

Orlando Frazão

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1283263/publications.pdf>

Version: 2024-02-01

443
papers

8,150
citations

36203

51
h-index

71532

76
g-index

444
all docs

444
docs citations

444
times ranked

4599
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical sensing with photonic crystal fibers. <i>Laser and Photonics Reviews</i> , 2008, 2, 449-459.	4.4	204
2	From conventional sensors to fibre optic sensors for strain and force measurements in biomechanics applications: A review. <i>Journal of Biomechanics</i> , 2014, 47, 1251-1261.	0.9	183
3	Review of fiber-optic pressure sensors for biomedical and biomechanical applications. <i>Journal of Biomedical Optics</i> , 2013, 18, 050903.	1.4	176
4	Fiber Bragg grating sensing system for simultaneous measurement of salinity and temperature. <i>Optical Engineering</i> , 2004, 43, 299.	0.5	171
5	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.	2.7	151
6	All-fiber Mach-Zehnder curvature sensor based on multimode interference combined with a long-period grating. <i>Optics Letters</i> , 2007, 32, 3074.	1.7	145
7	Optical Current Sensors for High Power Systems: A Review. <i>Applied Sciences (Switzerland)</i> , 2012, 2, 602-628.	1.3	135
8	Optical Vernier Effect: Recent Advances and Developments. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000588.	4.4	129
9	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.	2.7	123
10	Recent Advances in High-Birefringence Fiber Loop Mirror Sensors. <i>Sensors</i> , 2007, 7, 2970-2983.	2.1	121
11	Modulation instability-induced fading in phase-sensitive optical time-domain reflectometry. <i>Optics Letters</i> , 2013, 38, 872.	1.7	118
12	Ultra-high-sensitivity temperature fiber sensor based on multimode interference. <i>Applied Optics</i> , 2012, 51, 3236.	0.9	116
13	A Review of Palladium-Based Fiber-Optic Sensors for Molecular Hydrogen Detection. <i>IEEE Sensors Journal</i> , 2012, 12, 93-102.	2.4	114
14	Optical inclinometer based on a single long-period fiber grating combined with a fused taper. <i>Optics Letters</i> , 2006, 31, 2960.	1.7	112
15	Temperature-Independent Strain Sensor Based on a Hi-Bi Photonic Crystal Fiber Loop Mirror. <i>IEEE Sensors Journal</i> , 2007, 7, 1453-1455.	2.4	111
16	Simultaneous Measurement for Strain and Temperature Based on a Long-Period Grating Combined With a High-Birefringence Fiber Loop Mirror. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 2407-2409.	1.3	103
17	Applications of Fiber Optic Grating Technology to Multi-Parameter Measurement. <i>Fiber and Integrated Optics</i> , 2005, 24, 227-244.	1.7	102
18	Optical Fiber Temperature Sensors and Their Biomedical Applications. <i>Sensors</i> , 2020, 20, 2113.	2.1	102

#	ARTICLE	IF	CITATIONS
19	Fabry-Perot cavity based on a diaphragm-free hollow-core silica tube. <i>Optics Letters</i> , 2011, 36, 4029.	1.7	90
20	Optical Harmonic Vernier Effect: A New Tool for High Performance Interferometric Fiber Sensors. <i>Sensors</i> , 2019, 19, 5431.	2.1	90
21	Magnetic Field Sensor Based on Nonadiabatic Tapered Optical Fiber With Magnetic Fluid. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1904-1907.	1.3	88
22	Simultaneous measurement of multiparameters using a Sagnac interferometer with polarization maintaining side-hole fiber. <i>Applied Optics</i> , 2008, 47, 4841.	2.1	87
23	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.	1.7	86
24	Modal interferometer based on hollow-core photonic crystal fiber for strain and temperature measurement. <i>Optics Express</i> , 2009, 17, 18669.	1.7	84
25	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.	2.7	81
26	Advanced fiber-optic acoustic sensors. <i>Photonic Sensors</i> , 2014, 4, 198-208.	2.5	76
27	Discrimination of strain and temperature using Bragg gratings in microstructured and standard optical fibres. <i>Measurement Science and Technology</i> , 2005, 16, 2109-2113.	1.4	74
28	Multiwavelength fiber laser based on a photonic crystal fiber loop mirror with cooperative Rayleigh scattering. <i>Applied Physics B: Lasers and Optics</i> , 2010, 99, 391-395.	1.1	74
29	All Fiber Mach-Zehnder Interferometer Based on Suspended Twin-Core Fiber. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1300-1302.	1.3	74
30	Temperature- and strain-independent torsion sensor using a fiber loop mirror based on suspended twin-core fiber. <i>Optics Letters</i> , 2010, 35, 2777.	1.7	74
31	Fabry-Perot refractometer based on an end-of-fiber polymer tip. <i>Optics Letters</i> , 2009, 34, 2474.	1.7	73
32	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.	2.1	73
33	Curvature sensor using a highly birefringent photonic crystal fiber with two asymmetric hole regions in a Sagnac interferometer. <i>Applied Optics</i> , 2008, 47, 2520.	2.1	71
34	Towards the control of highly sensitive Fabry-Perot strain sensor based on hollow-core ring photonic crystal fiber. <i>Optics Express</i> , 2012, 20, 21946.	1.7	71
35	Multimode interference tapered fiber refractive index sensors. <i>Applied Optics</i> , 2012, 51, 5941.	0.9	70
36	Fiber-Optic Interferometric Torsion Sensor Based on a Two-LP-Mode Operation in Birefringent Fiber. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1277-1279.	1.3	69

#	ARTICLE	IF	CITATIONS
37	Mandrel-Based Fiber-Optic Sensors for Acoustic Detection of Partial Discharges—a Proof of Concept. IEEE Transactions on Power Delivery, 2010, 25, 2526-2534.	2.9	68
38	Smart sensors/actuators for biomedical applications: Review. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1675-1688.	2.5	67
39	Temperature-Independent Curvature Sensor Using FBG Cladding Modes Based on a Core Misaligned Splice. IEEE Photonics Technology Letters, 2011, 23, 804-806.	1.3	65
40	Intrinsic Fabry-Pérot Cavity Sensor Based on Etched Multimode Graded Index Fiber for Strain and Temperature Measurement. IEEE Sensors Journal, 2012, 12, 8-12.	2.4	63
41	A reflective optical fiber refractometer based on multimode interference. Sensors and Actuators B: Chemical, 2012, 161, 88-92.	4.0	63
42	Optical flowmeter using a modal interferometer based on a single nonadiabatic fiber taper. Optics Letters, 2007, 32, 1974.	1.7	62
43	Optical refractometer based on a birefringent Bragg grating written in an H-shaped fiber. Optics Letters, 2009, 34, 76.	1.7	62
44	Chirped Bragg grating fabricated in fused fibre taper for strain-temperature discrimination. Measurement Science and Technology, 2005, 16, 984-988.	1.4	61
45	Fabry-Pérot Cavity Based on a Suspended-Core Fiber for Strain and Temperature Measurement. IEEE Photonics Technology Letters, 2009, 21, 1229-1231.	1.3	61
46	Multiwavelength Raman Fiber Lasers Using Hi-Bi Photonic Crystal Fiber Loop Mirrors Combined With Random Cavities. Journal of Lightwave Technology, 2011, 29, 1482-1488.	2.7	61
47	H_{22} Sensing Based on a Pd-Coated Tapered-FBG Fabricated by DUV Femtosecond Laser Technique. IEEE Photonics Technology Letters, 2013, 25, 401-403.	1.3	60
48	Temperature and strain-independent curvature sensor based on a singlemode/multimode fiber optic structure. Measurement Science and Technology, 2011, 22, 085201.	1.4	59
49	Refractometric sensor based on a phase-shifted long-period fiber grating. Applied Optics, 2006, 45, 5066.	2.1	57
50	Multimode Fabry-Pérot Interferometer Probe Based on Vernier Effect for Enhanced Temperature Sensing. Sensors, 2019, 19, 453.	2.1	55
51	Strain-Temperature Discrimination Using Multimode Interference in Tapered Fiber. IEEE Photonics Technology Letters, 2013, 25, 155-158.	1.3	53
52	Superimposed Bragg gratings in high-birefringence fibre optics: three-parameter simultaneous measurements. Measurement Science and Technology, 2004, 15, 1453-1457.	1.4	49
53	Strain sensitivity control of fiber Bragg grating structures with fused tapers. Applied Optics, 2007, 46, 8578.	2.1	49
54	Strain and Temperature Discrimination Using Concatenated High-Birefringence Fiber Loop Mirrors. IEEE Photonics Technology Letters, 2007, 19, 1260-1262.	1.3	49

#	ARTICLE	IF	CITATIONS
55	High birefringence D-type fibre loop mirror used as refractometer. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 108-111.	4.0	49
56	Simultaneous measurement of strain and temperature using a Bragg grating structure written in germanosilicate fibres. <i>Journal of Optics</i> , 2004, 6, 553-556.	1.5	48
57	Fiber-Optic Inclinator Based on Taper Michelson Interferometer. <i>IEEE Sensors Journal</i> , 2011, 11, 1811-1814.	2.4	48
58	Raman fibre Bragg-grating laser sensor with cooperative Rayleigh scattering for strain-temperature measurement. <i>Measurement Science and Technology</i> , 2009, 20, 045203.	1.4	46
59	Optical fiber refractometry based on multimode interference. <i>Applied Optics</i> , 2011, 50, E184.	2.1	45
60	Hollow microsphere combined with optical harmonic Vernier effect for strain and temperature discrimination. <i>Optics and Laser Technology</i> , 2020, 127, 106198.	2.2	45
61	Optical fiber refractometer based on a Fabry-Pérot interferometer. <i>Optical Engineering</i> , 2008, 47, 054403.	0.5	43
62	Optical Fiber Humidity Sensor Based on Polyvinylidene Fluoride Fabry-Pérot. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 549-552.	1.3	43
63	Micro-displacement or bending measurement using a long-period fibre grating in a self-referenced fibre optic intensity sensor. <i>Optics Communications</i> , 2006, 260, 8-11.	1.0	42
64	Focused ion beam post-processing of optical fiber Fabry-Perot cavities for sensing applications. <i>Optics Express</i> , 2014, 22, 13102.	1.7	42
65	Tunable L-band erbium-doped fibre ring laser by means of induced cavity loss using a fibre taper. <i>Applied Physics B: Lasers and Optics</i> , 2003, 77, 139-142.	1.1	39
66	Simultaneous measurement of curvature and strain using a suspended multicore fiber. <i>Optics Letters</i> , 2011, 36, 3939.	1.7	39
67	Microcystin-LR detection in water by the Fabry-Pérot interferometer using an optical fibre coated with a sol-gel imprinted sensing membrane. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3932-3937.	5.3	39
68	Sampled fibre Bragg grating sensors for simultaneous strain and temperature measurement. <i>Electronics Letters</i> , 2002, 38, 693.	0.5	38
69	Low-loss splice in a microstructured fibre using a conventional fusion splicer. <i>Microwave and Optical Technology Letters</i> , 2005, 46, 172-174.	0.9	36
70	Optical refractometer based on large-core air-clad photonic crystal fibers. <i>Optics Letters</i> , 2011, 36, 852.	1.7	36
71	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.	2.4	36
72	Curvature and Temperature Discrimination Using Multimode Interference Fiber Optic Structures: A Proof of Concept. <i>Journal of Lightwave Technology</i> , 2012, 30, 3569-3575.	2.7	36

#	ARTICLE	IF	CITATIONS
73	Fiber Fabry-Perot interferometer for curvature sensing. <i>Photonic Sensors</i> , 2016, 6, 339-344.	2.5	36
74	Design and characterization of a wearable macrobending fiber optic sensor for human joint angle determination. <i>Optical Engineering</i> , 2013, 52, 126106.	0.5	34
75	Fabry-Perot cavity based on silica tube for strain sensing at high temperatures. <i>Optics Express</i> , 2015, 23, 16063.	1.7	34
76	High Enhancement Strain Sensor Based on Vernier Effect Using 2-Fiber Loop Mirrors. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1139-1142.	1.3	34
77	Quasi-distributed displacement sensor for structural monitoring using a commercial OTDR. <i>Optics and Lasers in Engineering</i> , 2006, 44, 771-778.	2.0	33
78	Fiber Loop Mirror Using a Small Core Microstructured Fiber for Strain and Temperature Discrimination. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1120-1122.	1.3	33
79	Fabry-Perot cavities based on chemical etching for high temperature and strain measurement. <i>Optics Communications</i> , 2012, 285, 1159-1162.	1.0	33
80	Temperature independent torsion sensor using a high-birefringent Sagnac loop interferometer. <i>Optics Communications</i> , 2012, 285, 1167-1170.	1.0	33
81	Simultaneous Measurement of Refractive Index and Temperature Using a Hybrid Fiber Bragg Grating/Long-Period Fiber Grating Configuration. <i>Fiber and Integrated Optics</i> , 2009, 28, 440-449.	1.7	32
82	Characterization of optical fiber long period grating refractometer with nanocoating. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 335-339.	4.0	30
83	On the improvement of strain measurements with FBG sensors embedded in unidirectional composites. <i>Polymer Testing</i> , 2013, 32, 99-105.	2.3	30
84	Multimodal Interferometer Based on a Suspended Core Fiber for Simultaneous Measurement of Physical Parameters. <i>Journal of Lightwave Technology</i> , 2015, 33, 2468-2473.	2.7	30
85	Controlling the Sensitivity of Refractive Index Measurement Using a Tapered Fiber Loop Mirror. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1219-1221.	1.3	29
86	Fiber Optic-Based Refractive Index Sensing at INESC Porto. <i>Sensors</i> , 2012, 12, 8371-8389.	2.1	29
87	Refractive Index Measurement of Liquids Based on Microstructured Optical Fibers. <i>Photonics</i> , 2014, 1, 516-529.	0.9	29
88	Silica microspheres array strain sensor. <i>Optics Letters</i> , 2014, 39, 5937.	1.7	29
89	Inscription of Fiber Bragg Grating Arrays in Pure Silica Suspended Core Fibers. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1453-1455.	1.3	28
90	Hollow Microsphere Fabry-Perot Cavity for Sensing Applications. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1229-1232.	1.3	27

#	ARTICLE	IF	CITATIONS
91	Intensity-referenced and temperature-independent curvature-sensing concept based on chirped fiber Bragg gratings. <i>Applied Optics</i> , 2005, 44, 3821.	2.1	26
92	Fiber Bragg Grating Structures with Fused Tapers. <i>Fiber and Integrated Optics</i> , 2011, 30, 9-28.	1.7	26
93	Simultaneous measurement of strain and temperature using type I and type IIA fibre Bragg gratings. <i>Journal of Optics</i> , 2003, 5, 183-185.	1.5	25
94	Optic fibre sensor for real-time damage detection in smart composite. <i>Computers and Structures</i> , 2004, 82, 1315-1321.	2.4	25
95	300 km-ultralong Raman fiber lasers using a distributed mirror for sensing applications. <i>Optics Express</i> , 2011, 19, 18149.	1.7	25
96	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.	1.7	25
97	Micro-Displacement Sensor Based on a Hollow-Core Photonic Crystal Fiber. <i>Sensors</i> , 2012, 12, 17497-17503.	2.1	24
98	Next generation of Fabry-Perot sensors for high-temperature. <i>Optical Fiber Technology</i> , 2013, 19, 833-837.	1.4	24
99	A hybrid Fabry-Perot/Michelson interferometer sensor using a dual asymmetric core microstructured fiber. <i>Measurement Science and Technology</i> , 2010, 21, 025205.	1.4	23
100	Interrogation of a Suspended-Core Fabry-Perot Temperature Sensor Through a Dual Wavelength Raman Fiber Laser. <i>Journal of Lightwave Technology</i> , 2010, , .	2.7	23
101	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.	1.1	23
102	[INVITED] New advances in fiber cavity ring-down technology. <i>Optics and Laser Technology</i> , 2016, 78, 115-119.	2.2	23
103	Simple sensing head geometry using fibre Bragg gratings for strain-temperature discrimination. <i>Optics Communications</i> , 2007, 279, 68-71.	1.0	22
104	Refractive index tip sensor based on Fabry-Perot cavities formed by a suspended core fibre. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 4, .	0.9	22
105	Suspended-core fibers for sensing applications. <i>Photonic Sensors</i> , 2012, 2, 118-126.	2.5	22
106	Temperature Compensated Strain Sensor Based on Long-Period Gratings and Microspheres. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 67-70.	1.3	22
107	Production and characterisation of Bragg gratings written in high-birefringence fibre optics. <i>IET Circuits, Devices and Systems</i> , 2003, 150, 495.	0.6	21
108	Radio-Frequency Self-Referencing Technique With Enhanced Sensitivity for Coarse WDM Fiber Optic Intensity Sensors. <i>Journal of Lightwave Technology</i> , 2009, 27, 475-482.	2.7	21

#	ARTICLE	IF	CITATIONS
109	Highly birefringent photonic bandgap Bragg fiber loop mirror for simultaneous measurement of strain and temperature. <i>Optics Letters</i> , 2011, 36, 993.	1.7	21
110	Intensity curvature sensor based on photonic crystal fiber with three coupled cores. <i>Optics Communications</i> , 2012, 285, 5128-5131.	1.0	21
111	Fabry-Perot cavity based on polymer FBG as refractive index sensor. <i>Optics Communications</i> , 2017, 394, 37-40.	1.0	21
112	Chirped fibre Bragg grating based multiplexer and demultiplexer for DWDM applications. <i>Optics and Lasers in Engineering</i> , 2005, 43, 987-994.	2.0	20
113	Bragg gratings in normal and reduced diameter high birefringence fibre optics. <i>Measurement Science and Technology</i> , 2006, 17, 1477-1484.	1.4	20
114	Study of strain-transfer of FBG sensors embedded in unidirectional composites. <i>Polymer Testing</i> , 2013, 32, 1006-1010.	2.3	20
115	Mach-Zehnder Based on Large Knot Fiber Resonator for Refractive Index Measurement. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 1279-1281.	1.3	20
116	Giant refractometric sensitivity by combining extreme optical Vernier effect and modal interference. <i>Scientific Reports</i> , 2020, 10, 19313.	1.6	20
117	Strain-temperature discrimination using a step spectrum profile fibre Bragg grating arrangement. <i>Sensors and Actuators A: Physical</i> , 2005, 120, 490-493.	2.0	19
118	Strain and temperature characterisation of sensing head based on suspended-core fibre in Sagnac interferometer. <i>Electronics Letters</i> , 2008, 44, 1455.	0.5	19
119	Mechanical characterization of bone cement using fiber Bragg grating sensors. <i>Materials & Design</i> , 2009, 30, 1841-1844.	5.1	18
120	Manufacturing and testing composite overwrapped pressure vessels with embedded sensors. <i>Materials & Design</i> , 2010, 31, 4016-4022.	5.1	18
121	Intermodal interferometer for strain and temperature sensing fabricated in birefringent boron doped microstructured fiber. <i>Applied Optics</i> , 2011, 50, 3742.	2.1	18
122	Simultaneous measurement of partial pressure of O ₂ and CO ₂ with a hybrid interferometer. <i>Optics Letters</i> , 2012, 37, 3063.	1.7	18
123	Fabry-Perot Cavity Based on Hollow-Core Ring Photonic Crystal Fiber for Pressure Sensing. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 2122-2124.	1.3	18
124	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.	1.3	18
125	Fiber cavity ring-down using an optical time-domain reflectometer. <i>Photonic Sensors</i> , 2014, 4, 295-299.	2.5	18
126	Temperature field acquisition during gas metal arc welding using thermocouples, thermography and fibre Bragg grating sensors. <i>Measurement Science and Technology</i> , 2007, 18, 877-883.	1.4	17

#	ARTICLE	IF	CITATIONS
127	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.	3.1	17
128	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.	2.2	17
129	Acoustic Optical Fiber Sensor Based on Graphene Oxide Membrane. <i>Sensors</i> , 2021, 21, 2336.	2.1	17
130	Fibre Bragg grating sensors for monitoring the metal inert gas and friction stir welding processes. <i>Measurement Science and Technology</i> , 2010, 21, 085105.	1.4	16
131	Long-Period Grating Fiber Sensor With In Situ Optical Source for Remote Sensing. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1533-1535.	1.3	16
132	Fiber laser sensor based on a phase-shifted chirped grating for acoustic sensing of partial discharges. <i>Photonic Sensors</i> , 2013, 3, 44-51.	2.5	16
133	An all-fiber Fabry-Pérot interferometer for pressure sensing in different gaseous environments. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 47, 418-421.	2.5	16
134	Experimental and Numerical Characterization of a Hybrid Fabry-Pérot Cavity for Temperature Sensing. <i>Sensors</i> , 2015, 15, 8042-8053.	2.1	16
135	Fiber-integrated phase-change reconfigurable optical attenuator. <i>APL Photonics</i> , 2019, 4, .	3.0	16
136	Optical bend sensor based on a long-period fiber grating monitored by an optical time-domain reflectometer. <i>Optical Engineering</i> , 2005, 44, 110502.	0.5	15
137	Simultaneous measurement of strain and temperature using fibre Bragg gratings in a twisted configuration. <i>Journal of Optics</i> , 2005, 7, 427-430.	1.5	15
138	Optical Fiber Sensing System Based on Long-Period Gratings for Remote Refractive Index Measurement in Aqueous Environments. <i>Fiber and Integrated Optics</i> , 2010, 29, 160-169.	1.7	15
139	Simultaneous measurement of strain and temperature using fiber Bragg grating sensors embedded in hybrid composite laminates. <i>Measurement Science and Technology</i> , 2011, 22, 045206.	1.4	15
140	Ultra-High Sensitive Strain Sensor Based on Post-Processed Optical Fiber Bragg Grating. <i>Fibers</i> , 2014, 2, 142-149.	1.8	15
141	Optical Inclinometer Based on a Phase-Shifted Bragg Grating in a Taper Configuration. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 405-407.	1.3	15
142	Temperature independent refractive index measurement using a fiber Bragg grating on abrupt tapered tip. <i>Optics and Laser Technology</i> , 2018, 101, 227-231.	2.2	15
143	Effect of the recoating and the length on fiber Bragg grating sensors embedded in polymer composites. <i>Materials & Design</i> , 2009, 30, 1818-1821.	5.1	14
144	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.	2.7	14

#	ARTICLE	IF	CITATIONS
145	Post-Processing of Fabry-Pérot Microcavity Tip Sensor. IEEE Photonics Technology Letters, 2013, 25, 1593-1596.	1.3	14
146	Microfiber Knot with Taper Interferometer for temperature and refractive index discrimination. IEEE Photonics Technology Letters, 2017, , 1-1.	1.3	14
147	Pressure and temperature characterization of two interferometric configurations based on suspended-core fibers. Optics Communications, 2012, 285, 269-273.	1.0	13
148	Ammonia sensing system based on wavelength modulation spectroscopy. Photonic Sensors, 2015, 5, 109-115.	2.5	13
149	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.	2.5	13
150	Giant Displacement Sensitivity Using Push-Pull Method in Interferometry. Photonics, 2021, 8, 23.	0.9	13
151	Stimulated Raman Scattering and its Applications in Optical Communications and Optical Sensors. The Open Optics Journal, 2009, 3, 1-11.	0.1	13
152	Fibre Bragg grating interrogation based on high-birefringence fibre loop mirror for strain temperature discrimination. Microwave and Optical Technology Letters, 2006, 48, 2326-2328.	0.9	12
153	Extrinsic and intrinsic fiber optic interferometric sensors for acoustic detection in high-voltage environments. Optical Engineering, 2009, 48, 024401.	0.5	12
154	Nanostrain measurement using chirped Bragg grating Fabry-Perot interferometer. Photonic Sensors, 2012, 2, 77-80.	2.5	12
155	A vibration sensor based on a distributed Bragg reflector fibre laser. Laser Physics Letters, 2013, 10, 095102.	0.6	12
156	<i>In vivo</i> measurement of the pressure signal in the intervertebral disc of an anesthetized sheep. Journal of Biomedical Optics, 2014, 19, 037006.	1.4	12
157	Evaporation of volatile compounds in suspended-core fibers. Optics Letters, 2014, 39, 3868.	1.7	12
158	Fibre Bragg grating interrogation technique based on a chirped grating written in an erbium-doped fibre. Measurement Science and Technology, 2003, 14, 1993-1997.	1.4	11
159	Simultaneous measurement of pressure and temperature using single mode optical fibres embedded in a hybrid composite laminated. Composites Science and Technology, 2005, 65, 1756-1760.	3.8	11
160	Discrimination of Temperature, Strain, and Transverse Load by Using Fiber Bragg Gratings in a Twisted Configuration. IEEE Sensors Journal, 2006, 6, 1609-1613.	2.4	11
161	Monitoring the quality of frying oils using a nanolayer coated optical fiber refractometer. Talanta, 2010, 83, 291-293.	2.9	11
162	High-Birefringent Fiber Loop Mirror Sensors With an Output Port Probe. IEEE Photonics Technology Letters, 2011, 23, 103-105.	1.3	11

#	ARTICLE	IF	CITATIONS
163	Temperature-Independent Multi-Parameter Measurement Based on a Tapered Bragg Fiber. IEEE Photonics Technology Letters, 2016, 28, 1565-1568.	1.3	11
164	Bending sensitivity dependent on the phase shift imprinted in long-period fibre gratings. Measurement Science and Technology, 2007, 18, 3123-3130.	1.4	10
165	Strain and Temperature Discrimination Using Modal Interferometry in Bragg Fibers. IEEE Photonics Technology Letters, 2010, 22, 1616-1618.	1.3	10
166	Simultaneous measurement of three parameters using an all-fiber Mach-Zehnder interferometer based on suspended twin-core fibers. Optical Engineering, 2011, 50, 030501.	0.5	10
167	Gas refractometry based on an all-fiber spatial optical filter. Optics Letters, 2012, 37, 3450.	1.7	10
168	Spatial optical filter sensor based on hollow-core silica tube. Optics Letters, 2012, 37, 890.	1.7	10
169	Long-Period Gratings Dynamic Interrogation With Modulated Fiber Bragg Gratings and Optical Amplification. IEEE Sensors Journal, 2012, 12, 179-183.	2.4	10
170	A simple, self-referenced, intensity-based optical fibre sensor for temperature measurements. Optics Communications, 2013, 291, 215-218.	1.0	10
171	High-sensitivity dispersive Mach-Zehnder interferometer based on a dissimilar-doping dual-core fiber for sensing applications. Optics Letters, 2014, 39, 2763.	1.7	10
172	Micro-Displacement Sensor Combined With a Fiber Ring Interrogated by an Optical Time-Domain Reflectometer. IEEE Sensors Journal, 2014, 14, 793-796.	2.4	10
173	Simultaneous measurement of strain and temperature based on clover microstructured fiber loop mirror. Measurement: Journal of the International Measurement Confederation, 2015, 65, 50-53.	2.5	10
174	Fiber-Optic Cavity Ring Down Using an Added-Signal for Curvature Sensing. IEEE Photonics Technology Letters, 2015, 27, 2079-2082.	1.3	10
175	Fiber cavity ring down and gain amplification effect. Photonic Sensors, 2016, 6, 324-327.	2.5	10
176	Colossal Enhancement of Strain Sensitivity Using the Push-Pull Deformation Method. IEEE Sensors Journal, 2021, 21, 4623-4627.	2.4	10
177	Strain and Temperature Discrimination Using High-Birefringence Erbium-Doped Fiber Loop Mirror With High Pump Power Laser. IEEE Photonics Technology Letters, 2008, 20, 1033-1035.	1.3	9
178	Optical fibre sensing networks. , 2009, , .		9
179	Magnetic field sensor with Terfenol-D thin-film coated FBG. Proceedings of SPIE, 2012, , .	0.8	9
180	New Trends in Dental Biomechanics with Photonics Technologies. Applied Sciences (Switzerland), 2015, 5, 1350-1378.	1.3	9

#	ARTICLE	IF	CITATIONS
181	A simple smart composite using fiber Bragg grating sensors for strain and temperature discrimination. <i>Microwave and Optical Technology Letters</i> , 2009, 51, 235-239.	0.9	8
182	Fiber fabry-perot sensors for acoustic detection of partial discharges in transformers. , 2009, , .		8
183	Center of gravity estimation using a reaction board instrumented with fiber Bragg gratings. <i>Photonic Sensors</i> , 2018, 8, 1-6.	2.5	8
184	Optical Fiber Probe Viscometer Based on Hollow Capillary Tube. <i>Journal of Lightwave Technology</i> , 2019, 37, 4456-4461.	2.7	8
185	Detection of the Crystallization Process of Paracetamol with a Multi-Mode Optical Fiber in a Reflective Configuration. <i>Sensors</i> , 2020, 20, 87.	2.1	8
186	Nano-Displacement Measurement Using an Optical Drop-Shaped Structure. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 65-68.	1.3	8
187	Ultrahigh-sensitivity temperature fiber sensor based on multimode interference. <i>Applied Optics</i> , 2012, 51, 2542.	2.1	8
188	Evaluation of coupling losses in hollow-core photonic crystal fibres. , 2007, , .		7
189	Frequency Modulated Continuous Wave System for Optical Fiber Intensity Sensors With Optical Amplification. <i>IEEE Sensors Journal</i> , 2009, 9, 1647-1653.	2.4	7
190	Industrialization of advanced optical technologies for environmental monitoring. <i>Clean Technologies and Environmental Policy</i> , 2010, 12, 65-73.	2.1	7
191	Comparison of Brillouin-Raman comb fiber laser in two different configurations. <i>Laser Physics</i> , 2011, 21, 1925-1931.	0.6	7
192	Design and experimental evaluation of a composite strain rosette using fiber Bragg grating. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 1853-1857.	0.9	7
193	Strain sensitivity enhancement in suspended core fiber tapers. <i>Photonic Sensors</i> , 2013, 3, 118-123.	2.5	7
194	Torsion sensor based on a figure-of-eight cavity fibre laser. <i>Laser Physics Letters</i> , 2013, 10, 045105.	0.6	7
195	High sensitivity strain sensor based on twin hollow microspheres. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 454-458.	0.9	7
196	Fiber-Integrated Phase Change Metasurfaces with Switchable Group Delay Dispersion. <i>Advanced Optical Materials</i> , 0, , 2100803.	3.6	7
197	Simultaneous measurement of strain and temperature based on polarization loss properties of arc-induced long-period gratings. , 2004, 5502, 168.		6
198	Measurement of angular rotation using a long period fiber grating in a self-referenced fiber optic intensity sensor. , 2005, , .		6

#	ARTICLE	IF	CITATIONS
199	Fiber ring laser sensor for strain-temperature discrimination based on four-wave mixing effect. Optical Engineering, 2007, 46, 010502.	0.5	6
200	Optical current sensor based on metal coated Hi-Bi fiber loop mirror. Microwave and Optical Technology Letters, 2008, 50, 780-782.	0.9	6
201	Ring fibre laser with interferometer based in long period grating for sensing applications. Optics Communications, 2008, 281, 5601-5604.	1.0	6
202	Intelligent Optical Sensors Using Artificial Neural Network Approach. , 2008, , 289-294.		6
203	Modal Interferometer Based on ARROW Fiber for Strain and Temperature Measurement. IEEE Photonics Technology Letters, 2009, 21, 1636-1638.	1.3	6
204	Intrinsic and extrinsic fiber Fabry-Perot sensors for acoustic detection in liquids. Microwave and Optical Technology Letters, 2010, 52, 1129-1134.	0.9	6
205	Interferometric optical fiber inclinometer with dynamic FBG based interrogation. , 2011, , .		6
206	Multimode interference in tapered single mode-multimode-single mode fiber structures for strain sensing applications. , 2012, , .		6
207	High visibility phase-sensitive optical time domain reflectometer for distributed sensing of ultrasonic waves. , 2013, , .		6
208	Fiber Loop Mirror Sensors Interrogated and Multiplexed by OTDR. Journal of Lightwave Technology, 2015, 33, 2580-2584.	2.7	6
209	Chirped fiber bragg grating cavity ring-down for strain sensing using an OTDR. Microwave and Optical Technology Letters, 2015, 57, 1442-1444.	0.9	6
210	Bi-core optical fiber for sensing of temperature, strain and torsion. Measurement Science and Technology, 2019, 30, 035104.	1.4	6
211	Femtosecond laser direct written off-axis fiber Bragg gratings for sensing applications. Optics and Laser Technology, 2020, 128, 106227.	2.2	6
212	Experimental investigation of a strain gauge sensor based on Fiber Bragg Grating for diameter measurement. Optical Fiber Technology, 2021, 61, 102428.	1.4	6
213	Optical cross-connect based on tuneable FBG-OC with full scalability and bidirectionality. Optics Communications, 2003, 220, 105-109.	1.0	5
214	Optical Fiber Communications: Recent Contributions in Photonic Device Technology. Fiber and Integrated Optics, 2005, 24, 371-394.	1.7	5
215	Fibre Bragg grating switching behaviour using high-power pump laser diodes. Microwave and Optical Technology Letters, 2006, 48, 1538-1540.	0.9	5
216	Birefringence monitoring of a Hi-Bi fibre under chemical etching through a fibre loop mirror. Measurement Science and Technology, 2007, 18, N81-N83.	1.4	5

#	ARTICLE	IF	CITATIONS
217	Rayleigh assisted Brillouin effects in distributed Raman amplifiers under saturated conditions at 40 Gb/s. Microwave and Optical Technology Letters, 2010, 52, 1331-1335.	0.9	5
218	Optimization of the frequency-modulated continuous wave technique for referencing and multiplexing intensity-based fiber optic sensors. Measurement: Journal of the International Measurement Confederation, 2011, 44, 230-237.	2.5	5
219	Dynamic interrogation for optical fibre sensors based on long-period gratings. Measurement Science and Technology, 2011, 22, 065201.	1.4	5
220	Multimode interference in outer cladding large-core, air-clad photonic crystal fiber. Microwave and Optical Technology Letters, 2012, 54, 1009-1011.	0.9	5
221	High-birefringence fiber loop mirror sensor using a WDM fused fiber coupler. Optics Letters, 2013, 38, 2927.	1.7	5
222	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
223	Fiber optic displacement sensor based on a double-reflecting OTDR technique. Microwave and Optical Technology Letters, 2015, 57, 1312-1315.	0.9	5
224	Cleaved Silica Microsphere for Temperature Measurement. IEEE Photonics Technology Letters, 2018, 30, 797-800.	1.3	5
225	A Brief Review of New Fiber Microsphere Geometries. Fibers, 2018, 6, 48.	1.8	5
226	Optical Fiber Sensors for Structural Monitoring in Power Transformers. Sensors, 2021, 21, 6127.	2.1	5
227	Simultaneous measurement of temperature and strain using a step spectrum profile fibre Bragg grating arrangement. , 2004, , .		4
228	Temperature sensor using HiBi erbium-doped fiber loop mirror. Microwave and Optical Technology Letters, 2008, 50, 3152-3154.	0.9	4
229	Measurement of acetic acid using a fibre Bragg grating interferometer. Measurement Science and Technology, 2009, 20, 125201.	1.4	4
230	Optical inclinometer based on fibre-taper-modal Michelson interferometer. , 2010, , .		4
231	A Raman laser intensity sensor induced by the cooperative Rayleigh scattering in a ring configuration. Laser Physics, 2011, 21, 928-930.	0.6	4
232	Sensing characteristics of birefringent microstructured polymer optical fiber. , 2011, , .		4
233	Optical refractometer based on multimode interference in a pure silica tube. Optical Engineering, 2011, 50, 100504.	0.5	4
234	Long period gratings and rocking filters written with a CO2 laser in highly-birefringent boron-doped photonic crystal fibers for sensing applications. Optics Communications, 2012, 285, 264-268.	1.0	4

#	ARTICLE	IF	CITATIONS
235	New design for temperature-strain discrimination using fiber Bragg gratings embedded in laminated composites. Smart Materials and Structures, 2013, 22, 105011.	1.8	4
236	Evaluation of the performance of orthodontic devices using FBG sensors. Journal of Physics: Conference Series, 2015, 605, 012017.	0.3	4
237	A fiber optic buckle transducer for measurement of in vitro tendon strain. Proceedings of SPIE, 2015, , .	0.8	4
238	Cavity ring-down technique for remote sensing. Microwave and Optical Technology Letters, 2016, 58, 2711-2713.	0.9	4
239	Fiber ring resonator using a cavity ring-down interrogation technique for curvature sensing. Microwave and Optical Technology Letters, 2016, 58, 267-270.	0.9	4
240	Acetone evaporation and water vapor detection using a caterpillar-like microstructured fiber. Microwave and Optical Technology Letters, 2016, 58, 679-683.	0.9	4
241	Fiber Bragg grating sensor based on cantilever structure embedded in polymer 3D printed material. Proceedings of SPIE, 2017, , .	0.8	4
242	Ring-Down Technique Using Fiber-Based Linear Cavity for Remote Sensing. , 2018, 2, 1-4.		4
243	Tuning of Fiber Optic Surface Reflectivity through Graphene Oxide-Based Layer-by-Layer Film Coatings. Photonics, 2020, 7, 11.	0.9	4
244	A Simple Optical Sensor Based on Multimodal Interference Superimposed on Additive Manufacturing for Diameter Measurement. Sensors, 2022, 22, 4560.	2.1	4
245	Comparison of the thermal tuning capability of different types of Bragg grating filters for wavelength division multiplexing applications. Optical Engineering, 2003, 42, 2502.	0.5	3
246	Intensity-referenced temperature-independent curvature sensing concept based on chirped gratings embedded in a composite laminate. , 2004, 5502, 164.		3
247	Strain and temperature discrimination using a Hi-Bi grating partially exposed to chemical etching. , 2005, , .		3
248	Brillouin effects in distributed Raman amplifiers under saturated conditions. , 2009, , .		3
249	Optical cavity fibre sensor for detection of microcystin-LR in water. , 2010, , .		3
250	Bragg fibre for sensing applications. Proceedings of SPIE, 2010, , .	0.8	3
251	Simultaneous measurement of strain and temperature based on clover microstructured fiber loop mirror. Proceedings of SPIE, 2012, , .	0.8	3
252	Sensing characteristics of tapered high-birefringent optical fiber. Proceedings of SPIE, 2012, , .	0.8	3

#	ARTICLE	IF	CITATIONS
253	Digital Control of a White Light Interrogation System for Optical Fiber Interferometers. IEEE Sensors Journal, 2012, 12, 201-206.	2.4	3
254	High birefringence triangular optical nanowire in suspended-core fiber for temperature sensing. Journal of Nanophotonics, 2013, 7, 073088.	0.4	3
255	Large range linear torsion sensor based on a suspended-core fiber loop mirror. Optical Engineering, 2013, 52, 020501.	0.5	3
256	A Fabry-Perot sensor prototype for low-pressure measurements. Microwave and Optical Technology Letters, 2014, 56, 2981-2986.	0.9	3
257	Optical Phase Refractometer Based on Post-Processed Interferometric Tip Sensors. Journal of Lightwave Technology, 2014, 32, 3002-3007.	2.7	3
258	Multipath Interferometer Polished Microsphere for Enhanced Temperature Sensing. , 2018, 2, 1-4.		3
259	Curvature Sensor Based on a Long-Period Grating in a Fiber Ring Resonator Interrogated by an OTDR. Photonic Sensors, 2020, 10, 1-6.	2.5	3
260	Tunable optical oscillator based on a DFB-MQW laser and a fiber loop reflector. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1999, 46, 1341-1342.	1.7	2
261	Widely tunable L-band erbium doped fiber ring laser by means of induced cavity loss control. , 0, , .		2
262	Transversal load measurement based on twisted optical fibers. Review of Scientific Instruments, 2005, 76, 083113.	0.6	2
263	Linear tunable dispersion compensation device using selective stretching in chirped fiber Bragg grating. Microwave and Optical Technology Letters, 2007, 49, 720-722.	0.9	2
264	Tunable first-order differential group delay generation using a uniform fiber Bragg grating. Microwave and Optical Technology Letters, 2007, 49, 2451-2454.	0.9	2
265	Stimulated Brillouin scattering as the referencing mechanism of an optical fibre intensity sensor. Optics Communications, 2007, 271, 224-227.	1.0	2
266	Recent Advances on Optical Sensing Using Photonic Crystal Fibers. AIP Conference Proceedings, 2008, , .	0.3	2
267	Optical refractometer based on a Hi-Bi D-type fiber loop mirror. , 2008, , .		2
268	Fibre Fabry-Perot sensor for acoustic detection. Proceedings of SPIE, 2008, , .	0.8	2
269	Fibre laser sensor based on a phase-shifted chirped grating for acoustic sensing of partial discharges in power transformers. Proceedings of SPIE, 2010, , .	0.8	2
270	Intrinsic Fabry-Perot cavity sensor based on chemical etching of a multimode graded index fiber spliced to a single mode fiber. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
271	Spectral characterization of a photonic bandgap fiber for sensing applications. Applied Optics, 2010, 49, 1870.	2.1	2
272	Cladding modes FBG curvature sensor based on a core misaligned splice. Proceedings of SPIE, 2011, , .	0.8	2
273	Interrogation Sensing Scheme Based on a Figure-of-Eight Fiber Loop Mirror. IEEE Photonics Technology Letters, 2013, 25, 745-748.	1.3	2
274	Monitoring of non-homogeneous strains in wood glued joints with embedded FBG optical sensors in mode I delamination tests. Proceedings of SPIE, 2013, , .	0.8	2
275	Modulation instability-induced visibility fading in phase-sensitive OTDR. Proceedings of SPIE, 2013, , .	0.8	2
276	Chemical sensing by differential thermal analysis with a digitally controlled fiber optic interferometer. Review of Scientific Instruments, 2013, 84, 015002.	0.6	2
277	Interrogation and multiplexing system for fiber loop mirror coupled intensity sensors using OTDR. Microwave and Optical Technology Letters, 2014, 56, 2860-2864.	0.9	2
278	New silica microspheres array sensor. , 2014, , .		2
279	Detection of evaporation process of acetone with a microstructured fiber in a reflective configuration. Optical Engineering, 2014, 53, 080501.	0.5	2
280	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.	1.1	2
281	A new cavity ring-down topology for remote sensing. , 2014, , .		2
282	Simultaneous measurement of physical parameters using FBGs embedded in unidirectional and bidirectional composite materials. Smart Materials and Structures, 2016, 25, 015007.	1.8	2
283	Fabry-Perot sensor based on two coupled microspheres for strain measurement. Proceedings of SPIE, 2017, , .	0.8	2
284	Micro-Cantilever Displacement Detection Based in Optical Fiber Tip. Sensors, 2019, 19, 4826.	2.1	2
285	A Self-Referencing Intensity-Based Fabry-Perot Cavity for Curvature Measurement. , 2019, 3, 1-4.		2
286	Sputtering Deposition of TiO2 Thin Film Coatings for Fiber Optic Sensors. Photonics, 2022, 9, 342.	0.9	2
287	All-fibre wavelength conversion based on four-wave mixing in a ring erbium-doped fibre laser. Applied Physics B: Lasers and Optics, 2003, 77, 133-137.	1.1	1
288	Characterization of Bragg gratings in normal and reduced diameter HiBi fibers. , 0, , .		1

#	ARTICLE	IF	CITATIONS
289	Unchirped fiber Bragg grating for simultaneous filtering and dispersion compensation in wavelength-multiplexed systems. , 0, , .		1
290	Spectral response evaluation of fibre Bragg gratings written in tapered single mode optical fibres. , 0, , .		1
291	Short in-fibre Bragg grating structure for simultaneous measurement of strain and temperature. , 2005, , .		1
292	The Signal Characteristics of the Spectral Response of Bragg Grating Sensor Embedded in Composite Laminated after the Cure Process. Materials Science Forum, 2006, 514-516, 629-632.	0.3	1
293	Fiber optic displacement sensing monitored by an OTDR and referenced by Fresnel reflection and by fiber Bragg gratings. Microwave and Optical Technology Letters, 2007, 49, 768-770.	0.9	1
294	Brillouin fibre laser discrete sensor for simultaneous strain and temperature measurement. Applied Physics B: Lasers and Optics, 2007, 86, 555-558.	1.1	1
295	Fibre Bragg grating structure in a braid twisted configuration for sensing applications. Journal of Optics, 2008, 10, 055308.	1.5	1
296	Fibre refractometer based on a Fabry-Pérot interferometer. Proceedings of SPIE, 2008, , .	0.8	1
297	Interferometric fibre-optic sensor for acetic acid measurement. Proceedings of SPIE, 2009, , .	0.8	1
298	All fibre Mach-Zehnder interferometer based on suspended twin-core fibre for simultaneous measurement of three parameters. , 2010, , .		1
299	Dynamic interrogation of long period gratings with modulated fibre Bragg gratings. , 2010, , .		1
300	Fibre optic hot-wire flowmeter based on a metallic coated hybrid LPG-FBG structure. , 2010, , .		1
301	Splicing and Coupling Losses in Hollow-Core Photonic Crystal Glass Fibers. Solid State Phenomena, 2010, 161, 43-49.	0.3	1
302	Development and Validation of Online Monitoring Techniques for Composite Overwrapped Pressure Vessels. , 2010, , .		1
303	Temperature- and strain-independent curvature sensor based on multimode interference. Proceedings of SPIE, 2010, , .	0.8	1
304	Acoustic source location of partial discharges in transformers. , 2010, , .		1
305	New interrogation technique for multiplexing LPG-fiber loop mirrors based displacement sensors using an OTDR. , 2011, , .		1
306	Controlling the sensitivity of a non-adiabatic tapered optical fiber for measuring the refractive index using all fiber Sagnac loop interferometer. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
307	Fabry-Pérot cavities based on chemical etching for high temperature and strain sensing. , 2011, , .		1
308	Temperature-independent torsion sensor based on "figure-of-eight" fiber loop mirror. Photonic Sensors, 2013, 3, 52-56.	2.5	1
309	Characterization of a hybrid Fabry-Perot Cavity based on a four-bridge double-Y-shape-core microstructured fiber. , 2014, , .		1
310	In-line Mach-Zehnder interferometer based on a dissimilar-doping dual-core fiber for high sensitivity strain and temperature sensing. , 2014, , .		1
311	Fabry-Perot cavity hydrostatic pressure sensors. , 2014, , .		1
312	Fiber taper combined with magnetic fluid for magnetic field. Proceedings of SPIE, 2014, , .	0.8	1
313	Cavity ring-down with OTDR for remote sensing. Proceedings of SPIE, 2014, , .	0.8	1
314	Evaporation of fluids in suspended-core fibres. , 2014, , .		1
315	Remote curvature fiber sensors using core mismatch structures and OTDR based interrogation. , 2014, , .		1
316	In-fiber Michelson interferometer inclinometer. , 2015, , .		1
317	Fiber optic sensing system for temperature and gas monitoring in coal waste pile combustion environments. Proceedings of SPIE, 2015, , .	0.8	1
318	Bragg grating fabrication on tapered fiber tips based on focused ion beam milling. Proceedings of SPIE, 2015, , .	0.8	1
319	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.	0.9	1
320	Fiber Microstructure Sensors Based on Focused Ion Beam Technology. Springer Proceedings in Physics, 2016, , 3-15.	0.1	1
321	Tapered optical fiber tip probes based on focused ion beam-milled Fabry-Perot microcavities. , 2016, , .		1
322	Cavity ring-down technique for remote sensing: a proof-of-concept for displacement measurement. Proceedings of SPIE, 2016, , .	0.8	1
323	Combined microfiber knot resonator and focused ion beam-milled Mach-Zehnder interferometer for refractive index measurement. Proceedings of SPIE, 2017, , .	0.8	1
324	Refractive index sensing using a multimode interference-based fiber sensor in a cavity ring-down system. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
325	Analysis of amplification in a fiber ring resonator with a Fabry-Perot cavity. Microwave and Optical Technology Letters, 2018, 60, 2231-2236.	0.9	1
326	The Fiber Connection Method Using a Tapered Silica Fiber Tip for Microstructured Polymer Optical Fibers. Fibers, 2018, 6, 4.	1.8	1
327	Bunimovich Stadium-Like Resonator for Randomized Fiber Laser Operation. Photonics, 2018, 5, 17.	0.9	1
328	Graphene oxide as a tunable platform for microsphere-based optical fiber sensors. , 2019, , .		1
329	3D prototyping of a fiber Bragg grating vibration sensor for power transformers. , 2019, , .		1
330	Advanced optical technologies for monitoring estuaries and coastal environments. Ciencias Marinas, 2005, 31, 275-284.	0.4	1
331	Microfiber Knot Resonators as Sensors - A Review. , 2017, , .		1
332	Simultaneous measurement of temperature and refractive index based on microfiber knot resonator integrated in an abrupt taper Mach-Zehnder interferometer. , 2017, , .		1
333	Optical Fiber Probe for Viscosity Measurements. , 2018, , .		1
334	Enhanced temperature sensing with Vernier effect on fiber probe based on multimode Fabry-Perot interferometer. , 2019, , .		1
335	Brief Review on Optical Fiber Sensing for the Power Grid. U Porto Journal of Engineering, 2022, 8, 18-23.	0.2	1
336	<title>Experimental results on high-bit-rate optical synchronization of RZ soliton-type signals</title>. , 1999, 3749, 158.		0
337	<title>Optical communication groups at University of Aveiro and Institute of Telecommunications-Aveiro pole</title>. , 1999, 3572, 568.		0
338	<title>High-bit-rate optical synchronization of RZ signals using external-cavity DFB lasers</title>. , 1999, 3572, 405.		0
339	Fiber Bragg gratings for telecommunications. , 0, , .		0
340	Apodisation of uniform fibre Bragg gratings using electric arc discharges. , 0, , .		0
341	Characterization of FBGs written in HiBi IEC fibre for multiparameter sensors. , 0, , .		0
342	Fiber Bragg gratings with variable negative mean index change. , 0, , .		0

#	ARTICLE	IF	CITATIONS
343	Thermal behavior of Bragg gratings formed in germanosilicate fiber. , 2003, 5036, 187.		0
344	Ring chirped fibre Bragg grating for dynamic dispersion compensation. Optics Communications, 2004, 242, 417-423.	1.0	0
345	High-resolution absolute-distance measurements using multiple-tunable fiber Bragg gratings. , 2004, , .		0
346	PMD Emulator/Compensator Device Combine FBGs Written in Two Different Types of Optical Fibers. , 2006, , .		0
347	Development of an Optic Fibre Sensor System for Acoustic Emission Sensing in FRP. Materials Science Forum, 2006, 514-516, 794-798.	0.3	0
348	In-fibre Mach-Zehnder configuration based on fibre multimode interference structure combined with a long period grating. Proceedings of SPIE, 2007, , .	0.8	0
349	Modal interferometer based on a single non-adiabatic fibre taper. , 2007, , .		0
350	Interrogation of a fibre Fabry-Perot interferometer using a λ -shifted Bragg grating. Measurement Science and Technology, 2008, 19, 085302.	1.4	0
351	Frequency modulated continuous wave technique for referencing and multiplexing intensity based fibre optic sensors. , 2008, , .		0
352	Curvature sensor based on a fibre loop mirror using a highly birefringent photonic crystal fibre with two asymmetric hole regions. Proceedings of SPIE, 2008, , .	0.8	0
353	Recent advances in interferometry using suspended core fibres. , 2009, , .		0
354	Low-coherence interferometry for measuring polarization mode dispersion. , 2009, , .		0
355	Temperature and strain characterization of Bragg gratings impressed with femtosecond laser radiation in suspended-silica-core fibers. Proceedings of SPIE, 2009, , .	0.8	0
356	Fabry-Perot cavity sensing structure based on a suspended-core fibre. Proceedings of SPIE, 2009, , .	0.8	0
357	Strain and temperature characterization of interferometric sensors based on ARROW fibers. , 2009, , .		0
358	Temperature independent torsion sensor based on modal interferometry in ultra high-birefringent photonic crystal fiber. , 2009, , .		0
359	Sensing characteristics of hollow-core photonic crystal fibre modal interferometers. Proceedings of SPIE, 2009, , .	0.8	0
360	Optical refractometer based on high birefringence Bragg grating Fabry-Perot cavity. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
361	A Raman intensity sensor induced by the Rayleigh scattering in a ring configuration. , 2010, , .		0
362	Multiwavelength Raman fiber laser based on a highly birefringent photonic crystal fiber loop mirror. Proceedings of SPIE, 2010, , .	0.8	0
363	Fibre optic modal interferometry for sensing applications. Proceedings of SPIE, 2010, , .	0.8	0
364	Fibre optic remote sensing based on long period gratings with in situ optical source. Proceedings of SPIE, 2010, , .	0.8	0
365	Sensing characteristics of long period gratings and rocking filters based on highly birefringent boron-doped photonic crystal fiber and fabricated by a CO ₂ laser. , 2010, , .		0
366	Sagnac interferometer based on a suspended twin-core fibre. , 2010, , .		0
367	Simultaneous measurement of strain and temperature using modal interferometry in Bragg fibers. , 2010, , .		0
368	Temperature and strain independent torsion sensor using a Sagnac interferometer based on a suspended twin-core fibre. Proceedings of SPIE, 2010, , .	0.8	0
369	Characterization of nanolayer LPG refractometer according surrounding refractive index. Proceedings of SPIE, 2010, , .	0.8	0
370	Fibre loop mirror using a small core microstructured fibre for the simultaneous measurement of strain and temperature. Proceedings of SPIE, 2010, , .	0.8	0
371	All-fibre interferometric configurations based on suspended-core fibres for pressure measurement. , 2010, , .		0
372	PMD measurements based on low coherence interferometry using a Michelson interferometer. Microwave and Optical Technology Letters, 2010, 52, 2310-2312.	0.9	0
373	Suspended-core Fabry-Perot temperature sensor interrogation through a dual wavelength Raman fiber laser. , 2010, , .		0
374	Chirped Bragg grating Fabry-Perot interferometer for nanostrain measurement. Proceedings of SPIE, 2011, , .	0.8	0
375	Modal interferometric sensor based in a birefringent boron-doped microstructured fiber. , 2011, , .		0
376	Highly birefringent photonic bandgap Bragg fiber loop mirror for sensing applications. Proceedings of SPIE, 2011, , .	0.8	0
377	High-birefringent fiber loop mirror with an output port probe for sensing applications. Proceedings of SPIE, 2011, , .	0.8	0
378	Multimodal interference based on large-core air-clad photonic crystal fibres for simultaneous measurement of multiparameters. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
379	Brillouin Stokes comb generated in a distributed fiber Raman amplifier. , 2011, , .		0
380	Temperature-independent strain sensor based on four-wave mixing using Raman FBG laser sensor with cooperative Rayleigh scattering. Proceedings of SPIE, 2011, , .	0.8	0
381	Torsion sensor based on a high-birefringent Sagnac loop interferometer. Proceedings of SPIE, 2011, , .	0.8	0
382	Simultaneous measurement of strain and temperature using the FBG cladding modes based on a core misaligned splice. Proceedings of SPIE, 2011, , .	0.8	0
383	Optical fibre pressure sensors for small scale studies of groundwater flow. , 2011, , .		0
384	A simple interrogation technique for refractive index measurement using multimode interference structure. Proceedings of SPIE, 2011, , .	0.8	0
385	Optical fibre hydrogen sensors based on palladium coatings. Proceedings of SPIE, 2011, , .	0.8	0
386	Temperature-independent pressure sensor using triangular-shape of suspended-core fiber. , 2012, , .		0
387	Simultaneous measurement of partial pressure of O_2 and CO_2 using hybrid interferometer. , 2012, , .		0
388	Hydrogen pressure sensor based on a tapered-FBG written by DUV femtosecond laser technique. , 2012, , .		0
389	A novel highly birefringent fiber loop mirror sensor based on a 3 \times 3 coupler. , 2012, , .		0
390	Intensity curvature sensor based on photonic crystal fiber with three coupled cores. , 2012, , .		0
391	Strain characterization of suspended-core fiber tapers. , 2012, , .		0
392	Interferometer based on a D-shape chaotic optical fiber for measurement of multiparameters. Photonic Sensors, 2012, 2, 381-384.	2.5	0
393	Multimode interference as a tool for fiber sensing. , 2012, , .		0
394	Interrogation system based on "figure-of-eight" fiber loop mirror. , 2012, , .		0
395	DFB laser based electrical dynamic interrogation for optical fiber sensors. , 2012, , .		0
396	Brillouin effect characterization in all-Raman amplified 4 \times 40 Gb/s WDM system. Microwave and Optical Technology Letters, 2012, 54, 1403-1407.	0.9	0

#	ARTICLE	IF	CITATIONS
397	Parallel Fabry-Pérot interferometer in suspended twin-core fiber. , 2013, , .		0
398	Microcavity tip temperature sensor based on post-processing. , 2013, , .		0
399	Pressure sensor based on an all-fiber Fabry-Pérot interferometer for different gaseous environments. , 2013, , .		0
400	Figure-of-eight cavity fiber laser based torsion sensor. Proceedings of SPIE, 2013, , .	0.8	0
401	HiBi triangular optical nanowire in suspended-core fiber for sensing applications. , 2013, , .		0
402	Simplified sensor design for temperature-strain discrimination using fiber Bragg gratings embedded in laminated composites. , 2013, , .		0
403	Optical inclinometer based on phase-shifted Bragg grating in a taper configuration. Proceedings of SPIE, 2013, , .	0.8	0
404	Post-processing Fibers for Sensing Applications. , 2014, , .		0
405	Gas sensing using wavelength modulation spectroscopy. Proceedings of SPIE, 2014, , .	0.8	0
406	Multiparameter measurement using a double-Y-shaped suspended-core fiber in a fiber loop configuration. , 2014, , .		0
407	Intradiscal pressure variation under spontaneous ventilation. Proceedings of SPIE, 2014, , .	0.8	0
408	Simultaneous strain and temperature measure based on a single suspended core photonic crystal fiber. , 2014, , .		0
409	Optical fiber Fabry-Pérot sensor fabrication based on focused ion beam post-processing. , 2014, , .		0
410	Fluid evaporation monitoring with suspended-core fibers. Proceedings of SPIE, 2014, , .	0.8	0
411	Interrogation system for fiber loop mirror sensors using OTDR. Proceedings of SPIE, 2014, , .	0.8	0
412	Control of the strain sensitivity using a suspended core photonic crystal fiber sensing head. , 2014, , .		0
413	Initial studies of glued wood joints using FBG strain sensors. , 2014, , .		0
414	Fiber cavity ring-down for strain sensing using an OTDR. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
415	Centre of mass determination based on an optical weighing machine using fiber Bragg gratings. , 2015, , .		0
416	Measuring strain at extreme temperatures with a Fabry-Perot optical fiber sensor. Proceedings of SPIE, 2015, , .	0.8	0
417	Acetone evaporation monitoring using a caterpillar-like microstructured fiber. Proceedings of SPIE, 2015, , .	0.8	0
418	Curvature sensing using an added-signal in a fiber optic cavity ring-down system. Proceedings of SPIE, 2015, , .	0.8	0
419	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
420	Temperature-independent strain sensor based on a tapered Bragg fibre fabricated using a CO ₂ laser. Proceedings of SPIE, 2016, , .	0.8	0
421	Curvature sensor based on a Fabry-Perot interferometer. Proceedings of SPIE, 2016, , .	0.8	0
422	Fiber probe microcavities for refractive index and temperature discrimination. Proceedings of SPIE, 2016, , .	0.8	0
423	Analysis of signal saturation in a fiber ring resonator integrating an intensity sensor. , 2017, , .		0
424	Embedded Fabry-Perot based sensor using three-dimensional printing technology. , 2017, , .		0
425	Curvature sensitivity enhancement of fused fiber taper. , 2017, , .		0
426	Microfiber Knot Resonators for Sensing Applications. Springer Series in Optical Sciences, 2019, , 145-163.	0.5	0
427	Fiber Microsphere Coupled in a Taper for a Large Curvature Range. Fibers, 2019, 7, 87.	1.8	0
428	Optical Signal Recording from Optogenetic Stimulation of Human Pulp Dental Cells using Twin-Core Fiber Optic Biosensor Based on Mach-Zender Interferometer. , 2019, , .		0
429	Fiber Bragg grating load cell using 3D printing technique. , 2021, , .		0
430	Thermally Stimulated Desorption Optical Fiber-Based Interrogation System: An Analysis of Graphene Oxide Layers™ Stability. Photonics, 2021, 8, 70.	0.9	0
431	Temperature independent strain/load sensor using a highly birefringent photonic crystal fibre loop mirror. Proceedings of SPIE, 2007, , .	0.8	0
432	New spatial optical filters for gas refractometry. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
433	Recent Advances in Fiber Cavity Ring-down Technology. , 2017, , .		0
434	Refractive index sensor using a Fabry-Perot cavity in polymer fiber. , 2017, , .		0
435	Fabry-Perot interferometer based on array of microspheres for temperature sensing. , 2017, , .		0
436	Strain sensor based on hollow microsphere Fabry-Perot cavity. , 2017, , .		0
437	Polymer and tapered silica fiber connection for polymer fiber sensor application. , 2017, , .		0
438	Multi-path interferometer structures with cleaved silica microspheres. , 2018, , .		0
439	Environmental Sensitivity of Fabry-Perot Microcavities Induced by Layered Graphene-Dielectric Hybrid Coatings. Physical Review Applied, 2021, 16, .	1.5	0
440	Fiber-Integrated Phase Change Metasurfaces with Switchable Group Delay Dispersion (Advanced) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.6	0
441	Challenging the Limits of Interferometric Fiber Sensor Sensitivity with the Optical Harmonic Vernier Effect. , 2021, , .		0
442	MMI Sensor for Diameter Measurement. , 2021, 10, .		0
443	Cavity length dependence on strain sensitivity for Fabry-Perot sensors. Microwave and Optical Technology Letters, 0, , .	0.9	0