

Orlando Frazão

List of Publications by Year in descending order

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443
papers

8,150
citations

36303

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h-index

71685

76
g-index

444
all docs

444
docs citations

444
times ranked

4599
citing authors

#	ARTICLE	IF	CITATIONS
1	Sputtering Deposition of TiO ₂ Thin Film Coatings for Fiber Optic Sensors. Photonics, 2022, 9, 342.	2.0	2
2	Brief Review on Optical Fiber Sensing for the Power Grid. U Porto Journal of Engineering, 2022, 8, 18-23.	0.4	1
3	A Simple Optical Sensor Based on Multimodal Interference Superimposed on Additive Manufacturing for Diameter Measurement. Sensors, 2022, 22, 4560.	3.8	4
4	Nano-Displacement Measurement Using an Optical Drop-Shaped Structure. IEEE Photonics Technology Letters, 2021, 33, 65-68.	2.5	8
5	Giant Displacement Sensitivity Using Push-Pull Method in Interferometry. Photonics, 2021, 8, 23.	2.0	13
6	Colossal Enhancement of Strain Sensitivity Using the Push-Pull Deformation Method. IEEE Sensors Journal, 2021, 21, 4623-4627.	4.7	10
7	Fiber Bragg grating load cell using 3D printing technique. , 2021, , .		0
8	Acoustic Optical Fiber Sensor Based on Graphene Oxide Membrane. Sensors, 2021, 21, 2336.	3.8	17
9	Thermally Stimulated Desorption Optical Fiber-Based Interrogation System: An Analysis of Graphene Oxide Layers's™ Stability. Photonics, 2021, 8, 70.	2.0	0
10	Optical Vernier Effect: Recent Advances and Developments. Laser and Photonics Reviews, 2021, 15, 2000588.	8.7	129
11	Optical Fiber Sensors for Structural Monitoring in Power Transformers. Sensors, 2021, 21, 6127.	3.8	5
12	Experimental investigation of a strain gauge sensor based on Fiber Bragg Grating for diameter measurement. Optical Fiber Technology, 2021, 61, 102428.	2.7	6
13	Environmental Sensitivity of Fabry-Perot Microcavities Induced by Layered Graphene-Dielectric Hybrid Coatings. Physical Review Applied, 2021, 16, .	3.8	0
14	Fiber-Integrated Phase Change Metasurfaces with Switchable Group Delay Dispersion (Advanced) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	7.3	0
15	Challenging the Limits of Interferometric Fiber Sensor Sensitivity with the Optical Harmonic Vernier Effect. , 2021, , .		0
16	MMI Sensor for Diameter Measurement. , 2021, 10, .		0
17	Curvature Sensor Based on a Long-Period Grating in a Fiber Ring Resonator Interrogated by an OTDR. Photonic Sensors, 2020, 10, 1-6.	5.0	3
18	Curvature detection in a medical needle using a Fabry-Perot cavity as an intensity sensor. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107160.	5.0	13

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19	Detection of the Crystallization Process of Paracetamol with a Multi-Mode Optical Fiber in a Reflective Configuration. <i>Sensors</i> , 2020, 20, 87.	3.8	8
20	Giant refractometric sensitivity by combining extreme optical Vernier effect and modal interference. <i>Scientific Reports</i> , 2020, 10, 19313.	3.3	20
21	High Enhancement Strain Sensor Based on Vernier Effect Using 2-Fiber Loop Mirrors. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1139-1142.	2.5	34
22	Tuning of Fiber Optic Surface Reflectivity through Graphene Oxide-Based Layer-by-Layer Film Coatings. <i>Photonics</i> , 2020, 7, 11.	2.0	4
23	Hollow microsphere combined with optical harmonic Vernier effect for strain and temperature discrimination. <i>Optics and Laser Technology</i> , 2020, 127, 106198.	4.6	45
24	Femtosecond laser direct written off-axis fiber Bragg gratings for sensing applications. <i>Optics and Laser Technology</i> , 2020, 128, 106227.	4.6	6
25	Optical Fiber Temperature Sensors and Their Biomedical Applications. <i>Sensors</i> , 2020, 20, 2113.	3.8	102
26	Fiber-integrated phase-change reconfigurable optical attenuator. <i>APL Photonics</i> , 2019, 4, .	5.7	16
27	Micro-Cantilever Displacement Detection Based in Optical Fiber Tip. <i>Sensors</i> , 2019, 19, 4826.	3.8	2
28	A Self-Referencing Intensity-Based Fabry-Perot Cavity for Curvature Measurement. , 2019, 3, 1-4.		2
29	Bi-core optical fiber for sensing of temperature, strain and torsion. <i>Measurement Science and Technology</i> , 2019, 30, 035104.	2.6	6
30	Multimode Fabry-Perot Interferometer Probe Based on Vernier Effect for Enhanced Temperature Sensing. <i>Sensors</i> , 2019, 19, 453.	3.8	55
31	Microfiber Knot Resonators for Sensing Applications. <i>Springer Series in Optical Sciences</i> , 2019, , 145-163.	0.7	0
32	Optical Fiber Humidity Sensor Based on Polyvinylidene Fluoride Fabry-Perot. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 549-552.	2.5	43
33	Fiber Microsphere Coupled in a Taper for a Large Curvature Range. <i>Fibers</i> , 2019, 7, 87.	4.0	0
34	Optical Signal Recording from Optogenetic Stimulation of Human Pulp Dental Cells using Twin-Core Fiber Optic Biosensor Based on Mach-Zender Interferometer. , 2019, , .		0
35	Optical Harmonic Vernier Effect: A New Tool for High Performance Interferometric Fiber Sensors. <i>Sensors</i> , 2019, 19, 5431.	3.8	90
36	High sensitivity strain sensor based on twin hollow microspheres. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 454-458.	1.4	7

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37	Optical Fiber Probe Viscometer Based on Hollow Capillary Tube. Journal of Lightwave Technology, 2019, 37, 4456-4461.	4.6	8
38	Graphene oxide as a tunable platform for microsphere-based optical fiber sensors. , 2019, , .		1
39	3D prototyping of a fiber Bragg grating vibration sensor for power transformers. , 2019, , .		1
40	Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer. , 2019, , .		1
41	Temperature Compensated Strain Sensor Based on Long-Period Gratings and Microspheres. IEEE Photonics Technology Letters, 2018, 30, 67-70.	2.5	22
42	Temperature independent refractive index measurement using a fiber Bragg grating on abrupt tapered tip. Optics and Laser Technology, 2018, 101, 227-231.	4.6	15
43	Center of gravity estimation using a reaction board instrumented with fiber Bragg gratings. Photonic Sensors, 2018, 8, 1-6.	5.0	8
44	Multipath Interferometer Polished Microsphere for Enhanced Temperature Sensing. , 2018, 2, 1-4.		3
45	Cleaved Silica Microsphere for Temperature Measurement. IEEE Photonics Technology Letters, 2018, 30, 797-800.	2.5	5
46	A Brief Review of New Fiber Microsphere Geometries. Fibers, 2018, 6, 48.	4.0	5
47	Analysis of amplification in a fiber ring resonator with a fabryâ€perot cavity. Microwave and Optical Technology Letters, 2018, 60, 2231-2236.	1.4	1
48	The Fiber Connection Method Using a Tapered Silica Fiber Tip for Microstructured Polymer Optical Fibers. Fibers, 2018, 6, 4.	4.0	1
49	Bunimovich Stadium-Like Resonator for Randomized Fiber Laser Operation. Photonics, 2018, 5, 17.	2.0	1
50	Ring-Down Technique Using Fiber-Based Linear Cavity for Remote Sensing. , 2018, 2, 1-4.		4
51	Optical Fiber Probe for Viscosity Measurements. , 2018, , .		1
52	Multi-path interferometer structures with cleaved silica microspheres. , 2018, , .		0
53	Analysis of signal saturation in a fiber ring resonator integrating an intensity sensor. , 2017, , .		0
54	Combined microfiber knot resonator and focused ion beam-milled Mach-Zehnder interferometer for refractive index measurement. Proceedings of SPIE, 2017, , .	0.8	1

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55	Fabry-Perot sensor based on two coupled microspheres for strain measurement. Proceedings of SPIE, 2017, , .	0.8	2
56	Hollow Microsphere Fabry-Perot Cavity for Sensing Applications. IEEE Photonics Technology Letters, 2017, 29, 1229-1232.	2.5	27
57	Fiber Bragg grating sensor based on cantilever structure embedded in polymer 3D printed material. Proceedings of SPIE, 2017, , .	0.8	4
58	Embedded Fabry-Perot based sensor using three-dimensional printing technology. , 2017, , .		0
59	Refractive index sensing using a multimode interference-based fiber sensor in a cavity ring-down system. , 2017, , .		1
60	Fabry-Perot cavity based on polymer FBG as refractive index sensor. Optics Communications, 2017, 394, 37-40.	2.1	21
61	Multimode interference-based fiber sensor in a cavity ring-down system for refractive index measurement. Optics and Laser Technology, 2017, 91, 112-115.	4.6	17
62	Microfiber Knot with Taper Interferometer for temperature and refractive index discrimination. IEEE Photonics Technology Letters, 2017, , 1-1.	2.5	14
63	Curvature sensitivity enhancement of fused fiber taper. , 2017, , .		0
64	Recent Advances in Fiber Cavity Ring-down Technology. , 2017, , .		0
65	Microfiber Knot Resonators as Sensors - A Review. , 2017, , .		1
66	Refractive index sensor using a Fabry-Perot cavity in polymer fiber. , 2017, , .		0
67	Fabry-Perot interferometer based on array of microspheres for temperature sensing. , 2017, , .		0
68	Strain sensor based on hollow microsphere Fabry-Perot cavity. , 2017, , .		0
69	Simultaneous measurement of temperature and refractive index based on microfiber knot resonator integrated in an abrupt taper Mach-Zehnder interferometer. , 2017, , .		1
70	Polymer and tapered silica fiber connection for polymer fiber sensor application. , 2017, , .		0
71	Strain and curvature-independent temperature sensor based on an interferometer taper fabricated with a CO ₂ laser. Microwave and Optical Technology Letters, 2016, 58, 688-691.	1.4	1
72	Fiber Microstructure Sensors Based on Focused Ion Beam Technology. Springer Proceedings in Physics, 2016, , 3-15.	0.2	1

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73	Cavity ring-down technique for remote sensing. Microwave and Optical Technology Letters, 2016, 58, 2711-2713.	1.4	4
74	Tapered optical fiber tip probes based on focused ion beam-milled Fabry-Perot microcavities. , 2016, , .		1
75	Fiber Fabry-Perot interferometer for curvature sensing. Photonic Sensors, 2016, 6, 339-344.	5.0	36
76	Fiber cavity ring down and gain amplification effect. Photonic Sensors, 2016, 6, 324-327.	5.0	10
77	Temperature-independent strain sensor based on a tapered Bragg fibre fabricated using a CO ₂ laser. Proceedings of SPIE, 2016, , .	0.8	0
78	Simultaneous measurement of temperature and refractive index using focused ion beam milled Fabry-Perot cavities in optical fiber micro-tips. Optics Express, 2016, 24, 14053.	3.4	86
79	Curvature sensor based on a Fabry-Perot interferometer. Proceedings of SPIE, 2016, , .	0.8	0
80	Fiber probe microcavities for refractive index and temperature discrimination. Proceedings of SPIE, 2016, , .	0.8	0
81	Cavity ring-down technique for remote sensing: a proof-of-concept for displacement measurement. Proceedings of SPIE, 2016, , .	0.8	1
82	Temperature-Independent Multi-Parameter Measurement Based on a Tapered Bragg Fiber. IEEE Photonics Technology Letters, 2016, 28, 1565-1568.	2.5	11
83	Fiber ring resonator using a cavity ring-down interrogation technique for curvature sensing. Microwave and Optical Technology Letters, 2016, 58, 267-270.	1.4	4
84	Acetone evaporation and water vapor detection using a caterpillar-like microstructured fiber. Microwave and Optical Technology Letters, 2016, 58, 679-683.	1.4	4
85	Mach-Zehnder Based on Large Knot Fiber Resonator for Refractive Index Measurement. IEEE Photonics Technology Letters, 2016, 28, 1279-1281.	2.5	20
86	Simultaneous measurement of physical parameters using FBGs embedded in unidirectional and bidirectional composite materials. Smart Materials and Structures, 2016, 25, 015007.	3.5	2
87	[INVITED] New advances in fiber cavity ring-down technology. Optics and Laser Technology, 2016, 78, 115-119.	4.6	23
88	Evaluation of the performance of orthodontic devices using FBG sensors. Journal of Physics: Conference Series, 2015, 605, 012017.	0.4	4
89	New Trends in Dental Biomechanics with Photonics Technologies. Applied Sciences (Switzerland), 2015, 5, 1350-1378.	2.5	9
90	Ammonia sensing system based on wavelength modulation spectroscopy. Photonic Sensors, 2015, 5, 109-115.	5.0	13

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91	Centre of mass determination based on an optical weighing machine using fiber Bragg gratings. , 2015, , .		0
92	In-fiber Michelson interferometer inclinometer. , 2015, , .		1
93	Measuring strain at extreme temperatures with a Fabry-Perot optical fiber sensor. Proceedings of SPIE, 2015, , .	0.8	0
94	Acetone evaporation monitoring using a caterpillar-like microstructured fiber. Proceedings of SPIE, 2015, , .	0.8	0
95	A fiber optic buckle transducer for measurement of in vitro tendon strain. Proceedings of SPIE, 2015, , .	0.8	4
96	Curvature sensing using an added-signal in a fiber optic cavity ring-down system. Proceedings of SPIE, 2015, , .	0.8	0
97	Fiber optic sensing system for temperature and gas monitoring in coal waste pile combustion environments. Proceedings of SPIE, 2015, , .	0.8	1
98	Distributed Vibration Sensing Over 125 km With Enhanced SNR Using Phi-OTDR Over a URFL Cavity. Journal of Lightwave Technology, 2015, 33, 2628-2632.	4.6	81
99	Simultaneous measurement of strain and temperature based on clover microstructured fiber loop mirror. Measurement: Journal of the International Measurement Confederation, 2015, 65, 50-53.	5.0	10
100	Fiber Loop Mirror Sensors Interrogated and Multiplexed by OTDR. Journal of Lightwave Technology, 2015, 33, 2580-2584.	4.6	6
101	Chirped fiber bragg grating cavity ring-down for strain sensing using an OTDR. Microwave and Optical Technology Letters, 2015, 57, 1442-1444.	1.4	6
102	Experimental and Numerical Characterization of a Hybrid Fabry-Pérot Cavity for Temperature Sensing. Sensors, 2015, 15, 8042-8053.	3.8	16
103	Fiber optic displacement sensor based on a double-reflecting OTDR technique. Microwave and Optical Technology Letters, 2015, 57, 1312-1315.	1.4	5
104	Multimodal Interferometer Based on a Suspended Core Fiber for Simultaneous Measurement of Physical Parameters. Journal of Lightwave Technology, 2015, 33, 2468-2473.	4.6	30
105	Fabry-Perot cavity based on silica tube for strain sensing at high temperatures. Optics Express, 2015, 23, 16063.	3.4	34
106	Fiber-Optic Cavity Ring Down Using an Added-Signal for Curvature Sensing. IEEE Photonics Technology Letters, 2015, 27, 2079-2082.	2.5	10
107	Bragg grating fabrication on tapered fiber tips based on focused ion beam milling. Proceedings of SPIE, 2015, , .	0.8	1
108	Fracture behaviour of wood bonded joints under modes I and II by digital image correlation and fibre Bragg grating sensors. Ciência & Tecnologia Dos Materiais, 2015, 27, 27-35.	0.5	0

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109	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.	5.8	17
110	Ultra-High Sensitive Strain Sensor Based on Post-Processed Optical Fiber Bragg Grating. <i>Fibers</i> , 2014, 2, 142-149.	4.0	15
111	Refractive Index Measurement of Liquids Based on Microstructured Optical Fibers. <i>Photonics</i> , 2014, 1, 516-529.	2.0	29
112	Post-processing Fibers for Sensing Applications. , 2014, , .		0
113	Silica microspheres array strain sensor. <i>Optics Letters</i> , 2014, 39, 5937.	3.3	29
114	Focused ion beam post-processing of optical fiber Fabry-Perot cavities for sensing applications. <i>Optics Express</i> , 2014, 22, 13102.	3.4	42
115	A Fabry-Perot sensor prototype for low-pressure measurements. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 2981-2986.	1.4	3
116	Interrogation and multiplexing system for fiber loop mirror coupled intensity sensors using OTDR. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 2860-2864.	1.4	2
117	Characterization of a hybrid Fabry-Perot Cavity based on a four-bridge double-Y-shape-core microstructured fiber. , 2014, , .		1
118	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, , .		5
119	Gas sensing using wavelength modulation spectroscopy. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
120	In-line Mach-Zehnder interferometer based on a dissimilar-doping dual-core fiber for high sensitivity strain and temperature sensing. , 2014, , .		1
121	Multiparameter measurement using a double-Y-shaped suspended-core fiber in a fiber loop configuration. , 2014, , .		0
122	New silica microspheres array sensor. , 2014, , .		2
123	Intradiscal pressure variation under spontaneous ventilation. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
124	Fiber cavity ring-down using an optical time-domain reflectometer. <i>Photonic Sensors</i> , 2014, 4, 295-299.	5.0	18
125	Fabry-Perot cavity hydrostatic pressure sensors. , 2014, , .		1
126	Fiber taper combined with magnetic fluid for magnetic field. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1

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127	Simultaneous strain and temperature measure based on a single suspended core photonic crystal fiber. , 2014, , .		0
128	Detection of evaporation process of acetone with a microstructured fiber in a reflective configuration. Optical Engineering, 2014, 53, 080501.	1.0	2
129	Optical fiber Fabry-Pérot sensor fabrication based on focused ion beam post-processing. , 2014, , .		0
130	<i>In vivo</i> measurement of the pressure signal in the intervertebral disc of an anesthetized sheep. Journal of Biomedical Optics, 2014, 19, 037006.	2.6	12
131	Fluid evaporation monitoring with suspended-core fibers. Proceedings of SPIE, 2014, , .	0.8	0
132	Interrogation system for fiber loop mirror sensors using OTDR. Proceedings of SPIE, 2014, , .	0.8	0
133	Cavity ring-down with OTDR for remote sensing. Proceedings of SPIE, 2014, , .	0.8	1
134	Control of the strain sensitivity using a suspended core photonic crystal fiber sensing head. , 2014, , .		0
135	An all-fiber Fabry-Pérot interferometer for pressure sensing in different gaseous environments. Measurement: Journal of the International Measurement Confederation, 2014, 47, 418-421.	5.0	16
136	Intensity vibration sensor based on Raman fiber laser using a distributed mirror combined with Bragg grating structures. Applied Physics B: Lasers and Optics, 2014, 114, 455-459.	2.2	2
137	From conventional sensors to fibre optic sensors for strain and force measurements in biomechanics applications: A review. Journal of Biomechanics, 2014, 47, 1251-1261.	2.1	183
138	Phase-sensitive Optical Time Domain Reflectometer Assisted by First-order Raman Amplification for Distributed Vibration Sensing Over >100 km. Journal of Lightwave Technology, 2014, 32, 1510-1518.	4.6	123
139	High-sensitivity dispersive Mach-Zehnder interferometer based on a dissimilar-doping dual-core fiber for sensing applications. Optics Letters, 2014, 39, 2763.	3.3	10
140	Optical Inclinometer Based on a Phase-Shifted Bragg Grating in a Taper Configuration. IEEE Photonics Technology Letters, 2014, 26, 405-407.	2.5	15
141	Micro-Displacement Sensor Combined With a Fiber Ring Interrogated by an Optical Time-Domain Reflectometer. IEEE Sensors Journal, 2014, 14, 793-796.	4.7	10
142	Initial studies of glued wood joints using FBG strain sensors. , 2014, , .		0
143	Evaporation of fluids in suspended-core fibres. , 2014, , .		1
144	Optical Phase Refractometer Based on Post-Processed Interferometric Tip Sensors. Journal of Lightwave Technology, 2014, 32, 3002-3007.	4.6	3

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145	A new cavity ring-down topology for remote sensing. , 2014, , .		2
146	Magnetic Field Sensor Based on Nonadiabatic Tapered Optical Fiber With Magnetic Fluid. IEEE Photonics Technology Letters, 2014, 26, 1904-1907.	2.5	88
147	Advanced fiber-optic acoustic sensors. Photonic Sensors, 2014, 4, 198-208.	5.0	76
148	Fiber cavity ring-down for strain sensing using an OTDR. , 2014, , .		0
149	Evaporation of volatile compounds in suspended-core fibers. Optics Letters, 2014, 39, 3868.	3.3	12
150	Remote curvature fiber sensors using core mismatch structures and OTDR based interrogation. , 2014, , .		1
151	Strain sensitivity enhancement in suspended core fiber tapers. Photonic Sensors, 2013, 3, 118-123.	5.0	7
152	Torsion sensor based on a figure-of-eight cavity fibre laser. Laser Physics Letters, 2013, 10, 045105.	1.4	7
153	Parallel Fabry-Perot interferometer in suspended twin-core fiber. , 2013, , .		0
154	High birefringence triangular optical nanowire in suspended-core fiber for temperature sensing. Journal of Nanophotonics, 2013, 7, 073088.	1.0	3
155	Microcavity tip temperature sensor based on post-processing. , 2013, , .		0
156	High visibility phase-sensitive optical time domain reflectometer for distributed sensing of ultrasonic waves. , 2013, , .		6
157	New design for temperature-strain discrimination using fiber Bragg gratings embedded in laminated composites. Smart Materials and Structures, 2013, 22, 105011.	3.5	4
158	Pressure sensor based on an all-fiber Fabry-Perot interferometer for different gaseous environments. , 2013, , .		0
159	Next generation of Fabry-Perot sensors for high-temperature. Optical Fiber Technology, 2013, 19, 833-837.	2.7	24
160	Post-Processing of Fabry-Perot Microcavity Tip Sensor. IEEE Photonics Technology Letters, 2013, 25, 1593-1596.	2.5	14
161	Interrogation Sensing Scheme Based on a Figure-of-Eight Fiber Loop Mirror. IEEE Photonics Technology Letters, 2013, 25, 745-748.	2.5	2
162	Coherent Noise Reduction in High Visibility Phase-Sensitive Optical Time Domain Reflectometer for Distributed Sensing of Ultrasonic Waves. Journal of Lightwave Technology, 2013, 31, 3631-3637.	4.6	151

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163	Temperature-independent torsion sensor based on a figure-of-eight fiber loop mirror. <i>Photonic Sensors</i> , 2013, 3, 52-56.	5.0	1
164	Fiber laser sensor based on a phase-shifted chirped grating for acoustic sensing of partial discharges. <i>Photonic Sensors</i> , 2013, 3, 44-51.	5.0	16
165	A simple, self-referenced, intensity-based optical fibre sensor for temperature measurements. <i>Optics Communications</i> , 2013, 291, 215-218.	2.1	10
166	Study of strain-transfer of FBG sensors embedded in unidirectional composites. <i>Polymer Testing</i> , 2013, 32, 1006-1010.	4.8	20
167	H ₂ Sensing Based on a Pd-Coated Tapered-FBG Fabricated by DUV Femtosecond Laser Technique. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 401-403.	2.5	60
168	Strain-Temperature Discrimination Using Multimode Interference in Tapered Fiber. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 155-158.	2.5	53
169	On the improvement of strain measurements with FBG sensors embedded in unidirectional composites. <i>Polymer Testing</i> , 2013, 32, 99-105.	4.8	30
170	Modulation instability-induced fading in phase-sensitive optical time-domain reflectometry. <i>Optics Letters</i> , 2013, 38, 872.	3.3	118
171	Monitoring of non-homogeneous strains in wood glued joints with embedded FBG optical sensors in mode I delamination tests. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
172	Figure-of-eight cavity fiber laser based torsion sensor. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
173	High-birefringence fiber loop mirror sensor using a WDM fused fiber coupler. <i>Optics Letters</i> , 2013, 38, 2927.	3.3	5
174	Modulation instability-induced visibility fading in phase-sensitive OTDR. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
175	Review of fiber-optic pressure sensors for biomedical and biomechanical applications. <i>Journal of Biomedical Optics</i> , 2013, 18, 050903.	2.6	176
176	Design and characterization of a wearable macrobending fiber optic sensor for human joint angle determination. <i>Optical Engineering</i> , 2013, 52, 126106.	1.0	34
177	Large range linear torsion sensor based on a suspended-core fiber loop mirror. <i>Optical Engineering</i> , 2013, 52, 020501.	1.0	3
178	A vibration sensor based on a distributed Bragg reflector fibre laser. <i>Laser Physics Letters</i> , 2013, 10, 095102.	1.4	12
179	Chemical sensing by differential thermal analysis with a digitally controlled fiber optic interferometer. <i>Review of Scientific Instruments</i> , 2013, 84, 015002.	1.3	2
180	HiBi triangular optical nanowire in suspended-core fiber for sensing applications. , 2013, , .		0

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181	Simplified sensor design for temperature-strain discrimination using fiber Bragg gratings embedded in laminated composites. , 2013, , .		0
182	Optical inclinometer based on phase-shifted Bragg grating in a taper configuration. Proceedings of SPIE, 2013, , .	0.8	0
183	Temperature-independent pressure sensor using triangular-shape of suspended-core fiber. , 2012, , .		0
184	Simultaneous measurement of partial pressure of O ₂ and CO ₂ using hybrid interferometer. , 2012, , .		0
185	Hydrogen pressure sensor based on a tapered-FBG written by DUV femtosecond laser technique. , 2012, , .		0
186	Towards the control of highly sensitive Fabry-Pérot strain sensor based on hollow-core ring photonic crystal fiber. Optics Express, 2012, 20, 21946.	3.4	71
187	Gas refractometry based on an all-fiber spatial optical filter. Optics Letters, 2012, 37, 3450.	3.3	10
188	Simultaneous measurement of partial pressure of O ₂ and CO ₂ with a hybrid interferometer. Optics Letters, 2012, 37, 3063.	3.3	18
189	Spatial optical filter sensor based on hollow-core silica tube. Optics Letters, 2012, 37, 890.	3.3	10
190	Ultrahigh-sensitivity temperature fiber sensor based on multimode interference. Applied Optics, 2012, 51, 3236.	1.8	116
191	Multimode interference tapered fiber refractive index sensors. Applied Optics, 2012, 51, 5941.	1.8	70
192	A novel highly birefringent fiber loop mirror sensor based on a 3 λ -3 coupler. , 2012, , .		0
193	Simultaneous measurement of strain and temperature based on clover microstructured fiber loop mirror. Proceedings of SPIE, 2012, , .	0.8	3
194	Sensing characteristics of tapered high-birefringent optical fiber. Proceedings of SPIE, 2012, , .	0.8	3
195	Intensity curvature sensor based on photonic crystal fiber with three coupled cores. , 2012, , .		0
196	Strain characterization of suspended-core fiber tapers. , 2012, , .		0
197	Optical Current Sensors for High Power Systems: A Review. Applied Sciences (Switzerland), 2012, 2, 602-628.	2.5	135
198	Digital Control of a White Light Interrogation System for Optical Fiber Interferometers. IEEE Sensors Journal, 2012, 12, 201-206.	4.7	3

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199	Fabry-Pérot Cavity Based on a High-Birefringent Fiber Bragg Grating for Refractive Index and Temperature Measurement. IEEE Sensors Journal, 2012, 12, 17-21.	4.7	36
200	Interferometer based on a D-shape chaotic optical fiber for measurement of multiparameters. Photonic Sensors, 2012, 2, 381-384.	5.0	0
201	Curvature and Temperature Discrimination Using Multimode Interference Fiber Optic Structures—A Proof of Concept. Journal of Lightwave Technology, 2012, 30, 3569-3575.	4.6	36
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