1	16
226	Highly sensitive miniature fluidic flowmeter based on an FBG heated by Co ²⁺ -doped fiber. <i>Optics Express</i> , 2017 , 25, 4393-4402	3.3	16

225	Mechanism for stable, ultra-flat multiwavelength operation in erbium-doped fiber lasers employing intensity-dependent loss. <i>Optics and Laser Technology</i> , 2012 , 44, 74-77	4.2	16
224	Optimization of Raman-Assisted Fiber Optical Parametric Amplifier Gain. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1172-1181	4	16
223	SUPER-LATTICE STRUCTURE PHOTONIC CRYSTAL FIBER. <i>Progress in Electromagnetics Research M</i> , 2010 , 11, 53-64	0.6	16
222	Period-doubling of vector solitons in a ring fiber laser. <i>Optics Communications</i> , 2008 , 281, 5614-5617	2	16
221	Temperature-tuned erbium-doped fiber ring laser with polymer-coated fiber grating. <i>Optics Communications</i> , 2002 , 202, 331-334	2	16
220	Step-changed long-period fiber gratings. <i>IEEE Photonics Technology Letters</i> , 2002 , 14, 657-659	2.2	16
219	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	2.2	16
218	Non-invasive human vital signs monitoring based on twin-core optical fiber sensors. <i>Biomedical Optics Express</i> , 2019 , 10, 5940-5951	3.5	16
217	Optofluidics in Microstructured Optical Fibers. <i>Micromachines</i> , 2018 , 9,	3.3	15
216	Single tilted Bragg reflector fiber laser for simultaneous sensing of refractive index and temperature. <i>Optics Express</i> , 2011 , 19, 409-14	3.3	15
215	Signed chromatic dispersion monitoring of 100Gbit/s CS-RZ DQPSK signal by evaluating the asymmetry ratio of delay tap sampling. <i>Optics Express</i> , 2010 , 18, 3149-57	3.3	15
214	Chromatic Dispersion Monitoring for DPSK Systems Using RF Power Spectrum. <i>Journal of Lightwave Technology</i> , 2009 , 27, 5704-5709	4	15
213	Distributed temperature sensing with erbium-doped fiber amplifiers. <i>Journal of Lightwave Technology</i> , 1996 , 14, 2236-2245	4	15
212	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	7.2	14
211	Magnetic field sensor of enhanced sensitivity and temperature self-calibration based on silica fiber Fabry-Perot resonator with silicone cavity. <i>Optics Express</i> , 2017 , 25, 8108-8114	3.3	14
210	Fiber Bragg grating strain modulation based on nonlinear string transverse-force amplifier. <i>Optics Letters</i> , 2013 , 38, 311-3	3	14
209	Bulk regeneration of optical fiber Bragg gratings. <i>Applied Optics</i> , 2012 , 51, 7165-9	1.7	14
208	Pulse breaking recovery in fiber lasers. <i>Optics Express</i> , 2008 , 16, 12102-7	3.3	14

207	Period-doubling of dispersion-managed solitons in an Erbium-doped fiber laser at around zero dispersion. <i>Optics Communications</i> , 2007 , 278, 428-433	2	14
206	High power erbium-doped fiber ring laser with widely tunable range over 100 nm. <i>Optics Communications</i> , 2003 , 224, 295-299	2	14
205	Long-period fiber grating bending sensors in laminated composite structures 1998 , 3330, 284		14
204	Two-dimensional vector accelerometer based on Bragg gratings inscribed in a multi-core fiber. <i>Optics Express</i> , 2019 , 27, 20848-20856	3.3	14
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25	Omnidirectional vibration sensor based on fiber Bragg gratings in a seven-core fiber 2019 ,		1
24	Optical 3D Printing of Polymer Whispering-Gallery-Mode Microcavity Lasers 2018 ,		1
23	Distribution Optical Sensor System on the 610-m Guangzhou New TV Tower 2011 ,		1
22	Accelerometer Based on Polarization-Maintaining Microstructured Fiber in Sagnac Interferometer 2018 ,		1
21	High-birefringence two-core fiber vector bending sensor 2018 ,		1
20	Characterization of FBGs inscribed in silica/silicone hybrid microstructured optical fibers 2019 ,		1
19	All-optical fiber filter based on an FBG inscribed in a silica/silicone composite fiber. <i>Optics Letters</i> , 2020 , 45, 4831-4834	3	1
18	Accelerometer Employing a Side-Hole Fiber in a Sagnac Interferometer. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3303-3311	4	1
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