

Orlando Frazão

List of Publications by Year in descending order

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443
papers

8,150
citations

36303

51
h-index

71685

76
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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.	8.7	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.	2.1	183
3	Review of fiber-optic pressure sensors for biomedical and biomechanical applications. <i>Journal of Biomedical Optics</i> , 2013, 18, 050903.	2.6	176
4	Fiber Bragg grating sensing system for simultaneous measurement of salinity and temperature. <i>Optical Engineering</i> , 2004, 43, 299.	1.0	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.	4.6	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.	3.3	145
7	Optical Current Sensors for High Power Systems: A Review. <i>Applied Sciences (Switzerland)</i> , 2012, 2, 602-628.	2.5	135
8	Optical Vernier Effect: Recent Advances and Developments. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000588.	8.7	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.	4.6	123
10	Recent Advances in High-Birefringence Fiber Loop Mirror Sensors. <i>Sensors</i> , 2007, 7, 2970-2983.	3.8	121
11	Modulation instability-induced fading in phase-sensitive optical time-domain reflectometry. <i>Optics Letters</i> , 2013, 38, 872.	3.3	118
12	Ultrahigh-sensitivity temperature fiber sensor based on multimode interference. <i>Applied Optics</i> , 2012, 51, 3236.	1.8	116
13	A Review of Palladium-Based Fiber-Optic Sensors for Molecular Hydrogen Detection. <i>IEEE Sensors Journal</i> , 2012, 12, 93-102.	4.7	114
14	Optical inclinometer based on a single long-period fiber grating combined with a fused taper. <i>Optics Letters</i> , 2006, 31, 2960.	3.3	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.	4.7	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.	2.5	103
17	Applications of Fiber Optic Grating Technology to Multi-Parameter Measurement. <i>Fiber and Integrated Optics</i> , 2005, 24, 227-244.	2.5	102
18	Optical Fiber Temperature Sensors and Their Biomedical Applications. <i>Sensors</i> , 2020, 20, 2113.	3.8	102

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19	Fabry-Perot cavity based on a diaphragm-free hollow-core silica tube. <i>Optics Letters</i> , 2011, 36, 4029.	3.3	90
20	Optical Harmonic Vernier Effect: A New Tool for High Performance Interferometric Fiber Sensors. <i>Sensors</i> , 2019, 19, 5431.	3.8	90
21	Magnetic Field Sensor Based on Nonadiabatic Tapered Optical Fiber With Magnetic Fluid. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1904-1907.	2.5	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.	3.4	86
24	Modal interferometer based on hollow-core photonic crystal fiber for strain and temperature measurement. <i>Optics Express</i> , 2009, 17, 18669.	3.4	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.	4.6	81
26	Advanced fiber-optic acoustic sensors. <i>Photonic Sensors</i> , 2014, 4, 198-208.	5.0	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.	2.6	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.	2.2	74
29	All Fiber Mach-Zehnder Interferometer Based on Suspended Twin-Core Fiber. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1300-1302.	2.5	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.	3.3	74
31	Fabry-Perot refractometer based on an end-of-fiber polymer tip. <i>Optics Letters</i> , 2009, 34, 2474.	3.3	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.	3.4	71
35	Multimode interference tapered fiber refractive index sensors. <i>Applied Optics</i> , 2012, 51, 5941.	1.8	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.	2.5	69

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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.	4.3	68
38	Smart sensors/actuators for biomedical applications: Review. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1675-1688.	5.0	67
39	Temperature-Independent Curvature Sensor Using FBG Cladding Modes Based on a Core Misaligned Splice. IEEE Photonics Technology Letters, 2011, 23, 804-806.	2.5	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.	4.7	63
41	A reflective optical fiber refractometer based on multimode interference. Sensors and Actuators B: Chemical, 2012, 161, 88-92.	7.8	63
42	Optical flowmeter using a modal interferometer based on a single nonadiabatic fiber taper. Optics Letters, 2007, 32, 1974.	3.3	62
43	Optical refractometer based on a birefringent Bragg grating written in an H-shaped fiber. Optics Letters, 2009, 34, 76.	3.3	62
44	Chirped Bragg grating fabricated in fused fibre taper for strain-temperature discrimination. Measurement Science and Technology, 2005, 16, 984-988.	2.6	61
45	Fabry-Pérot Cavity Based on a Suspended-Core Fiber for Strain and Temperature Measurement. IEEE Photonics Technology Letters, 2009, 21, 1229-1231.	2.5	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.	4.6	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.	2.5	60
48	Temperature and strain-independent curvature sensor based on a singlemode/multimode fiber optic structure. Measurement Science and Technology, 2011, 22, 085201.	2.6	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.	3.8	55
51	Strain-Temperature Discrimination Using Multimode Interference in Tapered Fiber. IEEE Photonics Technology Letters, 2013, 25, 155-158.	2.5	53
52	Superimposed Bragg gratings in high-birefringence fibre optics: three-parameter simultaneous measurements. Measurement Science and Technology, 2004, 15, 1453-1457.	2.6	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.	2.5	49

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55	High birefringence D-type fibre loop mirror used as refractometer. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 108-111.	7.8	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.	4.7	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.	2.6	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.	4.6	45
61	Optical fiber refractometer based on a Fabry-Pérot interferometer. <i>Optical Engineering</i> , 2008, 47, 054403.	1.0	43
62	Optical Fiber Humidity Sensor Based on Polyvinylidene Fluoride Fabry-Pérot. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 549-552.	2.5	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.	2.1	42
64	Focused ion beam post-processing of optical fiber Fabry-Perot cavities for sensing applications. <i>Optics Express</i> , 2014, 22, 13102.	3.4	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.	2.2	39
66	Simultaneous measurement of curvature and strain using a suspended multicore fiber. <i>Optics Letters</i> , 2011, 36, 3939.	3.3	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.	10.1	39
68	Sampled fibre Bragg grating sensors for simultaneous strain and temperature measurement. <i>Electronics Letters</i> , 2002, 38, 693.	1.0	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.	1.4	36
70	Optical refractometer based on large-core air-clad photonic crystal fibers. <i>Optics Letters</i> , 2011, 36, 852.	3.3	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.	4.7	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.	4.6	36

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73	Fiber Fabry-Perot interferometer for curvature sensing. <i>Photonic Sensors</i> , 2016, 6, 339-344.	5.0	36
74	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
75	Fabry-Perot cavity based on silica tube for strain sensing at high temperatures. <i>Optics Express</i> , 2015, 23, 16063.	3.4	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.	2.5	34
77	Quasi-distributed displacement sensor for structural monitoring using a commercial OTDR. <i>Optics and Lasers in Engineering</i> , 2006, 44, 771-778.	3.8	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.	2.5	33
79	Fabry-Perot cavities based on chemical etching for high temperature and strain measurement. <i>Optics Communications</i> , 2012, 285, 1159-1162.	2.1	33
80	Temperature independent torsion sensor using a high-birefringent Sagnac loop interferometer. <i>Optics Communications</i> , 2012, 285, 1167-1170.	2.1	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.	2.5	32
82	Characterization of optical fiber long period grating refractometer with nanocoating. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 335-339.	7.8	30
83	On the improvement of strain measurements with FBG sensors embedded in unidirectional composites. <i>Polymer Testing</i> , 2013, 32, 99-105.	4.8	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.	4.6	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.	2.5	29
86	Fiber Optic-Based Refractive Index Sensing at INESC Porto. <i>Sensors</i> , 2012, 12, 8371-8389.	3.8	29
87	Refractive Index Measurement of Liquids Based on Microstructured Optical Fibers. <i>Photonics</i> , 2014, 1, 516-529.	2.0	29
88	Silica microspheres array strain sensor. <i>Optics Letters</i> , 2014, 39, 5937.	3.3	29
89	Inscription of Fiber Bragg Grating Arrays in Pure Silica Suspended Core Fibers. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1453-1455.	2.5	28
90	Hollow Microsphere Fabry-Perot Cavity for Sensing Applications. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1229-1232.	2.5	27

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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.	2.5	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.	4.4	25
95	300 km-ultralong Raman fiber lasers using a distributed mirror for sensing applications. <i>Optics Express</i> , 2011, 19, 18149.	3.4	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.	3.3	25
97	Micro-Displacement Sensor Based on a Hollow-Core Photonic Crystal Fiber. <i>Sensors</i> , 2012, 12, 17497-17503.	3.8	24
98	Next generation of Fabry-Perot sensors for high-temperature. <i>Optical Fiber Technology</i> , 2013, 19, 833-837.	2.7	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.	2.6	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, , .	4.6	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.	2.2	23
102	[INVITED] New advances in fiber cavity ring-down technology. <i>Optics and Laser Technology</i> , 2016, 78, 115-119.	4.6	23
103	Simple sensing head geometry using fibre Bragg gratings for strain-temperature discrimination. <i>Optics Communications</i> , 2007, 279, 68-71.	2.1	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, .	1.9	22
105	Suspended-core fibers for sensing applications. <i>Photonic Sensors</i> , 2012, 2, 118-126.	5.0	22
106	Temperature Compensated Strain Sensor Based on Long-Period Gratings and Microspheres. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 67-70.	2.5	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.	4.6	21

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109	Highly birefringent photonic bandgap Bragg fiber loop mirror for simultaneous measurement of strain and temperature. <i>Optics Letters</i> , 2011, 36, 993.	3.3	21
110	Intensity curvature sensor based on photonic crystal fiber with three coupled cores. <i>Optics Communications</i> , 2012, 285, 5128-5131.	2.1	21
111	Fabry-Perot cavity based on polymer FBG as refractive index sensor. <i>Optics Communications</i> , 2017, 394, 37-40.	2.1	21
112	Chirped fibre Bragg grating based multiplexer and demultiplexer for DWDM applications. <i>Optics and Lasers in Engineering</i> , 2005, 43, 987-994.	3.8	20
113	Bragg gratings in normal and reduced diameter high birefringence fibre optics. <i>Measurement Science and Technology</i> , 2006, 17, 1477-1484.	2.6	20
114	Study of strain-transfer of FBG sensors embedded in unidirectional composites. <i>Polymer Testing</i> , 2013, 32, 1006-1010.	4.8	20
115	Mach-Zehnder Based on Large Knot Fiber Resonator for Refractive Index Measurement. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 1279-1281.	2.5	20
116	Giant refractometric sensitivity by combining extreme optical Vernier effect and modal interference. <i>Scientific Reports</i> , 2020, 10, 19313.	3.3	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.	4.1	19
118	Strain and temperature characterisation of sensing head based on suspended-core fibre in Sagnac interferometer. <i>Electronics Letters</i> , 2008, 44, 1455.	1.0	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.	3.3	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.	2.5	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.	2.5	18
125	Fiber cavity ring-down using an optical time-domain reflectometer. <i>Photonic Sensors</i> , 2014, 4, 295-299.	5.0	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.	2.6	17

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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.	5.8	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.	4.6	17
129	Acoustic Optical Fiber Sensor Based on Graphene Oxide Membrane. <i>Sensors</i> , 2021, 21, 2336.	3.8	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.	2.6	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.	2.5	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.	5.0	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.	5.0	16
134	Experimental and Numerical Characterization of a Hybrid Fabry-Pérot Cavity for Temperature Sensing. <i>Sensors</i> , 2015, 15, 8042-8053.	3.8	16
135	Fiber-integrated phase-change reconfigurable optical attenuator. <i>APL Photonics</i> , 2019, 4, .	5.7	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.	1.0	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.	2.5	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.	2.6	15
140	Ultra-High Sensitive Strain Sensor Based on Post-Processed Optical Fiber Bragg Grating. <i>Fibers</i> , 2014, 2, 142-149.	4.0	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.	2.5	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.	4.6	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.	4.6	14

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145	Post-Processing of Fabry-Pérot Microcavity Tip Sensor. IEEE Photonics Technology Letters, 2013, 25, 1593-1596.	2.5	14
146	Microfiber Knot with Taper Interferometer for temperature and refractive index discrimination. IEEE Photonics Technology Letters, 2017, , 1-1.	2.5	14
147	Pressure and temperature characterization of two interferometric configurations based on suspended-core fibers. Optics Communications, 2012, 285, 269-273.	2.1	13
148	Ammonia sensing system based on wavelength modulation spectroscopy. Photonic Sensors, 2015, 5, 109-115.	5.0	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.	5.0	13
150	Giant Displacement Sensitivity Using Push-Pull Method in Interferometry. Photonics, 2021, 8, 23.	2.0	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.	1.4	12
153	Extrinsic and intrinsic fiber optic interferometric sensors for acoustic detection in high-voltage environments. Optical Engineering, 2009, 48, 024401.	1.0	12
154	Nanostrain measurement using chirped Bragg grating Fabry-Perot interferometer. Photonic Sensors, 2012, 2, 77-80.	5.0	12
155	A vibration sensor based on a distributed Bragg reflector fibre laser. Laser Physics Letters, 2013, 10, 095102.	1.4	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.	2.6	12
157	Evaporation of volatile compounds in suspended-core fibers. Optics Letters, 2014, 39, 3868.	3.3	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.	2.6	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.	7.8	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.	4.7	11
161	Monitoring the quality of frying oils using a nanolayer coated optical fiber refractometer. Talanta, 2010, 83, 291-293.	5.5	11
162	High-Birefringent Fiber Loop Mirror Sensors With an Output Port Probe. IEEE Photonics Technology Letters, 2011, 23, 103-105.	2.5	11

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163	Temperature-Independent Multi-Parameter Measurement Based on a Tapered Bragg Fiber. IEEE Photonics Technology Letters, 2016, 28, 1565-1568.	2.5	11
164	Bending sensitivity dependent on the phase shift imprinted in long-period fibre gratings. Measurement Science and Technology, 2007, 18, 3123-3130.	2.6	10
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