

Orlando Frazo

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.

322
papers

5,979
citations

45
h-index

62
g-index

444
ext. papers

7,323
ext. citations

2.5
avg, IF

5.93
L-index

#	Paper	IF	Citations
322	Sputtering Deposition of TiO ₂ Thin Film Coatings for Fiber Optic Sensors. <i>Photonics</i> , 2022 , 9, 342	2.2	
321	Fiber-Integrated Phase Change Metasurfaces with Switchable Group Delay Dispersion (Advanced Optical Materials 21/2021). <i>Advanced Optical Materials</i> , 2021 , 9, 2170085	8.1	
320	Acoustic Optical Fiber Sensor Based on Graphene Oxide Membrane. <i>Sensors</i> , 2021 , 21,	3.8	4
319	Thermally Stimulated Desorption Optical Fiber-Based Interrogation System: An Analysis of Graphene Oxide Layers Stability. <i>Photonics</i> , 2021 , 8, 70	2.2	
318	Optical Vernier Effect: Recent Advances and Developments. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000538	3.8	29
317	Nano-Displacement Measurement Using an Optical Drop-Shaped Structure. <i>IEEE Photonics Technology Letters</i> , 2021 , 33, 65-68	2.2	2
316	Giant Displacement Sensitivity Using Push-Pull Method in Interferometry. <i>Photonics</i> , 2021 , 8, 23	2.2	3
315	Colossal Enhancement of Strain Sensitivity Using the Push-Pull Deformation Method. <i>IEEE Sensors Journal</i> , 2021 , 21, 4623-4627	4	4
314	Experimental investigation of a strain gauge sensor based on Fiber Bragg Grating for diameter measurement. <i>Optical Fiber Technology</i> , 2021 , 61, 102428	2.4	4
313	Tuning of Fiber Optic Surface Reflectivity through Graphene Oxide-Based Layer-by-Layer Film Coatings. <i>Photonics</i> , 2020 , 7, 11	2.2	1
312	Hollow microsphere combined with optical harmonic Vernier effect for strain and temperature discrimination. <i>Optics and Laser Technology</i> , 2020 , 127, 106198	4.2	21
311	Femtosecond laser direct written off-axis fiber Bragg gratings for sensing applications. <i>Optics and Laser Technology</i> , 2020 , 128, 106227	4.2	4
310	Curvature detection in a medical needle using a Fabry-Perot cavity as an intensity sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 151, 107160	4.6	8
309	Giant refractometric sensitivity by combining extreme optical Vernier effect and modal interference. <i>Scientific Reports</i> , 2020 , 10, 19313	4.9	9
308	High Enhancement Strain Sensor Based on Vernier Effect Using 2-Fiber Loop Mirrors. <i>IEEE Photonics Technology Letters</i> , 2020 , 32, 1139-1142	2.2	15
307	Curvature Sensor Based on a Long-Period Grating in a Fiber Ring Resonator Interrogated by an OTDR. <i>Photonic Sensors</i> , 2020 , 10, 1-6	2.3	1
306	Optical Fiber Temperature Sensors and Their Biomedical Applications. <i>Sensors</i> , 2020 , 20,	3.8	42

305	A Self-Referencing Intensity-Based Fabry-Perot Cavity for Curvature Measurement 2019 , 3, 1-4		0
304	Bi-core optical fiber for sensing of temperature, strain and torsion. <i>Measurement Science and Technology</i> , 2019 , 30, 035104	2	4
303	Multimode Fabry-Perot Interferometer Probe Based on Vernier Effect for Enhanced Temperature Sensing. <i>Sensors</i> , 2019 , 19,	3.8	26
302	Microfiber Knot Resonators for Sensing Applications. <i>Springer Series in Optical Sciences</i> , 2019 , 145-163	0.5	
301	Optical Fiber Humidity Sensor Based on Polyvinylidene Fluoride Fabry-Perot. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 549-552	2.2	29
300	Fiber-integrated phase-change reconfigurable optical attenuator. <i>APL Photonics</i> , 2019 , 4, 111301	5.2	8
299	Micro-Cantilever Displacement Detection Based in Optical Fiber Tip. <i>Sensors</i> , 2019 , 19,	3.8	2
298	Graphene oxide as a tunable platform for microsphere-based optical fiber sensors 2019 ,		1
297	3D prototyping of a fiber Bragg grating vibration sensor for power transformers 2019 ,		1
296	Detection of the Crystallization Process of Paracetamol with a Multi-Mode Optical Fiber in a Reflective Configuration. <i>Sensors</i> , 2019 , 20,	3.8	1
295	Fiber Microsphere Coupled in a Taper for a Large Curvature Range. <i>Fibers</i> , 2019 , 7, 87	3.7	
294	Optical Harmonic Vernier Effect: A New Tool for High Performance Interferometric Fibre Sensors. <i>Sensors</i> , 2019 , 19,	3.8	31
293	High sensitivity strain sensor based on twin hollow microspheres. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 454-458	1.2	4
292	Optical Fiber Probe Viscometer Based on Hollow Capillary Tube. <i>Journal of Lightwave Technology</i> , 2019 , 37, 4456-4461	4	4
291	Temperature Compensated Strain Sensor Based on Long-Period Gratings and Microspheres. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 67-70	2.2	15
290	Temperature independent refractive index measurement using a fiber Bragg grating on abrupt tapered tip. <i>Optics and Laser Technology</i> , 2018 , 101, 227-231	4.2	12
289	Center of gravity estimation using a reaction board instrumented with fiber Bragg gratings. <i>Photonic Sensors</i> , 2018 , 8, 1-6	2.3	7
288	Multipath Interferometer Polished Microsphere for Enhanced Temperature Sensing 2018 , 2, 1-4		2

287	Cleaved Silica Microsphere for Temperature Measurement. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 797-800	2.2	4
286	Bunimovich Stadium-Like Resonator for Randomized Fiber Laser Operation. <i>Photonics</i> , 2018 , 5, 17	2.2	1
285	Ring-Down Technique Using Fiber-Based Linear Cavity for Remote Sensing 2018 , 2, 1-4		3
284	Optical Fiber Probe for Viscosity Measurements 2018 ,		1
283	A Brief Review of New Fiber Microsphere Geometries. <i>Fibers</i> , 2018 , 6, 48	3.7	3
282	Analysis of amplification in a fiber ring resonator with a fabry-perot cavity. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 2231-2236	1.2	0
281	The Fiber Connection Method Using a Tapered Silica Fiber Tip for Microstructured Polymer Optical Fibers. <i>Fibers</i> , 2018 , 6, 4	3.7	1
280	Combined microfiber knot resonator and focused ion beam-milled Mach-Zehnder interferometer for refractive index measurement 2017 ,		1
279	Hollow Microsphere FabryPerot Cavity for Sensing Applications. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 1229-1232	2.2	19
278	Fiber Bragg grating sensor based on cantilever structure embedded in polymer 3D printed material 2017 ,		1
277	Fabry-Perot cavity based on polymer FBG as refractive index sensor. <i>Optics Communications</i> , 2017 , 394, 37-40	2	13
276	Multimode interference-based fiber sensor in a cavity ring-down system for refractive index measurement. <i>Optics and Laser Technology</i> , 2017 , 91, 112-115	4.2	15
275	Microfiber Knot With Taper Interferometer for Temperature and Refractive Index Discrimination. <i>IEEE Photonics Technology Letters</i> , 2017 , 1-1	2.2	9
274	Fiber Fabry-Perot interferometer for curvature sensing. <i>Photonic Sensors</i> , 2016 , 6, 339-344	2.3	26
273	Fiber cavity ring down and gain amplification effect. <i>Photonic Sensors</i> , 2016 , 6, 324-327	2.3	9
272	Simultaneous measurement of temperature and refractive index using focused ion beam milled Fabry-Perot cavities in optical fiber micro-tips. <i>Optics Express</i> , 2016 , 24, 14053-65	3.3	63
271	Temperature-Independent Multi-Parameter Measurement Based on a Tapered Bragg Fiber. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1565-1568	2.2	7
270	Fiber ring resonator using a cavity ring-down interrogation technique for curvature sensing. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 267-270	1.2	3

269	Acetone evaporation and water vapor detection using a caterpillar-like microstructured fiber. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 679-683	1.2	3
268	Mach-Zehnder Based on Large Knot Fiber Resonator for Refractive Index Measurement. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1279-1281	2.2	11
267	Simultaneous measurement of physical parameters using FBGs embedded in unidirectional and bidirectional composite materials. <i>Smart Materials and Structures</i> , 2016 , 25, 015007	3.4	2
266	[INVITED] New advances in fiber cavity ring-down technology. <i>Optics and Laser Technology</i> , 2016 , 78, 115-119	4.2	16
265	Strain and curvature-independent temperature sensor based on an interferometer taper fabricated with a CO2 laser. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 688-691	1.2	1
264	Fiber Microstructure Sensors Based on Focused Ion Beam Technology. <i>Springer Proceedings in Physics</i> , 2016 , 3-15	0.2	
263	Cavity ring-down technique for remote sensing. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2711-2713	1.2	4
262	Tapered optical fiber tip probes based on focused ion beam-milled Fabry-Perot microcavities 2016 ,		1
261	Chirped fiber bragg grating cavity ring-down for strain sensing using an OTDR. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1442-1444	1.2	6
260	Experimental and numerical characterization of a hybrid Fabry-Perot cavity for temperature sensing. <i>Sensors</i> , 2015 , 15, 8042-53	3.8	14
259	Fiber optic displacement sensor based on a double-reflecting OTDR technique. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1312-1315	1.2	4
258	Multimodal Interferometer Based on a Suspended Core Fiber for Simultaneous Measurement of Physical Parameters. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2468-2473	4	26
257	Fabry-Perot cavity based on silica tube for strain sensing at high temperatures. <i>Optics Express</i> , 2015 , 23, 16063-70	3.3	26
256	Fiber-Optic Cavity Ring Down Using an Added-Signal for Curvature Sensing. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2079-2082	2.2	7
255	Bragg grating fabrication on tapered fiber tips based on focused ion beam milling 2015 ,		1
254	Fracture behaviour of wood bonded joints under modes I and II by digital image correlation and fibre Bragg grating sensors. <i>Ciência & Tecnologia Dos Materiais</i> , 2015 , 27, 27-35		
253	Measuring mode I cohesive law of wood bonded joints based on digital image correlation and fibre Bragg grating sensors. <i>Composite Structures</i> , 2015 , 121, 83-89	5.3	15
252	Evaluation of the performance of orthodontic devices using FBG sensors. <i>Journal of Physics: Conference Series</i> , 2015 , 605, 012017	0.3	2

251	New Trends in Dental Biomechanics with Photonics Technologies. <i>Applied Sciences (Switzerland)</i> , 2015 , 5, 1350-1378	2.6	8
250	Ammonia sensing system based on wavelength modulation spectroscopy. <i>Photonic Sensors</i> , 2015 , 5, 109-115	2.1	9
249	Fiber optic sensing system for temperature and gas monitoring in coal waste pile combustion environments 2015 ,		1
248	Distributed Vibration Sensing Over 125 km With Enhanced SNR Using Phi-OTDR Over a URFL Cavity. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2628-2632	4	57
247	Simultaneous measurement of strain and temperature based on clover microstructured fiber loop mirror. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015 , 65, 50-53	4.6	9
246	Fiber Loop Mirror Sensors Interrogated and Multiplexed by OTDR. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2580-2584	4	4
245	Intensity vibration sensor based on Raman fiber laser using a distributed mirror combined with Bragg grating structures. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 114, 455-459	1.9	2
244	From conventional sensors to fibre optic sensors for strain and force measurements in biomechanics applications: a review. <i>Journal of Biomechanics</i> , 2014 , 47, 1251-61	2.9	124
243	Phase-sensitive Optical Time Domain Reflectometer Assisted by First-order Raman Amplification for Distributed Vibration Sensing Over >100 km. <i>Journal of Lightwave Technology</i> , 2014 , 32, 1510-1518	4	100
242	High-sensitivity dispersive Mach-Zehnder interferometer based on a dissimilar-doping dual-core fiber for sensing applications. <i>Optics Letters</i> , 2014 , 39, 2763-6	3	8
241	Optical Inclinator Based on a Phase-Shifted Bragg Grating in a Taper Configuration. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 405-407	2.2	12
240	Micro-Displacement Sensor Combined With a Fiber Ring Interrogated by an Optical Time-Domain Reflectometer. <i>IEEE Sensors Journal</i> , 2014 , 14, 793-796	4	8
239	Optical Phase Refractometer Based on Post-Processed Interferometric Tip Sensors. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3002-3007	4	3
238	A new cavity ring-down topology for remote sensing 2014 ,		1
237	Magnetic Field Sensor Based on Nonadiabatic Tapered Optical Fiber With Magnetic Fluid. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1904-1907	2.2	70
236	Advanced fiber-optic acoustic sensors. <i>Photonic Sensors</i> , 2014 , 4, 198-208	2.3	55
235	Evaporation of volatile compounds in suspended-core fibers. <i>Optics Letters</i> , 2014 , 39, 3868-71	3	9
234	Ultra-High Sensitive Strain Sensor Based on Post-Processed Optical Fiber Bragg Grating. <i>Fibers</i> , 2014 , 2, 142-149	3.7	10

233	Refractive Index Measurement of Liquids Based on Microstructured Optical Fibers. <i>Photonics</i> , 2014 , 1, 516-529	2.2	22
232	Silica microspheres array strain sensor. <i>Optics Letters</i> , 2014 , 39, 5937-40	3	22
231	Focused ion beam post-processing of optical fiber Fabry-Perot cavities for sensing applications. <i>Optics Express</i> , 2014 , 22, 13102-8	3.3	34
230	A Fabry-Perot sensor prototype for low-pressure measurements. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2981-2986	1.2	2
229	Interrogation and multiplexing system for fiber loop mirror coupled intensity sensors using OTDR. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2860-2864	1.2	2
228	Characterization of a hybrid Fabry-Perot Cavity based on a four-bridge double-Y-shape-core microstructured fiber 2014 ,		1
227	Comparison of the use of first and second-order Raman amplification to assist a phase-sensitive optical time domain reflectometer in distributed vibration sensing over 125 km 2014 ,		2
226	In-line Mach-Zehnder interferometer based on a dissimilar-doping dual-core fiber for high sensitivity strain and temperature sensing 2014 ,		1
225	New silica microspheres array sensor 2014 ,		2
224	Fiber cavity ring-down using an optical time-domain reflectometer. <i>Photonic Sensors</i> , 2014 , 4, 295-299	2.3	15
223	Fabry-Perot cavity hydrostatic pressure sensors 2014 ,		1
222	Detection of evaporation process of acetone with a microstructured fiber in a reflective configuration. <i>Optical Engineering</i> , 2014 , 53, 080501	1.1	2
221	In vivo measurement of the pressure signal in the intervertebral disc of an anesthetized sheep. <i>Journal of Biomedical Optics</i> , 2014 , 19, 37006	3.5	9
220	An all-fiber Fabry-Perot interferometer for pressure sensing in different gaseous environments. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 47, 418-421	4.6	15
219	Strain sensitivity enhancement in suspended core fiber tapers. <i>Photonic Sensors</i> , 2013 , 3, 118-123	2.3	4
218	Torsion sensor based on a figure-of-eight cavity fibre laser. <i>Laser Physics Letters</i> , 2013 , 10, 045105	1.5	7
217	High birefringence triangular optical nanowire in suspended-core fiber for temperature sensing. <i>Journal of Nanophotonics</i> , 2013 , 7, 073088	1.1	2
216	High visibility phase-sensitive optical time domain reflectometer for distributed sensing of ultrasonic waves 2013 ,		3

215	New design for temperature-strain discrimination using fiber Bragg gratings embedded in laminated composites. <i>Smart Materials and Structures</i> , 2013 , 22, 105011	3-4	2
214	Next generation of Fabry-Perot sensors for high-temperature. <i>Optical Fiber Technology</i> , 2013 , 19, 833-837	4	18
213	Post-Processing of Fabry-Perot Microcavity Tip Sensor. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 1593-1596	2.2	13
212	Interrogation Sensing Scheme Based on a Figure-of-Eight Fiber Loop Mirror. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 745-748	2.2	2
211	Coherent Noise Reduction in High Visibility Phase-Sensitive Optical Time Domain Reflectometer for Distributed Sensing of Ultrasonic Waves. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3631-3637	4	119
210	Temperature-independent torsion sensor based on figure-of-eight fiber loop mirror. <i>Photonic Sensors</i> , 2013 , 3, 52-56	2.3	1
209	Fiber laser sensor based on a phase-shifted chirped grating for acoustic sensing of partial discharges. <i>Photonic Sensors</i> , 2013 , 3, 44-51	2.3	13
208	A simple, self-referenced, intensity-based optical fibre sensor for temperature measurements. <i>Optics Communications</i> , 2013 , 291, 215-218	2	8
207	Study of strain-transfer of FBG sensors embedded in unidirectional composites. <i>Polymer Testing</i> , 2013 , 32, 1006-1010	4-5	18
206	. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 401-403	2.2	46
205	Strain-Temperature Discrimination Using Multimode Interference in Tapered Fiber. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 155-158	2.2	39
204	On the improvement of strain measurements with FBG sensors embedded in unidirectional composites. <i>Polymer Testing</i> , 2013 , 32, 99-105	4-5	24
203	Modulation instability-induced fading in phase-sensitive optical time-domain reflectometry. <i>Optics Letters</i> , 2013 , 38, 872-4	3	89
202	High-birefringence fiber loop mirror sensor using a WDM fused fiber coupler. <i>Optics Letters</i> , 2013 , 38, 2927-9	3	5
201	Review of fiber-optic pressure sensors for biomedical and biomechanical applications. <i>Journal of Biomedical Optics</i> , 2013 , 18, 50903	3-5	121
200	Design and characterization of a wearable macrobending fiber optic sensor for human joint angle determination. <i>Optical Engineering</i> , 2013 , 52, 126106	1.1	26
199	Large range linear torsion sensor based on a suspended-core fiber loop mirror. <i>Optical Engineering</i> , 2013 , 52, 020501	1.1	2
198	A vibration sensor based on a distributed Bragg reflector fibre laser. <i>Laser Physics Letters</i> , 2013 , 10, 095103	1.1	9

197	Chemical sensing by differential thermal analysis with a digitally controlled fiber optic interferometer. <i>Review of Scientific Instruments</i> , 2013 , 84, 015002	1.7	2
196	A reflective optical fiber refractometer based on multimode interference. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 88-92	8.5	47
195	Long period gratings and rocking filters written with a CO2 laser in highly-birefringent boron-doped photonic crystal fibers for sensing applications. <i>Optics Communications</i> , 2012 , 285, 264-268 ²		4
194	Pressure and temperature characterization of two interferometric configurations based on suspended-core fibers. <i>Optics Communications</i> , 2012 , 285, 269-273	2	12
193	Fabry-Pérot cavities based on chemical etching for high temperature and strain measurement. <i>Optics Communications</i> , 2012 , 285, 1159-1162	2	28
192	Temperature independent torsion sensor using a high-birefringent Sagnac loop interferometer. <i>Optics Communications</i> , 2012 , 285, 1167-1170	2	27
191	Theoretical and Experimental Results of High-Birefringent Fiber Loop Mirror With an Output Port Probe. <i>Journal of Lightwave Technology</i> , 2012 , 30, 1032-1036	4	10
190	Nanostrain measurement using chirped Bragg grating Fabry-Perot interferometer. <i>Photonic Sensors</i> , 2012 , 2, 77-80	2.3	8
189	Optical Current Sensors for High Power Systems: A Review. <i>Applied Sciences (Switzerland)</i> , 2012 , 2, 602-628		95
188	Digital Control of a White Light Interrogation System for Optical Fiber Interferometers. <i>IEEE Sensors Journal</i> , 2012 , 12, 201-206	4	1
187	Fabry-Pérot Cavity Based on a High-Birefringent Fiber Bragg Grating for Refractive Index and Temperature Measurement. <i>IEEE Sensors Journal</i> , 2012 , 12, 17-21	4	28
186	Interferometer based on a D-shape chaotic optical fiber for measurement of multiparameters. <i>Photonic Sensors</i> , 2012 , 2, 381-384	2.3	
185	Curvature and Temperature Discrimination Using Multimode Interference Fiber Optic Structures: A Proof of Concept. <i>Journal of Lightwave Technology</i> , 2012 , 30, 3569-3575	4	30
184	Long-Period Gratings Dynamic Interrogation With Modulated Fiber Bragg Gratings and Optical Amplification. <i>IEEE Sensors Journal</i> , 2012 , 12, 179-183	4	5
183	. <i>IEEE Sensors Journal</i> , 2012 , 12, 93-102	4	86
182	Intrinsic Fabry-Pérot Cavity Sensor Based on Etched Multimode Graded Index Fiber for Strain and Temperature Measurement. <i>IEEE Sensors Journal</i> , 2012 , 12, 8-12	4	50
181	Smart sensors/actuators for biomedical applications: Review. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012 , 45, 1675-1688	4.6	53
180	Multimode interference in tapered single mode-multimode-single mode fiber structures for strain sensing applications 2012 ,		5

179	Fabry-Pérot Cavity Based on Hollow-Core Ring Photonic Crystal Fiber for Pressure Sensing. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 2122-2124	2.2	15
178	Fiber optic-based refractive index sensing at INESC Porto. <i>Sensors</i> , 2012 , 12, 8371-89	3.8	17
177	Magnetic field sensor with Terfenol-D thin-film coated FBG 2012 ,		6
176	Intensity curvature sensor based on photonic crystal fiber with three coupled cores. <i>Optics Communications</i> , 2012 , 285, 5128-5131	2	18
175	Micro-displacement sensor based on a hollow-core photonic crystal fiber. <i>Sensors</i> , 2012 , 12, 17497-503	3.8	21
174	Temperature and Strain Sensing With Femtosecond Laser Written Bragg Gratings in Defect and Nondefect Suspended-Silica-Core Fibers. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 554-556	2.2	15
173	Multimode interference in outer cladding large-core, air-clad photonic crystal fiber. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1009-1011	1.2	4
172	Brillouin effect characterization in all-Raman amplified 4 × 40 Gb/s WDM system. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1403-1407	1.2	
171	Suspended-core fibers for sensing applications. <i>Photonic Sensors</i> , 2012 , 2, 118-126	2.3	14
170	Towards the control of highly sensitive Fabry-Pérot strain sensor based on hollow-core ring photonic crystal fiber. <i>Optics Express</i> , 2012 , 20, 21946-52	3.3	56
169	Gas refractometry based on an all-fiber spatial optical filter. <i>Optics Letters</i> , 2012 , 37, 3450-2	3	9
168	Simultaneous measurement of partial pressure of O ₂ and CO ₂ with a hybrid interferometer. <i>Optics Letters</i> , 2012 , 37, 3063-5	3	15
167	Spatial optical filter sensor based on hollow-core silica tube. <i>Optics Letters</i> , 2012 , 37, 890-2	3	9
166	Ultrahigh-sensitivity temperature fiber sensor based on multimode interference. <i>Applied Optics</i> , 2012 , 51, 3236-42	1.7	91
165	Multimode interference tapered fiber refractive index sensors. <i>Applied Optics</i> , 2012 , 51, 5941-5	1.7	51
164	Simultaneous measurement of strain and temperature based on clover microstructured fiber loop mirror 2012 ,		3
163	Sensing characteristics of tapered high-birefringent optical fiber 2012 ,		2
162	Ultrahigh-sensitivity temperature fiber sensor based on multimode interference 2012 , 51, 2542		6

161	High-Birefringent Fiber Loop Mirror Sensors With an Output Port Probe. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 103-105	2.2	10
160	Fiber Bragg Grating Structures with Fused Tapers. <i>Fiber and Integrated Optics</i> , 2011 , 30, 9-28	0.8	19
159	Fiber-Optic Inclinator Based on Taper Michelson Interferometer. <i>IEEE Sensors Journal</i> , 2011 , 11, 1811-1814	3	32
158	Temperature and strain-independent curvature sensor based on a singlemode/multimode fiber optic structure. <i>Measurement Science and Technology</i> , 2011 , 22, 085201	2	45
157	Controlling the Sensitivity of Refractive Index Measurement Using a Tapered Fiber Loop Mirror. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1219-1221	2.2	17
156	. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1482-1488	4	49
155	Simultaneous measurement of three parameters using an all-fiber Mach-Zehnder interferometer based on suspended twin-core fibers. <i>Optical Engineering</i> , 2011 , 50, 030501	1.1	8
154	Fiber optic hot-wire flowmeter based on a metallic coated hybrid long period grating/fiber Bragg grating structure. <i>Applied Optics</i> , 2011 , 50, 2738-43	0.2	54
153	Intermodal interferometer for strain and temperature sensing fabricated in birefringent boron doped microstructured fiber. <i>Applied Optics</i> , 2011 , 50, 3742-9	0.2	15
152	Optical fiber refractometry based on multimode interference 2011 , 50, E184		31
151	300 km-ultralong Raman fiber lasers using a distributed mirror for sensing applications. <i>Optics Express</i> , 2011 , 19, 18149-54	3.3	18
150	Optical refractometer based on large-core air-clad photonic crystal fibers. <i>Optics Letters</i> , 2011 , 36, 852-43		31
149	Highly birefringent photonic bandgap Bragg fiber loop mirror for simultaneous measurement of strain and temperature. <i>Optics Letters</i> , 2011 , 36, 993-5	3	17
148	Simultaneous measurement of curvature and strain using a suspended multicore fiber. <i>Optics Letters</i> , 2011 , 36, 3939-41	3	34
147	Fabry-Perot cavity based on a diaphragm-free hollow-core silica tube. <i>Optics Letters</i> , 2011 , 36, 4029-31	3	76
146	Ultralong 250 km remote sensor system based on a fiber loop mirror interrogated by an optical time-domain reflectometer. <i>Optics Letters</i> , 2011 , 36, 4059-61	3	19
145	Cladding modes FBG curvature sensor based on a core misaligned splice 2011 ,		2
144	Interferometric optical fiber inclinometer with dynamic FBG based interrogation 2011 ,		3

143	A Raman laser intensity sensor induced by the cooperative Rayleigh scattering in a ring configuration. <i>Laser Physics</i> , 2011 , 21, 928-930	1.2	4
142	Comparison of Brillouin-Raman comb fiber laser in two different configurations. <i>Laser Physics</i> , 2011 , 21, 1925-1931	1.2	6
141	Temperature-insensitive strain sensor based on four-wave mixing using Raman fiber Bragg grating laser sensor with cooperative Rayleigh scattering. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 104, 957-960	1.9	17
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