

# Hwa-Yaw Tam

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Femtosecond laser point-by-point Bragg grating inscription in BDK-doped step-index PMMA optical fibers.. <i>Optics Letters</i> , <b>2022</b> , 47, 249-252	3	3
367	PCF based modal interferometer for lead ion detection.. <i>Optics Express</i> , <b>2022</b> , 30, 4895-4904	3.3	2
366	Regenerated polymer optical fiber Bragg gratings with thermal treatment for high temperature measurements. <i>Photonics Research</i> , <b>2022</b> , 10, 1011	6	3
365	A method of railway system safety analysis based on cusp catastrophe model. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 151, 105935	6.1	2
364	Random forest assisted vector displacement sensor based on a multicore fiber. <i>Optics Express</i> , <b>2021</b> , 29, 15852-15864	3.3	4
363	Accelerometer Employing a Side-Hole Fiber in a Sagnac Interferometer. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 3303-3311	4	1
362	Large refractive index modulation based on a BDK-doped step-index PMMA optical fiber for highly reflective Bragg grating inscription. <i>Optics Letters</i> , <b>2021</b> , 46, 2864-2867	3	3
361	Excellent Thermal Stability of Optical Fiber Grating Inscribed on Thermosetting Silicone. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 1483-1488	4	
360	Direct Printing of Micropatterned Plasmonic Substrates of Size-Controlled Gold Nanoparticles by Precision Photoreduction. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001368	8.1	1
359	Bragg Gratings in Two-Core Rectangular Fiber for Discrimination of Curvature, Strain, and Temperature Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-7	5.2	4
358	Pattern recognition in distributed fiber-optic acoustic sensor using an intensity and phase stacked convolutional neural network with data augmentation. <i>Optics Express</i> , <b>2021</b> , 29, 3269-3283	3.3	5
357	. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	4
356	Low gas pressure sensor based on a polymer optical fiber grating. <i>Optics Letters</i> , <b>2021</b> , 46, 933-936	3	6
355	Multipath distributed acoustic sensing system based on phase-sensitive optical time-domain reflectometry with frequency division multiplexing technique. <i>Optics and Lasers in Engineering</i> , <b>2021</b> , 142, 106593	4.6	6
354	Rectangular single-mode polymer optical fiber for femtosecond laser inscription of FBGs. <i>Photonics Research</i> , <b>2021</b> , 9, 1931	6	6
353	Bend-Insensitive Grapefruit-Type Holey Ring-Core Fiber for Weakly-Coupled OAM Mode Division Multiplexing Transmission. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 4497-4503	4	9
352	Ultrasensitive optofluidic enzyme-linked immunosorbent assay by on-chip integrated polymer whispering-gallery-mode microlaser sensors. <i>Lab on A Chip</i> , <b>2020</b> , 20, 2438-2446	7.2	14

351	All-Fiber Two-Dimensional Inclinometer Based on Bragg Gratings Inscribed in a Seven-Core Multi-Core Fiber. <i>Journal of Lightwave Technology</i> , <b>2020</b> , 38, 2516-2522	4	9
350	3D Printing of polytetrafluoroethylene microstructures: A route to superhydrophobic surfaces and devices. <i>Applied Materials Today</i> , <b>2020</b> , 19, 100580	6.6	13
349	Microstructured optical fiber based Fabry-Pérot interferometer as a humidity sensor utilizing chitosan polymeric matrix for breath monitoring. <i>Scientific Reports</i> , <b>2020</b> , 10, 6002	4.9	26
348	Sensitive Mach-Zehnder interferometric sensor based on a grapefruit microstructured fiber by lateral offset splicing. <i>Optics Express</i> , <b>2020</b> , 28, 26564-26571	3.3	4
347	Two semicircular-hole fiber in a Sagnac loop for simultaneous discrimination of torsion, strain and temperature. <i>Optics Express</i> , <b>2020</b> , 28, 33841-33853	3.3	6
346	Single nanosecond-pulse production of polymeric fiber Bragg gratings for biomedical applications. <i>Optics Express</i> , <b>2020</b> , 28, 33573-33583	3.3	10
345	Hydrogel based Fabry-Pérot cavity for a pH sensor. <i>Optics Express</i> , <b>2020</b> , 28, 39640-39648	3.3	9
344	Ultracompact optical fiber acoustic sensors based on a fiber-top spirally-suspended optomechanical microresonator. <i>Optics Letters</i> , <b>2020</b> , 45, 3516-3519	3	11
343	Simultaneous measurement of temperature and strain based on a hollow core Bragg fiber. <i>Optics Letters</i> , <b>2020</b> , 45, 6122-6125	3	9
342	Resurgent regenerated fiber Bragg gratings and thermal annealing techniques for ultra-high temperature sensing beyond 1400°C. <i>Optics Express</i> , <b>2020</b> , 28, 10595-10608	3.3	3
341	Impact of high UV fluences on the mechanical and sensing properties of polymer optical fibers for high strain measurements. <i>Optics Express</i> , <b>2020</b> , 28, 1158-1167	3.3	4
340	All-optical fiber filter based on an FBG inscribed in a silica/silicone composite fiber. <i>Optics Letters</i> , <b>2020</b> , 45, 4831-4834	3	1
339	Operando decoding of chemical and thermal events in commercial Na(Li)-ion cells via optical sensors. <i>Nature Energy</i> , <b>2020</b> , 5, 674-683	62.3	58
338	Application of Fibre Bragg Grating Sensors in Strain Monitoring and Fracture Recovery of Human Femur Bone. <i>Bioengineering</i> , <b>2020</b> , 7,	5.3	2
337	Silicone Rubber Based Highly Sensitive Fiber-Optic Fabry-Perot Interferometric Gas Pressure Sensor. <i>Sensors</i> , <b>2020</b> , 20,	3.8	7
336	Hybrid Graphene-Silicon Based Polarization-Insensitive Electro-Absorption Modulator with High-Modulation Efficiency and Ultra-Broad Bandwidth. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	12
335	Multifunctional Smart Optical Fibers: Materials, Fabrication, and Sensing Applications. <i>Photonics</i> , <b>2019</b> , 6, 48	2.2	36
334	Biofluidic Random Laser Cytometer for Biophysical Phenotyping of Cell Suspensions. <i>ACS Sensors</i> , <b>2019</b> , 4, 832-840	9.2	11

333	Photonic Crystal Fiber Pressure Sensors <b>2019</b> , 261-285		3
332	Omnidirectional vibration sensor based on fiber Bragg gratings in a seven-core fiber <b>2019</b> ,		1
331	Non-invasive human vital signs monitoring based on twin-core optical fiber sensors. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 5940-5951	3.5	16
330	Single-ring suspended fiber for Bragg grating based hydrostatic pressure sensing. <i>Optics Express</i> , <b>2019</b> , 27, 9655-9664	3.3	12
329	Ring-core fiber with negative curvature structure supporting orbital angular momentum modes. <i>Optics Express</i> , <b>2019</b> , 27, 20358-20372	3.3	10
328	Two-dimensional vector accelerometer based on Bragg gratings inscribed in a multi-core fiber. <i>Optics Express</i> , <b>2019</b> , 27, 20848-20856	3.3	14
327	Novel accelerometer realized by a polarization-maintaining photonic crystal fiber for railway monitoring applications. <i>Optics Express</i> , <b>2019</b> , 27, 21597-21607	3.3	5
326	Fabry-Perot cavity-based contact force sensor with high precision and a broad operational range. <i>Optics Letters</i> , <b>2019</b> , 44, 3546-3549	3	7
325	Maximum amplification of a string transverse-force amplifier in fiber Bragg grating accelerometers. <i>OSA Continuum</i> , <b>2019</b> , 2, 938	1.4	2
324	Characterization of FBGs inscribed in silica/silicone hybrid microstructured optical fibers <b>2019</b> ,		1
323	Healing Assessment of Fractured Femur by Strain Measurement using Fibre Bragg Grating Sensors <b>2019</b> ,		2
322	3D EPrinted Polymer Whispering-Gallery-Mode Microcavity Laser Sensor Array <b>2019</b> ,		1
321	Measurement of Pulse Wave Signals and Blood Pressure by a Plastic Optical Fiber FBG Sensor. <i>Sensors</i> , <b>2019</b> , 19,	3.8	27
320	Integrated Force Sensor in a Cochlear Implant for Hearing Preservation Surgery. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2019</b> , 2019, 3819-3822s	0.9	1
319	Large dynamic range pressure sensor based on two semicircle-holes microstructured fiber. <i>Scientific Reports</i> , <b>2018</b> , 8, 65	4.9	27
318	Experimental and Theoretical Investigation of the Polymer Optical Fiber Random Laser with Resonant Feedback. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701187	8.1	19
317	In situ EPrinted optical fiber-tip CO2 sensor using a photocrosslinkable poly(ionic liquid). <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 833-839	8.5	36
316	Ultra-fast polymer optical fibre Bragg grating inscription for medical devices. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 17161	16.7	67

315	Enhanced Coherent BOTDA System Without Trace Averaging. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 871-878	4	21
314	All-polymer fiber-optic pH sensor. <i>Optics Express</i> , <b>2018</b> , 26, 14610-14616	3.3	36
313	Optical Fiber-Tip Sensors Based on In-Situ $\mu$ -Printed Polymer Suspended-Microbeams. <i>Sensors</i> , <b>2018</b> , 18,	3.8	17
312	Optical Fiber-Tip Fabry-Pérot Interferometric Pressure Sensor Based on an In Situ $\mu$ -Printed Air Cavity. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 3618-3623	4	22
311	Optofluidics in Microstructured Optical Fibers. <i>Micromachines</i> , <b>2018</b> , 9,	3.3	15
310	Bragg Gratings Inscription in TS-Doped PMMA POF by Using 248-nm KrF Pulses. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 1609-1612	2.2	8
309	Ultrafast Light-Controlled Growth of Silver Nanoparticles for Direct Plasmonic Color Printing. <i>ACS Nano</i> , <b>2018</b> , 12, 9913-9921	16.7	31
308	Optical 3D $\mu$ Printing of Polymer Whispering-Gallery-Mode Microcavity Lasers <b>2018</b> ,		1
307	Torsion sensor based on inter-core mode coupling in seven-core fiber. <i>Optics Express</i> , <b>2018</b> , 26, 19835-19844	3.3	21
306	Robust in-fiber spatial interferometer using multicore fiber for vibration detection. <i>Optics Express</i> , <b>2018</b> , 26, 29629-29637	3.3	12
305	Accelerometer Based on Polarization-Maintaining Microstructured Fiber in Sagnac Interferometer <b>2018</b> ,		1
304	High-birefringence two-core fiber vector bending sensor <b>2018</b> ,		1
303	Intelligent Optical Fibre Sensing Networks Facilitate Shift to Predictive Maintenance in Railway Systems <b>2018</b> ,		3
302	Averaging-free vector Brillouin optical time domain analyzer assisted by reference probe lightwave. <i>Optics Express</i> , <b>2018</b> , 26, 33993-34001	3.3	3
301	Distributed Vibration Sensor Based on Space-Division Multiplexed Reflectometer and Interferometer in Multicore Fiber. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 5764-5772	4	14
300	Stable Torsion Sensor with Tunable Sensitivity and Rotation Direction Discrimination Based on a tapered Trench-Assisted Multi Core Fiber <b>2018</b> ,		2
299	Fabrication and Sensing Applications of Special Microstructured Optical Fibers <b>2018</b> ,		3
298	Optical 3D $\mu$ printing of polytetrafluoroethylene (PTFE) microstructures <b>2018</b> ,		2

297	Highly Sensitive Twist Sensor Based on Partially Silver Coated Hollow Core Fiber Structure. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 3672-3677	4	24
296	Simulation of support settlement and cable slippage by using a long-span suspension bridge testbed. <i>Structure and Infrastructure Engineering</i> , <b>2017</b> , 13, 401-415	2.9	4
295	Demonstration of Intermodal Four-Wave Mixing by Femtosecond Pulses Centered at 1550 nm in an Air-Silica Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 2385-2390	4	3
294	Experimental generation of discrete ultraviolet wavelength by cascaded intermodal four-wave mixing in a multimode photonic crystal fiber. <i>Optics Letters</i> , <b>2017</b> , 42, 3537-3540	3	7
293	Deep-ultraviolet second-harmonic generation by combined degenerate four-wave mixing and surface nonlinearity polarization in photonic crystal fiber. <i>Scientific Reports</i> , <b>2017</b> , 7, 9224	4.9	2
292	Optically 3-D $\mu$ -Printed Ferrule-Top Polymer Suspended-Mirror Devices. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 7257-7261	4	7
291	Mid-Infrared Octave-Spanning Supercontinuum and Frequency Comb Generation in a Suspended Germanium-Membrane Ridge Waveguide. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 2994-3002	4	33
290	Microstructured Optical Fiber Sensors. <i>Journal of Lightwave Technology</i> , <b>2017</b> , 35, 3425-3439	4	24
289	Recent Progress in Polymer Optical Fiber Light Sources and Fiber Bragg Gratings. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 252-262	3.8	7
288	Bragg grating in novel two-core holey fiber for simultaneous measurement of pressure and temperature <b>2017</b> ,		2
287	. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-8	1.8	9
286	Highly sensitive miniature fluidic flowmeter based on an FBG heated by Co <sup>2+</sup> -doped fiber. <i>Optics Express</i> , <b>2017</b> , 25, 4393-4402	3.3	16
285	Magnetic field sensor of enhanced sensitivity and temperature self-calibration based on silica fiber Fabry-Perot resonator with silicone cavity. <i>Optics Express</i> , <b>2017</b> , 25, 8108-8114	3.3	14
284	Single-measurement digital optical frequency comb based phase-detection Brillouin optical time domain analyzer. <i>Optics Express</i> , <b>2017</b> , 25, 9213-9224	3.3	32
283	Optofluidic tunable mode-locked fiber laser using a long-period grating integrated microfluidic chip. <i>Optics Letters</i> , <b>2017</b> , 42, 1117-1120	3	6
282	Polarization-dependent intermodal four-wave mixing in a birefringent multimode photonic crystal fiber. <i>Optics Letters</i> , <b>2017</b> , 42, 1644-1647	3	5
281	Bragg grating inscription in PMMA optical fibers using 400-nm femtosecond pulses. <i>Optics Letters</i> , <b>2017</b> , 42, 2794-2797	3	8
280	Development of Level Sensors Based on Fiber Bragg Grating for Railway Track Differential Settlement Measurement. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 6346-6350	4	19

279	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> , <b>2016</b> , 90, 208-214	4.6	22
278	Signal processing using artificial neural network for BOTDA sensor system. <i>Optics Express</i> , <b>2016</b> , 24, 6769-82	3.2	80
277	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> , <b>2016</b> , 4, 678-683	7.1	16
276	Degenerate Four-Wave Mixing-Based Light Source for CARS Microspectroscopy. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 763-766	2.2	5
275	Generation of Second-Harmonics Near Ultraviolet Wavelengths From Femtosecond Pump Pulses. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 1719-1722	2.2	1
274	Fibre Bragg Grating Sensors for Smart Railway Monitoring <b>2016</b> ,		2
273	Programmable long-period grating in a liquid core optical fiber. <i>Optics Letters</i> , <b>2016</b> , 41, 4763-4766	3	3
272	Industrial and medical applications of fiber Bragg gratings (Invited Paper). <i>Chinese Optics Letters</i> , <b>2016</b> , 14, 120007-120011	2.2	9
271	Bi-Directional Brillouin Optical Time Domain Analyzer System for Long Range Distributed Sensing. <i>Sensors</i> , <b>2016</b> , 16,	3.8	1
270	Tunable scalar solitons from a polarization-maintaining mode-locked fiber laser using carbon nanotube and chirped fiber Bragg grating. <i>Optics Express</i> , <b>2016</b> , 24, 22387-22394	3.3	8
269	Rapid 3D Patterning of Poly(acrylic acid) Ionic Hydrogel for Miniature pH Sensors. <i>Advanced Materials</i> , <b>2016</b> , 28, 1394-9	24	116
268	Distributed Bragg Reflector Fiber Laser Based on a clad-pumped Double-Clad Photosensitive Er/Yb Co-doped Fiber <b>2016</b> ,		1
267	On-chip integratable all-optical quantizer using strong cross-phase modulation in a silicon-organic hybrid slot waveguide. <i>Scientific Reports</i> , <b>2016</b> , 6, 19528	4.9	11
266	Optical 3D Printing of ferrule-top polymer suspended-mirror devices <b>2016</b> ,		1
265	Spectrally-isolated violet to blue wavelength generation by cascaded degenerate four-wave mixing in a photonic crystal fiber. <i>Optics Letters</i> , <b>2016</b> , 41, 2612-5	3	2
264	Hydrostatic pressure sensor based on fiber Bragg grating written in single-ring suspended fiber <b>2016</b> ,		3
263	Fiber-Optic Anemometer Based on Bragg Grating Inscribed in Metal-Filled Microstructured Optical Fiber. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 4884-4889	4	19
262	Design of a high-birefringence two-core photonic crystal fiber for simultaneous measurement of pressure and temperature <b>2015</b> ,		1

261	Long-haul quasi-single-mode transmissions using few-mode fiber in presence of multi-path interference. <i>Optics Express</i> , <b>2015</b> , 23, 3156-69	3-3	37
260	Highly efficient ytterbium-doped phosphosilicate fiber lasers operating below 1020 nm. <i>Optics Express</i> , <b>2015</b> , 23, 17693-700	3-3	20
259	Widely tunable mode-locked fiber laser using carbon nanotube and LPG W-shaped filter. <i>Optics Letters</i> , <b>2015</b> , 40, 4329-32	3	26
258	Enhanced intermodal four-wave mixing for visible and near-infrared wavelength generation in a photonic crystal fiber. <i>Optics Letters</i> , <b>2015</b> , 40, 1338-41	3	18
257	Fiber Bragg grating accelerometer based on a transversely rotating stick. <i>Optik</i> , <b>2015</b> , 126, 4337-4341	2-5	6
256	Fiber laser sensor for simultaneously axial strain and transverse load detection. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2015</b> , 62, 137-141	4-6	6
255	Rapid 3D $\mu$ -printing of polymer optical whispering-gallery mode resonators. <i>Optics Express</i> , <b>2015</b> , 23, 29708-14	3-3	24
254	Temperature sensing in BOTDA system by using artificial neural network. <i>Electronics Letters</i> , <b>2015</b> , 51, 1578-1580	1-1	21
253	A comprehensive theoretical model for on-chip microring-based photonic fractional differentiators. <i>Scientific Reports</i> , <b>2015</b> , 5, 14216	4-9	10
252	Red-shifted solitons for coherent anti-Stokes Raman scattering microspectroscopy in a polarization-maintaining photonic crystal fiber. <i>Optical Engineering</i> , <b>2015</b> , 54, 056107	1-1	1
251	Experimental verification of the modified spring-mass theory of fiber Bragg grating accelerometers using transverse forces. <i>Applied Optics</i> , <b>2014</b> , 53, 1200-11	1-7	7
250	A High-Frequency Accelerometer Based on Distributed Bragg Reflector Fiber Laser. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1418-1421	2-2	4
249	In-line microfluidic integration of photonic crystal fibres as a highly sensitive refractometer. <i>Analyst, The</i> , <b>2014</b> , 139, 5422-9	5	29
248	Generation of Multiple Mid-Infrared Wavelengths by Soliton Fission in a Photonic Crystal Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2209-2212	2-2	8
247	Fabrication, Characterization, and Sensing Applications of a High-Birefringence Suspended-Core Fiber. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 2113-2122	4	30
246	Integrated microfluidic flowmeter based on a micro-FBG inscribed in $\text{Co}^{2+}$ -doped optical fiber. <i>Optics Letters</i> , <b>2014</b> , 39, 5877-80	3	33
245	CMOS-compatible 2-bit optical spectral quantization scheme using a silicon-nanocrystal-based horizontal slot waveguide. <i>Scientific Reports</i> , <b>2014</b> , 4, 7177	4-9	12
244	Superlattice Microstructured Optical Fiber. <i>Materials</i> , <b>2014</b> , 7, 4567-4573	3-5	12



243	Tilted Bragg gratings in step-index polymer optical fiber. <i>Optics Letters</i> , <b>2014</b> , 39, 6835-8	3	40
242	Highly reflective Bragg gratings in slightly etched step-index polymer optical fiber. <i>Optics Express</i> , <b>2014</b> , 22, 18807-17	3-3	48
241	Wideband-adjustable reflection-suppressed rejection filters using chirped and tilted fiber gratings. <i>Optics Express</i> , <b>2014</b> , 22, 24430-8	3-3	18
240	In-line open-cavity Fabry-Pérot interferometer formed by C-shaped fiber forttemperature-insensitive refractive index sensing. <i>Optics Express</i> , <b>2014</b> , 22, 21757-66	3-3	64
239	Biaxial Fiber Bragg Grating Accelerometer Using Axial and Transverse Forces. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1549-1552	2.2	12
238	In-line photonic crystal fiber optofluidic refractometer <b>2014</b> ,		1
237	Distributed Bragg reflector fibre laser-based sensor array for multi-parameter detection. <i>Electronics Letters</i> , <b>2014</b> , 50, 1301-1303	1.1	3
236	A strain sensor based on in-line fiber Mach-Zehnder interferometer in twin-core photonic crystal fiber. <i>Optics Communications</i> , <b>2013</b> , 309, 68-70	2	35
235	Structural health monitoring of an asymmetrical SMA reinforced composite using embedded FBG sensors. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 125015	3-4	7
234	In Vivo OCT Imaging Based on La-Codoped Bismuth-Based Erbium-Doped Fiber. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 1741-1743	2.2	4
233	Fiber Bragg Grating Anemometer With Reduced Pump Power-Dependency. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 2450-2453	2.2	11
232	Viscosity of silica optical fibres characterized using regenerated gratings. <i>Acta Materialia</i> , <b>2013</b> , 61, 607186-181	2.4	24
231	A Highly Sensitive and Low-Cost Sagnac Loop Based Pressure Sensor. <i>IEEE Sensors Journal</i> , <b>2013</b> , 13, 3073-3078	4	23
230	Label-free, disposable fiber-optic biosensors for DNA hybridization detection. <i>Analyst, The</i> , <b>2013</b> , 138, 1988-94	5	31
229	Ultrahigh birefringence index-guiding photonic crystal fiber and its application for pressure and temperature discrimination. <i>Optics Letters</i> , <b>2013</b> , 38, 1385-7	3	43
228	Fiber Bragg grating strain modulation based on nonlinear string transverse-force amplifier. <i>Optics Letters</i> , <b>2013</b> , 38, 311-3	3	14
227	Polarization-maintaining fiber-optic-grating vector vibroscope. <i>Optics Letters</i> , <b>2013</b> , 38, 531-3	3	18
226	Polarimetric heterodyning fiber laser sensor for directional acoustic signal measurement. <i>Optics Express</i> , <b>2013</b> , 21, 18273-80	3-3	21

225	Very sensitive fiber Bragg grating accelerometer using transverse forces with an easy over-range protection and low cross axial sensitivity. <i>Applied Optics</i> , <b>2013</b> , 52, 6401-10	1.7	25
224	In-line microfluidic refractometer based on C-shaped fiber assisted photonic crystal fiber Sagnac interferometer. <i>Optics Letters</i> , <b>2013</b> , 38, 3283-6	3	46
223	Fiber optic pH sensor with self-assembled polymer multilayer nanocoatings. <i>Sensors</i> , <b>2013</b> , 13, 1425-34	3.8	30
222	Static Vertical Displacement Measurement of Bridges Using Fiber Bragg Grating (FBG) Sensors. <i>Advances in Structural Engineering</i> , <b>2013</b> , 16, 165-176	1.9	23
221	Magnetostrictive composite fiber Bragg grating (MCFBG) magnetic field sensor. <i>Sensors and Actuators A: Physical</i> , <b>2012</b> , 173, 122-126	3.9	38
220	Design of a dual-core dual-hole fiber for hydrostatic pressure sensing. <i>Optics Communications</i> , <b>2012</b> , 285, 2615-2619	2	4
219	Hydrostatic pressure sensor based on a gold-coated thin-core fiber modal interferometer and ripple shift measurement. <i>Optics Communications</i> , <b>2012</b> , 285, 3471-3474	2	2
218	Multiwavelength fiber ring laser using a gain clamped semiconductor optical amplifier. <i>Optics and Laser Technology</i> , <b>2012</b> , 44, 1646-1648	4.2	13
217	Polarimetric Heterodyning Fiber Grating Laser Sensors. <i>Journal of Lightwave Technology</i> , <b>2012</b> , 30, 1097-1112	4.1	73
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26	Fiber Bragg grating sensor for simultaneous measurement of displacement and temperature. <i>Optics Letters</i> , <b>2000</b> , 25, 1141-3	3	68
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