

Hypolito J Kalinowski

List of Publications by Year in descending order

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205
papers

1,501
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394286

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h-index

414303

32
g-index

206
all docs

206
docs citations

206
times ranked

1396
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Kinetics of polymerization shrinkage of self-adhesive and conventional dual-polymerized resin luting agents inside the root canal. <i>Journal of Prosthetic Dentistry</i> , 2021, 125, 535-542. | 1.1 | 8 |
| 2 | FBG-Assisted Micro-Channel for Refractive Index Measurements. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 35-38. | 1.3 | 7 |
| 3 | Interocclusal Device Instrumented by Fiber Bragg Gratings: Case Study of Bruxism Treatment With Botulinum Toxin. <i>IEEE Sensors Journal</i> , 2021, 21, 6179-6187. | 2.4 | 1 |
| 4 | Analysis of temperature in an air-cooled combustion motorcycle engine using fiber Bragg grating sensors. , 2021, , . | | 0 |
| 5 | Fiber Bragg Grating Thermometry Applied to Flow Measurements “ Laminar and Turbulent Regimes. , 2021, , . | | 0 |
| 6 | Bulk Fill flow resin contraction using 3D finite element model and calibration by Fiber Bragg Grating measurement. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 1127-1137. | 0.9 | 2 |
| 7 | Case Study for Monitoring the Rhythmic Masticatory Muscle Activity During Sleep Bruxism Episodes by Using Fiber Bragg Gratings. <i>Journal of Lightwave Technology</i> , 2019, 37, 4823-4829. | 2.7 | 7 |
| 8 | Critical Issues of Double-Metal Layer Coating on FBG for Applications at High Temperatures. <i>Sensors</i> , 2019, 19, 3824. | 2.1 | 7 |
| 9 | Dentistry Applications of Fiber Bragg Gratings: Irradiation Protocols for Bulk Fill Flow Dental Composites. <i>Journal of Lightwave Technology</i> , 2019, 37, 4881-4887. | 2.7 | 3 |
| 10 | An Open-Source Simulator Applied to Prism Coupling Sensors Based on Kretschmann's Configuration. , 2019, 3, 1-4. | | 2 |
| 11 | Fiber Bragg Gratings in Visible Spectrum Range With Different Writing Times Followed by Regeneration Heating. , 2019, , . | | 1 |
| 12 | FBG Sensors for In vivo Muscular Fatigue Analyses. , 2019, , . | | 1 |
| 13 | Automated System for Femtosecond Laser Writing of Photonic Structures. <i>Journal of Control, Automation and Electrical Systems</i> , 2018, 29, 153-162. | 1.2 | 1 |
| 14 | Experimental and numerical study on refractive index sensors based on fibre Bragg gratings inscribed in multimode fibre. <i>Measurement Science and Technology</i> , 2018, 29, 025102. | 1.4 | 18 |
| 15 | Manufacture of Tapered Fibers and FBG Writing. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2018, 17, 638-645. | 0.4 | 2 |
| 16 | Effects of Birefringence on the Electromagnetic Guidance of Structures Produced by Femtosecond Laser. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2018, 17, 217-228. | 0.4 | 0 |
| 17 | Case study of muscle fatigue in parafunctional patient using occlusal device with fiber Bragg grating sensors. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2018, 17, 306-318. | 0.4 | 5 |
| 18 | Vertical organic field effect transistor: on“off state definition related to ambipolar gate biasing. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 5 |

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| 19 | Dentistry applications of fibre Bragg gratings: irradiation protocols for bulk fill flow dental composites. , 2018, , . | | 0 |
| 20 | Characterization of encapsulated temperature sensors based on Bragg gratings. , 2018, , . | | 1 |
| 21 | Fibre Bragg gratings in the visible: towards low-cost detection. , 2018, , . | | 2 |
| 22 | 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 |
| 23 | 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 |
| 24 | Temperature and refractive index measurements by using a microcavity engraved with femtosecond laser in multimode fiber. , 2017, , . | | 0 |
| 25 | Water assessment using ultra-weak bioluminescence. Journal of Photochemistry and Photobiology B: Biology, 2017, 177, 39-43. | 1.7 | 2 |
| 26 | Characterization of the occlusal splints using optical fiber sensors. , 2017, , . | | 2 |
| 27 | Regeneration characteristics of FBG written for the visible spectral range. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 28 | Properties of bulk dental composites using fiber Bragg grating sensors. , 2017, , . | | 1 |
| 29 | 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 |
| 30 | Diamond-coated fiber Bragg grating through the hot filament chemical vapor process for chemical durability improvement. Applied Optics, 2017, 56, 1603. | 2.1 | 4 |
| 31 | Characterization of femtosecond-inscribed fiber Bragg gratings in the visible spectral region. Applied Optics, 2017, 56, 510. | 2.1 | 5 |
| 32 | Refractive index sensitivity in etched FBG in the visible range. , 2017, , . | | 3 |
| 33 | Thermal sensitivity increase of RFBG in the visible range. , 2017, , . | | 0 |
| 34 | Dental resins properties studied by Bragg gratings. , 2017, , . | | 1 |
| 35 | Fiber Bragg Gratings in the Visible Region of the Spectrum: Writing and Regeneration. , 2016, , . | | 0 |
| 36 | Design and implementation of a measurement system for ultra-weak bioluminescence detection from E. coli cultures applied to sanitary control. , 2016, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
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| 37 | 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 |
| 38 | 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 |
| 39 | Measurement of mandibular movements in parafunctional patient using occlusal splint with Bragg gratings: pilot study. Proceedings of SPIE, 2016, , . | 0.8 | 5 |
| 40 | Visible wavelength fiber Bragg gratings: thermal and strain sensitivities. , 2016, , . | | 1 |
| 41 | Guest Editorial on the Special Issue for Optical Fibre Sensors. Journal of Lightwave Technology, 2016, 34, 4419-4420. | 2.7 | 0 |
| 42 | In Vivo Pattern Classification of Ingestive Behavior in Ruminants Using FBG Sensors and Machine Learning. Sensors, 2015, 15, 28456-28471. | 2.1 | 43 |
| 43 | 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 |
| 44 | In vivo analysis of bone strain using fiber Bragg grating sensor and decision tree algorithm in bovine during masticatory movements. , 2015, , . | | 0 |
| 45 | Partial regeneration of Aluminum coated FBG along 450 days. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 46 | Femtosecond laser micromachining of Fabry-Perot cavity in fibre Bragg grating. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 47 | Simultaneous regeneration of seed FBGs during the HFCVD diamond-grating coating process and its thermal monitoring. Proceedings of SPIE, 2015, , . | 0.8 | 2 |
| 48 | Orthodontic mechanics using mini-implant measured by FBG. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 49 | The force magnitude of a human bite precisely measured at the molar intercuspitation using FBG: part II. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 50 | In-vivo determination of chewing patterns using FBG and artificial neural networks. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 51 | Cantilevers orthodontics forces measured by fiber sensors. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 52 | Performance comparison for Raman+EDFA and EDFA+Raman hybrid amplifiers using recycled multiple pump lasers for WDM systems. , 2015, , . | | 2 |
| 53 | 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 |
| 54 | Refractive index sensitivity of fiber Bragg grating inscribed in a multimode fiber. , 2015, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
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| 55 | Fibre Bragg Gratings, towards a Better Thermal Stability at High Temperatures. Physics Procedia, 2015, 62, 71-78. | 1.2 | 4 |
| 56 | 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 |
| 57 | Evaluation of Forces Generated by Cantilevers During Verticalization of Molar Using Fiber Sensors. , 2015, , . | | 0 |
| 58 | 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 |
| 59 | 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 |
| 60 | On the regeneration of high-birefringence fibre Bragg gratings. , 2014, , . | | 0 |
| 61 | Microstructure-FBG hybrid load cell. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 62 | The magnitude of a human bite measured exactly at the molar Intercuspitation using FBG. Proceedings of SPIE, 2014, , . | 0.8 | 4 |
| 63 | Study of deformation of resin cements used in fixing of root posts through fiber Bragg grating sensors. , 2014, , . | | 0 |
| 64 | Performance analysis of multi-pump Raman+EDFA hybrid amplifiers for WDM systems. , 2014, , . | | 0 |
| 65 | Broadband Optical Active Waveguides Written by Femtosecond Laser Pulses in Lithium Fluoride. Chinese Physics Letters, 2014, 31, 014201. | 1.3 | 4 |
| 66 | Ex vivodetermination of chewing patterns using FBG and artificial neural networks. , 2014, , . | | 1 |
| 67 | Optical characterization of femtosecond laser induced active channel waveguides in lithium fluoride crystals. Journal of Applied Physics, 2014, 115, . | 1.1 | 11 |
| 68 | Advanced characterization of color centers lightemitting waveguides induced in lithium fluoride crystals by femtosecond laser. , 2014, , . | | 0 |
| 69 | Evaluation of polymerization shrinkage of resin cements through in vitro and in situ experiments. , 2014, , . | | 0 |
| 70 | Regeneration of FBGs during the HFCVD diamond-fiber coating process. , 2014, , . | | 2 |
| 71 | Quasi-Distributed Temperature Measurement for Hydroelectric Generators Bearings via use of Fiber Bragg Gratings. , 2014, , . | | 0 |
| 72 | Accuracy improvement in embedded fiber Bragg grating interrogation systems. , 2013, , . | | 0 |

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| 73 | 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 |
| 74 | Thermal monitoring of the diamond deposition process using regenerated FBG. , 2013, , . | | 4 |
| 75 | Measurements of the birefringence temperature dependence in polarization maintaining fibre optics using Bragg gratings. , 2013, , . | | 1 |
| 76 | Gain flattening analysis for Raman+EDFA hybrid amplifiers using recycled pump power for WDM systems. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 77 | Asymmetric fiber tapers fabricated with a pulsed CO2laser. , 2013, , . | | 1 |
| 78 | Regeneration of Bragg gratings in polarization maintaining optical fibers. , 2013, , . | | 3 |
| 79 | Manufacturing of microchannels in soda-lime glass by femtosecond laser and chemical etching. , 2013, , . | | 0 |
| 80 | Thermal behavior of a high power generator exciter bridge measured by optical fiber sensors. Proceedings of SPIE, 2013, , . | 0.8 | 2 |
| 81 | 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 |
| 82 | 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 |
| 83 | Determination of chewing patterns in goats using fiber Bragg gratings. Proceedings of SPIE, 2012, , . | 0.8 | 3 |
| 84 | Force Monitoring in a Maxilla Model and Dentition Using Optical Fiber Bragg Gratings. Sensors, 2012, 12, 11957-11965. | 2.1 | 20 |
| 85 | Optimization in Raman+EDFA hybrid amplifiers for WDM systems. , 2012, , . | | 1 |
| 86 | Strain monitoring of the periodontal ligament in pig's mandibles. , 2012, , . | | 1 |
| 87 | Production of optical notch filters with fine parameter control using regenerated fiber Bragg gratings. Optics Letters, 2012, 37, 1697. | 1.7 | 19 |
| 88 | Stepwise fabrication of arbitrary fiber optic tapers. Optics Express, 2012, 20, 19893. | 1.7 | 36 |
| 89 | Validation of an induction motor thermal model by using fiber Bragg grating temperature sensors. , 2012, , . | | 1 |
| 90 | Temperature sensing in a 175MW power generator. Proceedings of SPIE, 2012, , . | 0.8 | 9 |

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| 91 | Fiber taper sensors fabrication with arbitrary profiles using a modified flame-brush approach. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 92 | Optical Notch Filters with Precise Production Control using Regenerated Fiber Bragg Gratings. , 2012, , . | | 0 |
| 93 | 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 |
| 94 | Estimate of Refractive Index Changes of Optical Waveguides Recorded by Femtosecond Laser in LiF Crystal. , 2012, , . | | 0 |
| 95 | Multiplexed FBG Optical Instrumentation Using an FPGA-Based System. , 2012, , . | | 2 |
| 96 | Thermal characteristics analysis of an IGBT using a fiber Bragg grating. Optics and Lasers in Engineering, 2012, 50, 99-103. | 2.0 | 27 |
| 97 | Monitoring Deformation of Resin Cements During Polymerization. , 2012, , . | | 0 |
| 98 | Forces of Orthodontic Closed Coil Springs Measured using Fiber Bragg Gratings. , 2012, , . | | 0 |
| 99 | Oscillatory growth-erasure process of FBG recording. , 2012, , . | | 0 |
| 100 | FBG refractometry and electrical impedance analysis in fuel samples characterization. , 2011, , . | | 2 |
| 101 | Fiber Bragg grating sensing applications in temperature monitoring of three-phase induction motors. , 2011, , . | | 6 |
| 102 | FBG interrogation and the benchmark for algorithms in the processing of experimental data. , 2011, , . | | 0 |
| 103 | Benchmark for standard and computationally intelligent peak detection algorithms for fiber Bragg grating sensors. , 2011, , . | | 1 |
| 104 | Bragg gratings in standard nonhydrogenated fibers for high-temperature sensing. Applied Optics, 2011, 50, E55. | 2.1 | 16 |
| 105 | Monitoring the junction temperature of an IGBT through direct measurement using a fiber Bragg grating. Proceedings of SPIE, 2011, , . | 0.8 | 7 |
| 106 | Evaluation of the efficacy and influence of the decontamination and sterilization of FBGs exposed to S. aureus and E. coli. , 2011, , . | | 2 |
| 107 | Stress monitoring in a maxilla model and dentition. , 2011, , . | | 5 |
| 108 | Periodic photonic structures in lithium fluoride. Proceedings of SPIE, 2011, , . | 0.8 | 1 |

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| 109 | Benchmark for Peak Detection Algorithms in Fiber Bragg Grating Interrogation and a New Neural Network for its Performance Improvement. <i>Sensors</i> , 2011, 11, 3466-3482. | 2.1 | 54 |
| 110 | Automated photosensitivity enhancement in optical fiber tapers. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2011, 10, 24-32. | 0.4 | 0 |
| 111 | Strongly regenerated Bragg gratings in standard single-mode fibres. , 2010, , . | | 2 |
| 112 | Visible photoluminescence in coloured Lithium Fluoride under ultra-violet continuous wave excitation. <i>Journal of Physics: Conference Series</i> , 2010, 249, 012002. | 0.3 | 1 |
| 113 | Performance evaluation of an IGBT module by thermal analysis using fiber Bragg grating. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 2 |
| 114 | Tracking aromaticity changes in heavy hydrocarbon processing by monitoring changes in electrical resistivity. <i>Fuel</i> , 2010, 89, 3730-3734. | 3.4 | 4 |
| 115 | Gain profile optimization for Raman+EDFA hybrid amplifiers with recycled pumps for WDM systems. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2010, 9, 100-112. | 0.4 | 16 |
| 116 | Regenerated Bragg gratings in high birefringence optical fibers. , 2010, , . | | 2 |
| 117 | Analysis of a multi-pump optimization in Raman+EDFA hybrid amplifiers with pump recycling for WDM systems. , 2010, , . | | 2 |
| 118 | Fibre optic grating sensors for biofuels. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 0 |
| 119 | Characterization of an encapsulated long period grating transducer applied as a refractometer. , 2009, , . | | 4 |
| 120 | Fiber taper rig using a simplified heat source and the flame-brush technique. , 2009, , . | | 8 |
| 121 | Photo-induced gratings in thin color center layers on lithium fluoride. <i>Applied Optics</i> , 2009, 48, C38. | 2.1 | 8 |
| 122 | Multi-pump optimization for Raman+EDFA hybrid amplifiers under pump residual recycling. , 2009, , . | | 10 |
| 123 | Static and dynamic measurements in small induction motors using a fiber Bragg grating interrogation unit. , 2009, , . | | 3 |
| 124 | Optical fibre Bragg gratings for high temperature sensing. <i>Proceedings of SPIE</i> , 2009, , . | 0.8 | 9 |
| 125 | Trial analysis of swine's periodontal ligament with Bragg grating sensors. , 2009, , . | | 0 |
| 126 | Determination of thermo-optic coefficient in liquids with fiber Bragg grating refractometer. <i>Optics Communications</i> , 2008, 281, 621-625. | 1.0 | 101 |

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| 127 | 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 |
| 128 | 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 |
| 129 | Colour Centre Bragg Grating Recording in Lithium Fluoride Thin Layers. AIP Conference Proceedings, 2008, , . | 0.3 | 0 |
| 130 | Fiber Bragg grating applications in biomechanics. , 2008, , . | | 6 |
| 131 | Bending sensitivity dependent on the phase shift imprinted in long-period fibre gratings. Measurement Science and Technology, 2007, 18, 3123-3130. | 1.4 | 10 |
| 132 | Exploiting Polymer Photonic Crystal Fibre Uniqueness - A Simple High Resolution Pressure Sensor. , 2007, , . | | 3 |
| 133 | Orthodontic forces sensing with polymer PCF. Proceedings of SPIE, 2007, , . | 0.8 | 1 |
| 134 | Interrogation of multiplexed FBG sensors with a strain tuned EDF laser using a high-strength grating. , 2007, , . | | 0 |
| 135 | Hybrid wavelength-time domain interrogation system for multiplexed fiber Bragg sensors using a strain-tuned erbium-doped fiber laser. , 2007, , . | | 1 |
| 136 | Structural health monitoring of the church of Santa Casa da Misericórdia of Aveiro using FBG sensors. Proceedings of SPIE, 2007, , . | 0.8 | 3 |
| 137 | Temperature influence of an air conditioner in refractive index measurements using long-period fiber gratings. Proceedings of SPIE, 2007, , . | 0.8 | 0 |
| 138 | Thermal characterization of etched FBG for applications in oil and gas sector. , 2007, , . | | 2 |
| 139 | Nonlinear Temperature Dependence of Etched Fiber Bragg Gratings. IEEE Sensors Journal, 2007, 7, 1358-1359. | 2.4 | 6 |
| 140 | Measurement of orthodontic forces using polymer PCF. , 2007, , . | | 1 |
| 141 | Characterization of an EDF fiber laser strain-tuned by two high-strength fiber bragg gratings. , 2007, , . | | 0 |
| 142 | Measurement of composite shrinkage using a fibre optic Bragg grating sensor. Journal of Biomaterials Science, Polymer Edition, 2007, 18, 383-392. | 1.9 | 20 |
| 143 | Fiber bragg grating temperature sensors used to measure flow in a pipeline. , 2007, , . | | 3 |
| 144 | Alternative technique for biodiesel quality control using an optical fiber long-period grating sensor. Quimica Nova, 2007, 30, 1677-1680. | 0.3 | 19 |

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| 145 | 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 |
| 146 | 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 |
| 147 | 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 |
| 148 | Exploiting Polymer Photonic Crystal Fibre Uniqueness - A Simple High Resolution Pressure Sensor. , 2007, , . | | 0 |
| 149 | Measurement of orthodontic forces using polymer PCF. , 2007, , . | | 2 |
| 150 | Internal temperature measurements of a concrete cantilever beam using high temperature stable fibre Bragg gratings. , 2006, , . | | 0 |
| 151 | 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 |
| 152 | Permanent luminescent micropatterns photoinduced by low-power ultraviolet irradiation in lithium fluoride. Applied Physics Letters, 2006, 89, 241125. | 1.5 | 13 |
| 153 | Bend and Temperature Sensing with Arc-Induced Phase-Shifted Long-Period Fiber Grating. , 2006, , TuE43. | | 1 |
| 154 | Spatial characterization of fiber Bragg grating structures using transversal pressure. Optics Communications, 2006, 259, 110-114. | 1.0 | 8 |
| 155 | Determination of setting expansion of dental materials using fibre optical sensing. Measurement Science and Technology, 2006, 17, 1152-1156. | 1.4 | 25 |
| 156 | Bragg gratings in normal and reduced diameter high birefringence fibre optics. Measurement Science and Technology, 2006, 17, 1477-1484. | 1.4 | 20 |
| 157 | Application of Bragg Grating Sensors in Dental Biomechanics. Journal of Strain Analysis for Engineering Design, 2006, 41, 411-416. | 1.0 | 31 |
| 158 | Two-channel CWDM OADM Based on Large Bandwidth Fibre Bragg Gratings. , 2006, , . | | 2 |
| 159 | Radial-basis function network for the approximation of FBC sensor spectra with distorted peaks. Measurement Science and Technology, 2006, 17, 1039-1045. | 1.4 | 33 |
| 160 | Abnormal growth mechanism of fiber Bragg gratings in high-Germanium-doped fibers. , 2005, , . | | 0 |
| 161 | Fibre Bragg grating sensing and finite element analysis of the biomechanics of the mandible. , 2005, , . | | 14 |
| 162 | Radial-basis function network for the approximation of quasi-distributed FBC sensor spectra with distorted peaks. , 2005, , . | | 1 |

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| 163 | Production and characterization of broad fibre Bragg gratings for photonic devices. , 2005, , . | | 1 |
| 164 | Simultaneous temperature and strain measurement based on arc-induced long-period fiber gratings. , 2005, , . | | 2 |
| 165 | Fiber optic sensors for hydrocarbon detection. Sensors and Actuators B: Chemical, 2005, 105, 430-436. | 4.0 | 87 |
| 166 | Comparison of the temperature dependence of different types of Bragg gratings. Microwave and Optical Technology Letters, 2005, 45, 305-307. | 0.9 | 14 |
| 167 | FBG application in the determination of setting expansion of dental materials. , 2005, , . | | 8 |
| 168 | FBG applied in dynamic analysis of an implanted cadaveric mandible. , 2004, , . | | 11 |
| 169 | Superimposed Bragg gratings in high-birefringence fibre optics: three-parameter simultaneous measurements. Measurement Science and Technology, 2004, 15, 1453-1457. | 1.4 | 49 |
| 170 | <title>CR (III) and CR (VI) detection in water environment using an optical fiber grating sensor</title>. , 2004, , . | | 5 |
| 171 | <title>Tunable optical source for the interrogation of Bragg gratings via spectral scanning</title>. , 2004, , . | | 0 |
| 172 | Temperature effects in concrete structures measured with fibre Bragg grating. , 2004, , . | | 2 |
| 173 | <title>Optical fiber sensor for gasoline blend quality control</title>. , 2004, 5622, 194. | | 0 |
| 174 | Production and characterisation of Bragg gratings written in high-birefringence fibre optics. IET Circuits, Devices and Systems, 2003, 150, 495. | 0.6 | 21 |
| 175 | Development of Bragg grating sensors at CEFET-PR. Optics and Lasers in Engineering, 2003, 39, 511-523. | 2.0 | 6 |
| 176 | Production and characterization of refractive index gratings in high-birefringence fibre optics. Optics and Lasers in Engineering, 2003, 39, 537-548. | 2.0 | 11 |
| 177 | Analysis of Bragg grating written in high-birefringence fiber optics. , 2003, 5036, 224. | | 3 |
| 178 | Precise characterization of fiber Bragg gratings for photonic communications systems. , 2003, , . | | 1 |
| 179 | Simulation and evaluation of frequency coupling coefficients in the nonlinear dispersive regime of single-mode fibers. , 2003, , . | | 0 |
| 180 | Measurement of Raman gain coefficient in standard single-mode optical fibers for DWDM photonic simulation purposes. , 2003, , . | | 1 |

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| 181 | 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 |
| 182 | Title is missing!. Nonlinear Dynamics, 2002, 27, 185-195. | 2.7 | 15 |
| 183 | A fibre optic Bragg grating strain sensor for monitoring ventilatory movements. Measurement Science and Technology, 2001, 12, 805-809. | 1.4 | 88 |
| 184 | <title>Polarization couplers in fibers with different core shapes</title>. , 2001, , . | | 0 |
| 185 | <title>Development of Bragg grating sensors at CEFET-PR and University of Aveiro</title>. , 2001, , . | | 0 |
| 186 | <title>Modeling and production of high-birefringence FOBG sensors</title>. , 2001, , . | | 3 |
| 187 | <title>High-gain EDFA using ASE suppression: numerical simulation and experimental characterization</title>. , 2001, 4419, 90. | | 0 |
| 188 | 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 |
| 189 | <title>Multiplexed fiber optic Bragg grating sensors for strain and temperature measurements in power systems</title>. , 1999, 3666, 544. | | 7 |
| 190 | <title>Quasi-distributed optical fiber sensor for strain measurement along power conductors</title>. , 1999, 3572, 134. | | 1 |
| 191 | <title>Design of optical fiber devices by numerical simulation</title>. , 1998, , . | | 1 |
| 192 | <title>Fiber ring laser optimization as an optical source for WDM transmission systems</title>. , 1998, , . | | 1 |
| 193 | Multidisciplinary approach in the teaching of optical technologies for electronic engineers. , 1997, , . | | 0 |
| 194 | <title>Modeling of optical fiber sensors by beam propagation</title>. , 1994, , . | | 0 |
| 195 | <title>Optical thermometer using a short bend of single-mode fiber</title>. , 1993, , . | | 1 |
| 196 | Educational fiber optic transmission equipment with dedicated BER features. , 1992, , . | | 0 |
| 197 | Electronic-digital detection system for an optical fiber current sensor. , 1991, , . | | 0 |
| 198 | Fiber Optic Sensors At The Universidade Federal Fluminense(Brasil). Proceedings of SPIE, 1990, , . | 0.8 | 0 |

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