

Hypolito J Kalinowski

List of Publications by Year in descending order

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205
papers

1,501
citations

394286

19
h-index

414303

32
g-index

206
all docs

206
docs citations

206
times ranked

1396
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of thermo-optic coefficient in liquids with fiber Bragg grating refractometer. Optics Communications, 2008, 281, 621-625.	1.0	101
2	A fibre optic Bragg grating strain sensor for monitoring ventilatory movements. Measurement Science and Technology, 2001, 12, 805-809.	1.4	88
3	Fiber optic sensors for hydrocarbon detection. Sensors and Actuators B: Chemical, 2005, 105, 430-436.	4.0	87
4	Structural Health Monitoring of the Church of Santa Casa da Misericórdia of Aveiro Using FBG Sensors. IEEE Sensors Journal, 2008, 8, 1236-1242.	2.4	69
5	Benchmark for Peak Detection Algorithms in Fiber Bragg Grating Interrogation and a New Neural Network for its Performance Improvement. Sensors, 2011, 11, 3466-3482.	2.1	54
6	Superimposed Bragg gratings in high-birefringence fibre optics: three-parameter simultaneous measurements. Measurement Science and Technology, 2004, 15, 1453-1457.	1.4	49
7	In Vivo Pattern Classification of Ingestive Behavior in Ruminants Using FBG Sensors and Machine Learning. Sensors, 2015, 15, 28456-28471.	2.1	43
8	Stepwise fabrication of arbitrary fiber optic tapers. Optics Express, 2012, 20, 19893.	1.7	36
9	Radial-basis function network for the approximation of FBG sensor spectra with distorted peaks. Measurement Science and Technology, 2006, 17, 1039-1045.	1.4	33
10	Application of Bragg Grating Sensors in Dental Biomechanics. Journal of Strain Analysis for Engineering Design, 2006, 41, 411-416.	1.0	31
11	An in situ evaluation of the polymerization shrinkage, degree of conversion, and bond strength of resin cements used for luting fiber posts. Journal of Prosthetic Dentistry, 2016, 116, 570-576.	1.1	30
12	Determination of Temperature Dynamics and Mechanical and Stator Losses Relationships in a Three-Phase Induction Motor Using Fiber Bragg Grating Sensors. IEEE Sensors Journal, 2012, 12, 3054-3061.	2.4	27
13	Thermal characteristics analysis of an IGBT using a fiber Bragg grating. Optics and Lasers in Engineering, 2012, 50, 99-103.	2.0	27
14	Dynamic analysis and temperature measurements of concrete cantilever beam using fibre Bragg gratings. Optics and Lasers in Engineering, 2007, 45, 88-92.	2.0	26
15	Determination of setting expansion of dental materials using fibre optical sensing. Measurement Science and Technology, 2006, 17, 1152-1156.	1.4	25
16	Electron-beam production of colour centres on alkali halide crystals and films. Nuclear Instruments & Methods in Physics Research B, 1988, 32, 222-224.	0.6	24
17	Validation of thermal and electrical model for induction motors using fiber Bragg gratings. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1781-1790.	2.5	23
18	Production and characterisation of Bragg gratings written in high-birefringence fibre optics. IET Circuits, Devices and Systems, 2003, 150, 495.	0.6	21

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19	Bragg gratings in normal and reduced diameter high birefringence fibre optics. Measurement Science and Technology, 2006, 17, 1477-1484.	1.4	20
20	Measurement of composite shrinkage using a fibre optic Bragg grating sensor. Journal of Biomaterials Science, Polymer Edition, 2007, 18, 383-392.	1.9	20
21	Force Monitoring in a Maxilla Model and Dentition Using Optical Fiber Bragg Gratings. Sensors, 2012, 12, 11957-11965.	2.1	20
22	Optical Fiber Bragg Grating Strain Sensor for Bone Stress Analysis in Bovine During Masticatory Movements. IEEE Sensors Journal, 2017, 17, 2385-2392.	2.4	20
23	Alternative technique for biodiesel quality control using an optical fiber long-period grating sensor. Quimica Nova, 2007, 30, 1677-1680.	0.3	19
24	Production of optical notch filters with fine parameter control using regenerated fiber Bragg gratings. Optics Letters, 2012, 37, 1697.	1.7	19
25	Experimental and numerical study on refractive index sensors based on fibre Bragg gratings inscribed in multimode fibre. Measurement Science and Technology, 2018, 29, 025102.	1.4	18
26	Gain profile optimization for Raman+EDFA hybrid amplifiers with recycled pumps for WDM systems. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2010, 9, 100-112.	0.4	16
27	Bragg gratings in standard nonhydrogenated fibers for high-temperature sensing. Applied Optics, 2011, 50, E55.	2.1	16
28	The force magnitude of a human bite measured at the molar intercuspidation using fiber Bragg gratings. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 434-444.	0.4	16
29	Title is missing!. Nonlinear Dynamics, 2002, 27, 185-195.	2.7	15
30	Multiplexed Fiber Bragg Grating Interrogation System Using a Modulated Fiber Bragg Grating and the Tunable-Filter Method. IEEE Sensors Journal, 2006, 6, 1662-1668.	2.4	15
31	Long-term stability decay of standard and regenerated Bragg gratings tailored for high temperature operation. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2013, 12, 719-729.	0.4	15
32	Fibre Bragg grating sensing and finite element analysis of the biomechanics of the mandible. , 2005, , .		14
33	Comparison of the temperature dependence of different types of Bragg gratings. Microwave and Optical Technology Letters, 2005, 45, 305-307.	0.9	14
34	Permanent luminescent micropatterns photoinduced by low-power ultraviolet irradiation in lithium fluoride. Applied Physics Letters, 2006, 89, 241125.	1.5	13
35	Hybrid Wavelength-Time-Domain Interrogation System for Multiplexed Fiber Bragg Sensors Using a Strain-Tuned Erbium-Doped Fiber Laser. IEEE Sensors Journal, 2008, 8, 1061-1066.	2.4	13
36	A technique to package Fiber Bragg Grating Sensors for Strain and Temperature Measurements. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2013, 12, 638-646.	0.4	13

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37	Dimensions and refractive index estimates of deeply buried optical waveguides in Lithium Fluoride. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2014, 13, 47-54.	0.4	13
38	Etched FBG written in multimode fibers: sensing characteristics and applications in the liquid fuels sector. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2015, 14, 51-59.	0.4	13
39	Highly reliable strain-tuning of an Erbium-doped fiber laser for the interrogation of multiplexed Bragg grating sensors. Optics Communications, 2007, 273, 187-192.	1.0	12
40	Production and characterization of refractive index gratings in high-birefringence fibre optics. Optics and Lasers in Engineering, 2003, 39, 537-548.	2.0	11
41	FBG applied in dynamic analysis of an implanted cadaveric mandible. , 2004, , .		11
42	Optical characterization of femtosecond laser induced active channel waveguides in lithium fluoride crystals. Journal of Applied Physics, 2014, 115, .	1.1	11
43	Bending sensitivity dependent on the phase shift imprinted in long-period fibre gratings. Measurement Science and Technology, 2007, 18, 3123-3130.	1.4	10
44	Multi-pump optimization for Raman+EDFA hybrid amplifiers under pump residual recycling. , 2009, , .		10
45	Optical fibre Bragg gratings for high temperature sensing. Proceedings of SPIE, 2009, , .	0.8	9
46	Temperature sensing in a 175MW power generator. Proceedings of SPIE, 2012, , .	0.8	9
47	FBG application in the determination of setting expansion of dental materials. , 2005, , .		8
48	Spatial characterization of fiber Bragg grating structures using transversal pressure. Optics Communications, 2006, 259, 110-114.	1.0	8
49	Fiber taper rig using a simplified heat source and the flame-brush technique. , 2009, , .		8
50	Photo-induced gratings in thin color center layers on lithium fluoride. Applied Optics, 2009, 48, G38.	2.1	8
51	In Vitro and In Situ Fiber Bragg Grating Sensor Analysis of Two Dental Resin Cements. Journal of Lightwave Technology, 2015, 33, 2543-2548.	2.7	8
52	Kinetics of polymerization shrinkage of self-adhesive and conventional dual-polymerized resin luting agents inside the root canal. Journal of Prosthetic Dentistry, 2021, 125, 535-542.	1.1	8
53	Spin relaxation of iron in mixed state hemoproteins. Biophysical Journal, 1986, 49, 1195-1198.	0.2	7
54	<title>Multiplexed fiber optic Bragg grating sensors for strain and temperature measurements in power systems</title>. , 1999, 3666, 544.		7

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55	Monitoring the junction temperature of an IGBT through direct measurement using a fiber Bragg grating. Proceedings of SPIE, 2011, , .	0.8	7
56	Case Study for Monitoring the Rhythmic Masticatory Muscle Activity During Sleep Bruxism Episodes by Using Fiber Bragg Gratings. Journal of Lightwave Technology, 2019, 37, 4823-4829.	2.7	7
57	Critical Issues of Double-Metal Layer Coating on FBG for Applications at High Temperatures. Sensors, 2019, 19, 3824.	2.1	7
58	FBG-Assisted Micro-Channel for Refractive Index Measurements. IEEE Photonics Technology Letters, 2021, 33, 35-38.	1.3	7
59	Development of Bragg grating sensors at CEFET-PR. Optics and Lasers in Engineering, 2003, 39, 511-523.	2.0	6
60	Nonlinear Temperature Dependence of Etched Fiber Bragg Gratings. IEEE Sensors Journal, 2007, 7, 1358-1359.	2.4	6
61	Fiber Bragg grating applications in biomechanics. , 2008, , .		6
62	Fiber Bragg grating sensing applications in temperature monitoring of three-phase induction motors. , 2011, , .		6
63	<title>CR (III) and CR (VI) detection in water environment using an optical fiber grating sensor</title>. , 2004, , .		5
64	Design and simulation of an in-line optical gain equalizer for application in WDM systems. , 0, , .		5
65	Stress monitoring in a maxilla model and dentition. , 2011, , .		5
66	Measurement of mandibular movements in parafunctional patient using occlusal splint with Bragg gratings: pilot study. Proceedings of SPIE, 2016, , .	0.8	5
67	Case study of muscle fatigue in parafunctional patient using occlusal device with fiber Bragg grating sensors. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2018, 17, 306-318.	0.4	5
68	Vertical organic field effect transistor: onâ€œoff state definition related to ambipolar gate biasing. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	5
69	Characterization of femtosecond-inscribed fiber Bragg gratings in the visible spectral region. Applied Optics, 2017, 56, 510.	2.1	5
70	Characterization of an encapsulated long period grating transducer applied as a refractometer. , 2009, , .		4
71	Tracking aromaticity changes in heavy hydrocarbon processing by monitoring changes in electrical resistivity. Fuel, 2010, 89, 3730-3734.	3.4	4
72	Thermal monitoring of the diamond deposition process using regenerated FBG. , 2013, , .		4

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73	The magnitude of a human bite measured exactly at the molar Intercuspitation using FBG. Proceedings of SPIE, 2014, , .	0.8	4
74	Broadband Optical Active Waveguides Written by Femtosecond Laser Pulses in Lithium Fluoride. Chinese Physics Letters, 2014, 31, 014201.	1.3	4
75	Fibre Bragg Gratings, towards a Better Thermal Stability at High Temperatures. Physics Procedia, 2015, 62, 71-78.	1.2	4
76	Analysis of Strain and Temperature Induced by Acrylic Resins in Splinting Methods Used for Dental Implant Impressions. Journal of Lightwave Technology, 2016, 34, 4493-4498.	2.7	4
77	Diamond-coated fiber Bragg grating through the hot filament chemical vapor process for chemical durability improvement. Applied Optics, 2017, 56, 1603.	2.1	4
78	<title>Modeling and production of high-birefringence FOBG sensors</title>. , 2001, , .		3
79	Analysis of Bragg grating written in high-birefringence fiber optics. , 2003, 5036, 224.		3
80	Exploiting Polymer Photonic Crystal Fibre Uniqueness - A Simple High Resolution Pressure Sensor. , 2007, , .		3
81	Structural health monitoring of the church of Santa Casa da Misericordia of Aveiro using FBG sensors. Proceedings of SPIE, 2007, , .	0.8	3
82	Fiber bragg grating temperature sensors used to measure flow in a pipeline. , 2007, , .		3
83	Static and dynamic measurements in small induction motors using a fiber Bragg grating interrogation unit. , 2009, , .		3
84	Determination of chewing patterns in goats using fiber Bragg gratings. Proceedings of SPIE, 2012, , .	0.8	3
85	Regeneration of Bragg gratings in polarization maintaining optical fibers. , 2013, , .		3
86	Hardware embedded fiber sensor interrogation system using intensive digital signal processing. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2014, 13, 139-155.	0.4	3
87	Thermal characterization of Bragg gratings in polarization-maintaining optical fibres: analysis of birefringence and regeneration. Measurement Science and Technology, 2017, 28, 045206.	1.4	3
88	Dentistry Applications of Fiber Bragg Gratings: Irradiation Protocols for Bulk Fill Flow Dental Composites. Journal of Lightwave Technology, 2019, 37, 4881-4887.	2.7	3
89	Refractive index sensitivity in etched FBG in the visible range. , 2017, , .		3
90	The F Center Emission in KCN. Journal of the Physical Society of Japan, 1976, 41, 1805-1806.	0.7	2

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91	Temperature effects in concrete structures measured with fibre Bragg grating. , 2004, , .		2
92	Simultaneous temperature and strain measurement based on arc-induced long-period fiber gratings. , 2005, , .		2
93	Two-channel CWDM OADM Based on Large Bandwidth Fibre Bragg Gratings. , 2006, , .		2
94	Thermal characterization of etched FBG for applications in oil and gas sector. , 2007, , .		2
95	Permanent bleaching of F2 color centers in lithium fluoride under UV light illumination. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1139-1142.	0.8	2
96	Strongly regenerated Bragg gratings in standard single-mode fibres. , 2010, , .		2
97	Performance evaluation of an IGBT module by thermal analysis using fiber Bragg grating. Proceedings of SPIE, 2010, , .	0.8	2
98	Regenerated Bragg gratings in high birefringence optical fibers. , 2010, , .		2
99	Analysis of a multi-pump optimization in Raman+EDFA hybrid amplifiers with pump recycling for WDM systems. , 2010, , .		2
100	FBG refractometry and electrical impedance analysis in fuel samples characterization. , 2011, , .		2
101	Evaluation of the efficacy and influence of the decontamination and sterilization of FBGs exposed to S. aureus and E. coli. , 2011, , .		2
102	Multiplexed FBG Optical Instrumentation Using an FPGA-Based System. , 2012, , .		2
103	Thermal behavior of a high power generator exciter bridge measured by optical fiber sensors. Proceedings of SPIE, 2013, , .	0.8	2
104	Regeneration of FBGs during the HFCVD diamond-fiber coating process. , 2014, , .		2
105	Simultaneous regeneration of seed FBGs during the HFCVD diamond-grating coating process and its thermal monitoring. Proceedings of SPIE, 2015, , .	0.8	2
106	Performance comparison for Raman+EDFA and EDFA+Raman hybrid amplifiers using recycled multiple pump lasers for WDM systems. , 2015, , .		2
107	Water assessment using ultra-weak bioluminescence. Journal of Photochemistry and Photobiology B: Biology, 2017, 177, 39-43.	1.7	2
108	Characterization of the occlusal splints using optical fiber sensors. , 2017, , .		2

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109	Manufacture of Tapered Fibers and FBG Writing. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2018, 17, 638-645.	0.4	2
110	An Open-Source Simulator Applied to Prism Coupling Sensors Based on Kretschmann's Configuration. , 2019, 3, 1-4.		2
111	Bulk Fill flow resin contraction using 3D finite element model and calibration by Fiber Bragg Grating measurement. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 1127-1137.	0.9	2
112	Measurement of orthodontic forces using polymer PCF. , 2007, , .		2
113	Fibre Bragg gratings in the visible: towards low-cost detection. , 2018, , .		2
114	<title>Optical thermometer using a short bend of single-mode fiber</title>. , 1993, , .		1
115	<title>Design of optical fiber devices by numerical simulation</title>. , 1998, , .		1
116	<title>Fiber ring laser optimization as an optical source for WDM transmission systems</title>. , 1998, , .		1
117	<title>Quasi-distributed optical fiber sensor for strain measurement along power conductors</title>. , 1999, 3572, 134.		1
118	Analysis of Longitudinal Mode Suppression in a Fiber Ring Laser Containing Two Optical Filters. Fiber and Integrated Optics, 2000, 19, 57-65.	1.7	1
119	Precise characterization of fiber Bragg gratings for photonic communications systems. , 2003, , .		1
120	Measurement of Raman gain coefficient in standard single-mode optical fibers for DWDM photonic simulation purposes. , 2003, , .		1
121	Radial-basis function network for the approximation of quasi-distributed FBG sensor spectra with distorted peaks. , 2005, , .		1
122	Production and characterization of broad fibre Bragg gratings for photonic devices. , 2005, , .		1
123	Bend and Temperature Sensing with Arc-Induced Phase-Shifted Long-Period Fiber Grating. , 2006, , TuE43.		1
124	Orthodontic forces sensing with polymer PCF. Proceedings of SPIE, 2007, , .	0.8	1
125	Hybrid wavelength-time domain interrogation system for multiplexed fiber Bragg sensors using a strain-tuned erbium-doped fiber laser. , 2007, , .		1
126	Measurement of orthodontic forces using polymer PCF. , 2007, , .		1

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127	Visible photoluminescence in coloured Lithium Fluoride under ultra-violet continuous wave excitation. Journal of Physics: Conference Series, 2010, 249, 012002.	0.3	1
128	Benchmark for standard and computationally intelligent peak detection algorithms for fiber Bragg grating sensors. , 2011, , .		1
129	Periodic photonic structures in lithium fluoride. Proceedings of SPIE, 2011, , .	0.8	1
130	Optimization in Raman+EDFA hybrid amplifiers for WDM systems. , 2012, , .		1
131	Strain monitoring of the periodontal ligament in pig's mandibles. , 2012, , .		1
132	Validation of an induction motor thermal model by using fiber Bragg grating temperature sensors. , 2012, , .		1
133	Measurements of the birefringence temperature dependence in polarization maintaining fibre optics using Bragg gratings. , 2013, , .		1
134	Asymmetric fiber tapers fabricated with a pulsed CO2laser. , 2013, , .		1
135	Ex vivodetermination of chewing patterns using FBG and artificial neural networks. , 2014, , .		1
136	Evaluation of shrinkage polymerization and temperature of different acrylic resins used to splinting transfer copings in indirect impression technique. Proceedings of SPIE, 2015, , .	0.8	1
137	Partial regeneration of Aluminum coated FBG along 450 days. Proceedings of SPIE, 2015, , .	0.8	1
138	Orthodontic mechanics using mini-implant measured by FBG. Proceedings of SPIE, 2015, , .	0.8	1
139	The force magnitude of a human bite precisely measured at the molar intercuspitation using FBG: part II. Proceedings of SPIE, 2015, , .	0.8	1
140	In-vivo determination of chewing patterns using FBG and artificial neural networks. Proceedings of SPIE, 2015, , .	0.8	1
141	Refractive index sensitivity of fiber Bragg grating inscribed in a multimode fiber. , 2015, , .		1
142	Design and implementation of a measurement system for ultra-weak bioluminescence detection from E. coli cultures applied to sanitary control. , 2016, , .		1
143	Visible wavelength fiber Bragg gratings: thermal and strain sensitivities. , 2016, , .		1
144	Properties of bulk dental composites using fiber Bragg grating sensors. , 2017, , .		1

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145	Automated System for Femtosecond Laser Writing of Photonic Structures. Journal of Control, Automation and Electrical Systems, 2018, 29, 153-162.	1.2	1
146	Interocclusal Device Instrumented by Fiber Bragg Gratings: Case Study of Bruxism Treatment With Botulinum Toxin. IEEE Sensors Journal, 2021, 21, 6179-6187.	2.4	1
147	Dental resins properties studied by Bragg gratings. , 2017, , .		1
148	Characterization of encapsulated temperature sensors based on Bragg gratings. , 2018, , .		1
149	Fiber Bragg Gratings in Visible Spectrum Range With Different Writing Times Followed by Regeneration Heating. , 2019, , .		1
150	FBG Sensors for In vivo Muscular Fatigue Analyses. , 2019, , .		1
151	N_2 and $(CN)_2$ spin-lattice relaxation in KCN crystals. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 3709.	1.0	0
152	ENDOR of F centers in potassium cyanide. Journal of Magnetic Resonance, 1988, 77, 562-565.	0.5	0
153	Fiber Optic Sensors At The Universidade Federal Fluminense(Brasil). Proceedings of SPIE, 1990, , .	0.8	0
154	Electronic-digital detection system for an optical fiber current sensor. , 1991, , .		0
155	Educational fiber optic transmission equipment with dedicated BER features. , 1992, , .		0
156	<title>Modeling of optical fiber sensors by beam propagation</title>. , 1994, , .		0
157	Multidisciplinary approach in the teaching of optical technologies for electronic engineers. , 1997, , .		0
158	<title>Polarization couplers in fibers with different core shapes</title>. , 2001, , .		0
159	<title>Development of Bragg grating sensors at CEFET-PR and University of Aveiro</title>. , 2001, , .		0
160	<title>High-gain EDFA using ASE suppression: numerical simulation and experimental characterization</title>. , 2001, 4419, 90.		0
161	Simulation and evaluation of frequency coupling coefficients in the nonlinear dispersive regime of single-mode fibers. , 2003, , .		0
162	<title>Tunable optical source for the interrogation of Bragg gratings via spectral scanning</title>. , 2004, , .		0

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163	<title>Optical fiber sensor for gasoline blend quality control</title> . , 2004, 5622, 194.		0
164	Abnormal growth mechanism of fiber Bragg gratings in high-Germanium-doped fibers. , 2005, , .		0
165	Experimental and simulation analysis of unbalanced mach-zehnder fiber bragg grating OADM. , 0, , .		0
166	Internal temperature measurements of a concrete cantilever beam using high temperature stable fibre Bragg gratings. , 2006, , .		0
167	Interrogation of multiplexed FBG sensors with a strain tuned EDF laser using a high-strength grating. , 2007, , .		0
168	Temperature influence of an air conditioner in refractive index measurements using long-period fiber gratings. Proceedings of SPIE, 2007, , .	0.8	0
169	Characterization of an EDF fiber laser strain-tuned by two high- strength fiber bragg gratings. , 2007, , .		0
170	Colour Centre Bragg Grating Recording in Lithium Fluoride Thin Layers. AIP Conference Proceedings, 2008, , .	0.3	0
171	Trial analysis of swine's periodontal ligament with Bragg grating sensors. , 2009, , .		0
172	Fibre optic grating sensors for biofuels. Proceedings of SPIE, 2010, , .	0.8	0
173	FBG interrogation and the benchmark for algorithms in the processing of experimental data. , 2011, , .		0
174	Fiber taper sensors fabrication with arbitrary profiles using a modified flame-brush approach. Proceedings of SPIE, 2012, , .	0.8	0
175	Optical Notch Filters with Precise Production Control using Regenerated Fiber Bragg Gratings. , 2012, , .		0
176	Estimate of Refractive Index Changes of Optical Waveguides Recorded by Femtosecond Laser in LiF Crystal. , 2012, , .		0
177	Accuracy improvement in embedded fiber Bragg grating interrogation systems. , 2013, , .		0
178	Gain flattening analysis for Raman+EDFA hybrid amplifiers using recycled pump power for WDM systems. Proceedings of SPIE, 2013, , .	0.8	0
179	Manufacturing of microchannels in soda-lime glass by femtosecond laser and chemical etching. , 2013, , .		0
180	On the regeneration of high-birefringence fibre Bragg gratings. , 2014, , .		0

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181	Microstructure-FBG hybrid load cell. Proceedings of SPIE, 2014, , .	0.8	0
182	Study of deformation of resin cements used in fixing of root posts through fiber Bragg grating sensors. , 2014, , .		0
183	Performance analysis of multi-pump Raman+EDFA hybrid amplifiers for WDM systems. , 2014, , .		0
184	Advanced characterization of color centers lightemitting waveguides induced in lithium fluoride crystals by femtosecond laser. , 2014, , .		0
185	Evaluation of polymerization shrinkage of resin cements through in vitro and in situ experiments. , 2014, , .		0
186	In vivo analysis of bone strain using fiber Bragg grating sensor and decision tree algorithm in bovine during masticatory movements. , 2015, , .		0
187	Femtosecond laser micromachining of Fabry-Perot cavity in fibre Bragg grating. Proceedings of SPIE, 2015, , .	0.8	0
188	Cantilevers orthodontics forces measured by fiber sensors. Proceedings of SPIE, 2015, , .	0.8	0
189	Fiber Bragg Gratings in the Visible Region of the Spectrum: Writing and Regeneration. , 2016, , .		0
190	Guest Editorial on the Special Issue for Optical Fibre Sensors. Journal of Lightwave Technology, 2016, 34, 4419-4420.	2.7	0
191	Temperature and refractive index measurements by using a microcavity engraved with femtosecond laser in multimode fiber. , 2017, , .		0
192	Regeneration characteristics of FBG written for the visible spectral range. Proceedings of SPIE, 2017, , .	0.8	0
193	Effects of Birefringence on the Electromagnetic Guidance of Structures Produced by Femtosecond Laser. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2018, 17, 217-228.	0.4	0
194	Analysis of temperature in an air-cooled combustion motorcycle engine using fiber Bragg grating sensors. , 2021, , .		0
195	Simplified slab waveguide three-level model for short length EDFA pumped at 1.48 μm . Brazilian Journal of Physics, 2003, 33, 104-108.	0.7	0
196	Exploiting Polymer Photonic Crystal Fibre Uniqueness - A Simple High Resolution Pressure Sensor. , 2007, , .		0
197	Automated photosensitivity enhancement in optical fiber tapers. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2011, 10, 24-32.	0.4	0
198	Monitoring Deformation of Resin Cements During Polymerization. , 2012, , .		0

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199	Forces of Orthodontic Closed Coil Springs Measured using Fiber Bragg Gratings. , 2012, , .		0
200	Oscillatory growth-erasure process of FBC recording. , 2012, , .		0
201	Quasi-Distributed Temperature Measurement for Hydroelectric Generators Bearings via use of Fiber Bragg Gratings. , 2014, , .		0
202	Evaluation of Forces Generated by Cantilevers During Verticalization of Molar Using Fiber Sensors. , 2015, , .		0
203	Thermal sensitivity increase of RFBC in the visible range. , 2017, , .		0
204	Dentistry applications of fibre Bragg gratings: irradiation protocols for bulk fill flow dental composites. , 2018, , .		0
205	Fiber Bragg Grating Thermometry Applied to Flow Measurements “ Laminar and Turbulent Regimes. , 2021, , .		0