

Paulo Afonso AndrÃ©

List of Publications by Year in descending order

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415
papers

5,590
citations

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123424

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418
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418
docs citations

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times ranked

4848
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Walsh-coded orthogonal chaotic shift keying for key distribution in visible light communication systems. <i>Optics Communications</i> , 2022, 505, 127538. | 2.1 | 2 |
| 2 | Customized Luminescent Multiplexed Quick-Response Codes as Reliable Temperature Mobile Optical Sensors for eHealth and Internet of Things. <i>Advanced Photonics Research</i> , 2022, 3, 2100206. | 3.6 | 24 |
| 3 | Lanthanides for the new generation of optical sensing and Internet of Things. <i>Fundamental Theories of Physics</i> , 2022, , 31-128. | 0.3 | 9 |
| 4 | Smart Optical Sensors for Internet of Things: Integration of Temperature Monitoring and Customized Security Physical Unclonable Functions. <i>IEEE Access</i> , 2022, 10, 24433-24443. | 4.2 | 9 |
| 5 | Bio-Based Solar Energy Harvesting for Onsite Mobile Optical Temperature Sensing in Smart Cities. <i>Advanced Science</i> , 2022, 9, e2104801. | 11.2 | 14 |
| 6 | Random bit sequence generation from speckle patterns produced with multimode waveguides. <i>IET Optoelectronics</i> , 2022, 16, 174-178. | 3.3 | 2 |
| 7 | Customized Luminescent Multiplexed Quick-Response Codes as Reliable Temperature Mobile Optical Sensors for eHealth and Internet of Things. <i>Advanced Photonics Research</i> , 2022, 3, . | 3.6 | 3 |
| 8 | New Photonics Trends in Sensing (and Photovoltaics) towards IOT & Smart Labels. <i>Advanced Photonics Research</i> , 2022, 3, . | 3.6 | 0 |
| 9 | 3D Printed Spirometer for Pulmonary Health Assessment Based on Fiber Bragg Gratings. <i>IEEE Sensors Journal</i> , 2021, 21, 4590-4598. | 4.7 | 4 |
| 10 | Ultraviolet-Filtering Luminescent Transparent Coatings for High-Performance PTB7-Th:ITIC-Based Organic Solar Cells. <i>Frontiers in Nanotechnology</i> , 2021, 3, . | 4.8 | 4 |
| 11 | Datacenter Thermal Monitoring Without Blind Spots: FBG-Based Quasi-Distributed Sensing. <i>IEEE Sensors Journal</i> , 2021, 21, 9869-9876. | 4.7 | 8 |
| 12 | mOptical Sensing for the Internet of Things: A Smartphone-Controlled Platform for Temperature Monitoring. <i>Advanced Photonics Research</i> , 2021, 2, 2000211. | 3.6 | 28 |
| 13 | Non-Invasive Wearable Optical Sensors for Full Gait Analysis in E-Health Architecture. <i>IEEE Wireless Communications</i> , 2021, 28, 28-35. | 9.0 | 10 |
| 14 | An Optimized Self-Compensated Solution for Temperature and Strain Cross-Sensitivity in FBG Interrogators Based on Edge Filter. <i>Sensors</i> , 2021, 21, 5828. | 3.8 | 4 |
| 15 | Optical Fiber Fabry-Perot Interferometer Based Spirometer: Design and Performance Evaluation. <i>Photonics</i> , 2021, 8, 336. | 2.0 | 5 |
| 16 | Special Issue "Optical Fiber Interferometric Sensors: New Production Methodologies and Novel Applications". <i>Photonics</i> , 2021, 8, 389. | 2.0 | 0 |
| 17 | Chirped POF Bragg grating production utilizing UV cure adhesive coating for multiparameter sensing. <i>Optical Fiber Technology</i> , 2021, 65, 102593. | 2.7 | 17 |
| 18 | Synchronous Temperature and Magnetic Field Dual-Sensing by Luminescence in a Dysprosium Single-Molecule Magnet. <i>Advanced Optical Materials</i> , 2021, 9, 2101495. | 7.3 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Optical fiber FPI based sensor for arterial pulse waves assessment. , 2021, , . | | 0 |
| 20 | Optical Authentication of Physically Unclonable Functions Using Flexible and Versatile Organic-Inorganic Hybrids. , 2021, , . | | 1 |
| 21 | Pulmonary Health Assessment using Fiber Bragg Gratings in a 3D Printed Spirometer. , 2021, , . | | 0 |
| 22 | Photonic sensors for non-invasive home monitoring of elders. , 2021, , . | | 1 |
| 23 | Wearable Devices for Remote Physical Rehabilitation Using a Fabry-Perot Optical Fiber Sensor: Ankle Joint Kinematic. IEEE Access, 2020, 8, 109866-109875. | 4.2 | 26 |
| 24 | Environmentally friendly luminescent solar concentrators based on an optically efficient and stable green fluorescent protein. Green Chemistry, 2020, 22, 4943-4951. | 9.0 | 21 |
| 25 | Super modules-based active QR codes for smart trackability and IoT: a responsive-banknotes case study. Npj Flexible Electronics, 2020, 4, . | 10.7 | 32 |
| 26 | Green photonics integrated circuits based on organic-inorganic hybrids. , 2020, , 229-266. | | 0 |
| 27 | Solar spectral conversion based on plastic films of lanthanide-doped ionosilicas for photovoltaics: Down-shifting layers and luminescent solar concentrators. Journal of Rare Earths, 2020, 38, 531-538. | 4.8 | 35 |
| 28 | Flexible Blue-Light Fiber Amplifiers to Improve Signal Coverage in Advanced Lighting Communication Systems. Cell Reports Physical Science, 2020, 1, 100041. | 5.6 | 11 |
| 29 | Adhesive assisted fabrication of chirped POF Bragg grating. , 2020, , . | | 1 |
| 30 | eHealth Solution for Cancer Patients Rehabilitation enabled by Optical Fiber Sensors. , 2020, , . | | 3 |
| 31 | Flexible photoluminescent waveguide amplifiers to improve visible light communication platforms. IET Optoelectronics, 2020, 14, 356-358. | 3.3 | 2 |
| 32 | Lifetime prediction for optical fibers aged in sodium chlorine aquoses solutions: Directions for deployment in seashore regions. Optical Fiber Technology, 2020, 60, 102370. | 2.7 | 0 |
| 33 | Photovoltaic spectral conversion materials: The role of sol-gel processing. , 2020, , 145-182. | | 0 |
| 34 | Luminescence Thermometry on the Route of the Mobile-Based Internet of Things (IoT): How Smart QR Codes Make It Real. Advanced Science, 2019, 6, 1900950. | 11.2 | 74 |
| 35 | Fiber Bragg Based Sensors for Foot Plantar Pressure Analysis. Communications in Computer and Information Science, 2019, , 3-25. | 0.5 | 2 |
| 36 | Surface crystallization of ionic liquid crystals. Physical Chemistry Chemical Physics, 2019, 21, 17792-17800. | 2.8 | 6 |

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| 37 | Optical Fiber Sensing for Sub-Millimeter Liquid-Level Monitoring: A Review. IEEE Sensors Journal, 2019, 19, 7179-7191. | 4.7 | 67 |
| 38 | IoT over Fiber: A Long-Reach Fully Passive Low-Rate Upstream PHY for IoT over Fiber. Electronics (Switzerland), 2019, 8, 359. | 3.1 | 13 |
| 39 | Improved method for the intraoffice infrastructure optical fiber fault location the based on reflectometric analyses. Microwave and Optical Technology Letters, 2019, 61, 1432-1436. | 1.4 | 2 |
| 40 | Green photonics integrated circuit for NGOA coherent receivers. Optics and Laser Technology, 2019, 115, 222-228. | 4.6 | 1 |
| 41 | Low-Cost and High-Performance Optical Fiber-Based Sensor for Liquid Level Monitoring. IEEE Sensors Journal, 2019, 19, 4882-4888. | 4.7 | 15 |
| 42 | Multifunctional Materials for Integrated Optics with Enhanced and Tuneable Optical Properties. , 2019, , . | | 0 |
| 43 | Wearable eHealth System for Physical Rehabilitation: Ankle Plantar-Dorsi-Flexion Monitoring. , 2019, , . | | 9 |
| 44 | Fiber Bragg Gratings as e-Health Enablers: An Overview for Gait Analysis Applications. , 2019, , . | | 3 |
| 45 | High Rate Dynamic Monitoring with Fabry-Pérot Interferometric Sensors: An Alternative Interrogation Technique Targeting Biomedical Applications. Sensors, 2019, 19, 4744. | 3.8 | 21 |
| 46 | Combined Bending and Torsion Sensing by Induced Birefringence in Distributed Bragg Reflector Laser. Journal of Lightwave Technology, 2019, 37, 861-867. | 4.6 | 11 |
| 47 | Sustainable Liquid Luminescent Solar Concentrators. Advanced Sustainable Systems, 2019, 3, 1800134. | 5.3 | 30 |
| 48 | Insole Optical Fiber Sensor Architecture for Remote Gait Analysis—An e-Health Solution. IEEE Internet of Things Journal, 2019, 6, 207-214. | 8.7 | 76 |
| 49 | Optical fibre fuse effect based sensor for magnetic field monitoring. , 2019, , . | | 3 |
| 50 | Inscription of Bragg gratings in undoped PMMA mPOF with Nd:YAG laser at 266-nm wavelength. Optics Express, 2019, 27, 38039. | 3.4 | 29 |
| 51 | Transparent Luminescent Solar Concentrators Using Ln ³⁺ -Based Ionosilicas Towards Photovoltaic Windows. Energies, 2019, 12, 451. | 3.1 | 37 |
| 52 | Implementation of a Visible Light Communication Link: Li-Fi with Smartphone Detection. , 2019, , . | | 1 |
| 53 | Temperature cross-sensitivity compensation in liquid level sensor using Mach-Zehnder interferometers. , 2019, , . | | 1 |
| 54 | Low-cost intrinsic optical fiber FPI sensor for knee kinematic gait analysis and e-Health architecture. , 2019, , . | | 1 |

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| 55 | Bioinspired optical fiber sensor for simultaneous shear and vertical forces monitoring. , 2019, , . | | 1 |
| 56 | Cost-effective high rate interrogation architecture for Fabry-Perot interferometric sensors. , 2019, , . | | 0 |
| 57 | Development of a compact and portable SHG FROG. , 2019, , . | | 1 |
| 58 | Graphene oxide filled optical fiber micro-cavity based temperature sensor. , 2019, , . | | 0 |
| 59 | Coloured QR codes for the Internet of Things. , 2019, , . | | 0 |
| 60 | Innovative and multifunctional materials as optical amplifiers for cooperative visible light communications. , 2019, , . | | 0 |
| 61 | Cost-effective optical fiber pressure sensor based on intrinsic Fabry-Perot interferometric micro-cavities. Optical Fiber Technology, 2018, 42, 56-62. | 2.7 | 58 |
| 62 | Sustainable luminescent solar concentrators based on organic-inorganic hybrids modified with chlorophyll. Journal of Materials Chemistry A, 2018, 6, 8712-8723. | 10.3 | 38 |
| 63 | Liquid Level Measurement Based on FBG-Embedded Diaphragms With Temperature Compensation. IEEE Sensors Journal, 2018, 18, 193-200. | 4.7 | 106 |
| 64 | [INVITED] Luminescent QR codes for smart labelling and sensing. Optics and Laser Technology, 2018, 101, 304-311. | 4.6 | 30 |
| 65 | Energy-Aware Wearable E-Health Architecture Using Optical FBG Sensors for Knee Kinematic Monitoring. , 2018, , . | | 19 |
| 66 | Disaggregation of the Optical Layer for More Cost-Effective Metro Networks. , 2018, , . | | 0 |
| 67 | Electro-Optic Organic-Inorganic Hybrids for Signal Modulation. , 2018, , . | | 0 |
| 68 | Employment of optical fibers for RC bond-slip characterization. Procedia Structural Integrity, 2018, 11, 138-144. | 0.8 | 1 |
| 69 | Promoting IoT Education for Pre-university Students With Coloured QR Codes : Colour multiplexed QR codes. , 2018, , . | | 1 |
| 70 | Optical and Digital Key Enabling Techniques for SDM-Based Optical Networks. , 2018, , . | | 0 |
| 71 | Optical Fiber Magnetic Field Sensors Based on Magnetic Fluid: A Review. Sensors, 2018, 18, 4325. | 3.8 | 115 |
| 72 | Flexible Optical Amplifier for Visible-Light Communications Based on Organic-Inorganic Hybrids. ACS Omega, 2018, 3, 13772-13781. | 3.5 | 16 |

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| 73 | Integrated Optical Mach-Zehnder Interferometer Based on Organic-Inorganic Hybrids for Photonics-on-a-Chip Biosensing Applications. <i>Sensors</i> , 2018, 18, 840. | 3.8 | 24 |
| 74 | Clinical evaluation of an optical fiber-based probe for the assessment of central arterial pulse waves. <i>Hypertension Research</i> , 2018, 41, 904-912. | 2.7 | 11 |
| 75 | A cost-effective edge-filter based FBG interrogator using catastrophic fuse effect micro-cavity interferometers. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 124, 486-493. | 5.0 | 69 |
| 76 | Strain, temperature, moisture, and transverse force sensing using fused polymer optical fibers. <i>Optics Express</i> , 2018, 26, 12939. | 3.4 | 26 |
| 77 | Design and characterization of a curvature sensor using fused polymer optical fibers. <i>Optics Letters</i> , 2018, 43, 2539. | 3.3 | 22 |
| 78 | Optical sensors for bond-slip characterization and monitoring of RC structures. <i>Sensors and Actuators A: Physical</i> , 2018, 280, 332-339. | 4.1 | 23 |
| 79 | Dynamic mechanical analysis on fused polymer optical fibers: towards sensor applications. <i>Optics Letters</i> , 2018, 43, 1754. | 3.3 | 15 |
| 80 | Advances on Polymer Optical Fiber Gratings Using a KrF Pulsed Laser System Operating at 248 nm. <i>Fibers</i> , 2018, 6, 13. | 4.0 | 59 |
| 81 | Gait Shear and Plantar Pressure Monitoring: A Non-Invasive OFS Based Solution for e-Health Architectures. <i>Sensors</i> , 2018, 18, 1334. | 3.8 | 45 |
| 82 | Large Area Tunable Visible to Near Infrared Luminescent Solar Concentrators. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800002. | 5.3 | 32 |
| 83 | Biaxial optical fiber sensor based in two multiplexed Bragg gratings for simultaneous shear stress and vertical pressure monitoring. , 2018, , . | | 2 |
| 84 | A Cost-Effective demodulator for the Next Generation of Optical Access Networks Receivers. , 2018, , . | | 1 |
| 85 | Characterization of a new polymer optical fiber with enhanced sensing capabilities using a Bragg grating. <i>Optics Letters</i> , 2018, 43, 4799. | 3.3 | 66 |
| 86 | Optical Fiber Technology for eHealthcare. , 2018, , 1503-1526. | | 1 |
| 87 | A cost-effective edge-filter-based FBG strain interrogator using catastrophic fuse effect microcavity interferometers. , 2018, , . | | 0 |
| 88 | Simplified method for passive optical network in-service fibre-fault monitoring based on fibre Bragg gratings. <i>Photonic Network Communications</i> , 2017, 34, 149-154. | 2.7 | 3 |
| 89 | Effect of the Anodic Titania Layer Thickness on Electrodeposition of Zinc on Ti/TiO ₂ from Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017, 164, D88-D94. | 2.9 | 7 |
| 90 | Insole optical fiber Bragg grating sensors network for dynamic vertical force monitoring. <i>Journal of Biomedical Optics</i> , 2017, 22, 091507. | 2.6 | 55 |

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| 91 | Chirped Bragg Gratings in PMMA Step-Index Polymer Optical Fiber. IEEE Photonics Technology Letters, 2017, 29, 500-503. | 2.5 | 55 |
| 92 | Impact of thermal pre-treatment on preforms for fast Bragg gratings inscription using undoped PMMA POFs. , 2017, , . | | 0 |
| 93 | Acoustic waves in tilted fiber Bragg gratings for sensing applications. , 2017, , . | | 1 |
| 94 | Chirped polymer optical fiber Bragg grating sensors. Proceedings of SPIE, 2017, , . | 0.8 | 1 |
| 95 | Wavefront spatialâ€phase modulation in visible optical communications. Microwave and Optical Technology Letters, 2017, 59, 1538-1541. | 1.4 | 4 |
| 96 | Structural Health Monitoring Suitable for Airborne Components Using the Speckle Pattern in Plastic Optical Fibers. IEEE Sensors Journal, 2017, 17, 4791-4796. | 4.7 | 24 |
| 97 | Polymer optical fiber sensors in human life safety. Optical Fiber Technology, 2017, 36, 144-154. | 2.7 | 91 |
| 98 | High-Performance Near-Infrared Luminescent Solar Concentrators. ACS Applied Materials & Interfaces, 2017, 9, 12540-12546. | 8.0 | 64 |
| 99 | Carotid distension waves acquired with a fiber sensor as an alternative to tonometry for central arterial systolic pressure assessment in young subjects. Measurement: Journal of the International Measurement Confederation, 2017, 95, 45-49. | 5.0 | 11 |
| 100 | Refractive index sensor based on tilted fiber Bragg gratings driven by acoustic waves. , 2017, , . | | 1 |
| 101 | Non-Invasive Insole Optical Fiber Sensor Architecture for Monitoring Foot Anomalies. , 2017, , . | | 3 |
| 102 | Performance assessment of a QPSK coherent demodulator based on organic-inorganic hybrids. , 2017, , . | | 1 |
| 103 | Polymer optical fiber Bragg grating inscription with a single UV laser pulse. Optics Express, 2017, 25, 9028. | 3.4 | 68 |
| 104 | Automated technique to inscribe reproducible long-period gratings using a CO ₂ laser splicer. Optics Letters, 2017, 42, 1994. | 3.3 | 14 |
| 105 | Fast Bragg Grating Inscription in PMMA Polymer Optical Fibres: Impact of Thermal Pre-Treatment of Preforms. Sensors, 2017, 17, 891. | 3.8 | 62 |
| 106 | Low-Cost Interrogation Technique for Dynamic Measurements with FBG-Based Devices. Sensors, 2017, 17, 2414. | 3.8 | 62 |
| 107 | POFBG-Embedded Cork Insole for Plantar Pressure Monitoring. Sensors, 2017, 17, 2924. | 3.8 | 75 |
| 108 | Cost-effective in-line optical fiber Fabry-Perot interferometric pressure sensor. , 2017, , . | | 0 |

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| 109 | Experimental Demonstration of Selective Core Coupling in Multicore Fibers of a 200 Gb/s DP-16QAM Signal. , 2016, , . | | 8 |
| 110 | Scale up the collection area of luminescent solar concentrators towards metre-length flexible waveguiding photovoltaics. Progress in Photovoltaics: Research and Applications, 2016, 24, 1178-1193. | 8.1 | 51 |
| 111 | Continuous Control of Random Polarization Rotations for Quantum Communications. Journal of Lightwave Technology, 2016, , 1-1. | 4.6 | 10 |
| 112 | Long range energy transfer in graphene hybrid structures. Journal Physics D: Applied Physics, 2016, 49, 315102. | 2.8 | 9 |
| 113 | Optical fiber sensors for central arterial pressure monitoring. Optical and Quantum Electronics, 2016, 48, 1. | 3.3 | 21 |
| 114 | Recycling optical fibers for sensing. , 2016, , . | | 2 |
| 115 | Enabling the study of photons orbital angular momentum for optical communications. Optical and Quantum Electronics, 2016, 48, 1. | 3.3 | 3 |
| 116 | Flexible 90° hybrid coupler for coherent optical systems based on organic-inorganic hybrids. , 2016, , . | | 2 |
| 117 | Optical fiber infrastructure in-service monitoring by reflectometry mixing. Microwave and Optical Technology Letters, 2016, 58, 2828-2830. | 1.4 | 1 |
| 118 | Fabrication and optical properties of thin films with sol-gel derived di-ureasils doped with Disperse Red 1. Optical and Quantum Electronics, 2016, 48, 1. | 3.3 | 2 |
| 119 | [OP.8D.04] COMPARISON STUDY OF CAROTID DISTENSION WAVES MEASURED WITH A NON-INVASIVE OPTICAL FIBRE SENSOR AND AORTIC INVASIVE PRESSURE WAVES. Journal of Hypertension, 2016, 34, e106. | 0.5 | 0 |
| 120 | K2-29 b/WASP-152 b: AN ALIGNED AND INFLATED HOT JUPITER IN A YOUNG VISUAL BINARY. Astrophysical Journal, 2016, 824, 55. | 4.5 | 44 |
| 121 | Global overview on advances in structural health monitoring platforms. Journal of Civil Structural Health Monitoring, 2016, 6, 461-475. | 3.9 | 49 |
| 122 | Implementation of a two-state quantum bit commitment protocol in optical fibers. Journal of Optics (United Kingdom), 2016, 18, 015202. | 2.2 | 10 |
| 123 | On the LASERs bibliometric indicators. Optical and Quantum Electronics, 2016, 48, 1. | 3.3 | 1 |
| 124 | Experimental Demonstration of a 33.5-Gb/s OFDM-Based PON With Subcarrier Pre-Emphasis. IEEE Photonics Technology Letters, 2016, 28, 860-863. | 2.5 | 8 |
| 125 | Groundwater level monitoring using a plastic optical fiber. Sensors and Actuators A: Physical, 2016, 240, 138-144. | 4.1 | 29 |
| 126 | Relative humidity sensing using micro-cavities produced by the catastrophic fuse effect. Optical and Quantum Electronics, 2016, 48, 1. | 3.3 | 51 |

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| 127 | Cost effective refractive index sensor based on optical fiber micro cavities produced by the catastrophic fuse effect. Measurement: Journal of the International Measurement Confederation, 2016, 77, 265-268. | 5.0 | 22 |
| 128 | Structural reliability assessment based on optical monitoring system: case study. Revista IBRACON De Estruturas E Materiais, 2016, 9, 297-305. | 0.6 | 3 |
| 129 | Verification of the Violation of WWZB Inequality Using Werner States. Journal of Physics: Conference Series, 2015, 605, 012036. | 0.4 | 0 |
| 130 | Enhanced sensitivity high temperature optical fiber FPI sensor created with the catastrophic fuse effect. Microwave and Optical Technology Letters, 2015, 57, 972-974. | 1.4 | 11 |
| 131 | Easily processable multimodal spectral converters based on metal oxide/organic-inorganic hybrid nanocomposites. Nanotechnology, 2015, 26, 405601. | 2.6 | 3 |
| 132 | Optical signal processing for data error detection and correction using SiCH technology. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1393-1400. | 0.8 | 19 |
| 133 | Corrosion Resistant FBG-Based Quasi-Distributed Sensor for Crude Oil Tank Dynamic Temperature Profile Monitoring. Sensors, 2015, 15, 30693-30703. | 3.8 | 60 |
| 134 | Liquid level gauge based in plastic optical fiber. Measurement: Journal of the International Measurement Confederation, 2015, 66, 238-243. | 5.0 | 48 |
| 135 | Hydrostatic pressure sensor based on micro-cavities developed by the catastrophic fuse effect. , 2015, , . | | 1 |
| 136 | Central arterial pressure assessment with intensity POF sensor. Proceedings of SPIE, 2015, , . | 0.8 | 2 |
| 137 | Liquid Hydrostatic Pressure Optical Sensor Based on Micro-Cavity Produced by the Catastrophic Fuse Effect. IEEE Sensors Journal, 2015, 15, 5654-5658. | 4.7 | 31 |
| 138 | Revisiting thermal-actuated integrated optics devices based on organic-inorganic hybrids. , 2015, , . | | 0 |
| 139 | High-efficiency luminescent solar concentrators for flexible waveguiding photovoltaics. Solar Energy Materials and Solar Cells, 2015, 138, 51-57. | 6.2 | 74 |
| 140 | Eu ³⁺ -Based Bridged Silsesquioxanes for Transparent Luminescent Solar Concentrators. ACS Applied Materials & Interfaces, 2015, 7, 8770-8778. | 8.0 | 78 |
| 141 | Central arterial pulse waveform acquisition with a portable pen-like optical fiber sensor. Blood Pressure Monitoring, 2015, 20, 43-46. | 0.8 | 19 |
| 142 | Photodynamical mass determination of the multiplanetary system K2-19. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4267-4276. | 4.4 | 64 |
| 143 | A Fast Method for Launch Parameter Optimization in Long-Haul Dispersion-Managed Optical Links. Journal of Lightwave Technology, 2015, 33, 4303-4310. | 4.6 | 4 |
| 144 | All-optical multifunctional logic operations using simultaneously both interferometric output ports in a symmetric SOA-MZI. Optics and Laser Technology, 2015, 68, 175-181. | 4.6 | 4 |

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| 145 | Plastic Optical Fiber Sensor for Noninvasive Arterial Pulse Waveform Monitoring. IEEE Sensors Journal, 2015, 15, 14-18. | 4.7 | 34 |
| 146 | Sensing Structure Based on Surface Plasmon Resonance in Chemically Etched Single Mode Optical Fibres. Plasmonics, 2015, 10, 319-327. | 3.4 | 56 |
| 147 | A brief review on quantum bit commitment. Proceedings of SPIE, 2014, , . | 0.8 | 3 |
| 148 | In line 40 Gb/s group velocity dispersion monitoring. Microwave and Optical Technology Letters, 2014, 56, 206-208. | 1.4 | 0 |
| 149 | Dynamic structural health monitoring of a civil engineering structure with a POF accelerometer. Sensor Review, 2014, 34, 36-41. | 1.8 | 17 |
| 150 | Colour multiplexing of quick response (QR) codes. Electronics Letters, 2014, 50, 1828-1830. | 1.0 | 19 |
| 151 | Sensors based on recycled optical fibers destroyed by the catastrophic fuse effect. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 152 | Graphical user interfaces for teaching and research in optical communications. Proceedings of SPIE, 2014, , . | 0.8 | 1 |
| 153 | The impact of active learning strategies in second cycle students of an engineer course: A case study. , 2014, , . | | 1 |
| 154 | Experimental Analysis of an All-Optical Packet Router. Journal of Optical Communications and Networking, 2014, 6, 629. | 4.8 | 4 |
| 155 | Fabrication of low-cost thermo-optic variable wave plate based on waveguides patterned on di-ureasil hybrids. Optics Express, 2014, 22, 27159. | 3.4 | 16 |
| 156 | Group velocity dispersion monitoring for QPSK signals using direct detection. Microwave and Optical Technology Letters, 2014, 56, 2078-2080. | 1.4 | 0 |
| 157 | Calculation of the number of bits required for the estimation of the bit error ratio. , 2014, , . | | 3 |
| 158 | Optical strain sensor based on FPI micro-cavities produced by the fiber fuse effect. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 159 | Optical fiber sensors in arterial pulse waveform acquisition. , 2014, , . | | 0 |
| 160 | Low-Cost Spectrograph Based on a WebCam: A Student Project. International Journal of Electrical Engineering and Education, 2014, 51, 1-11. | 0.8 | 6 |
| 161 | Optimal launch power prediction of a 100G PM-DQPSK dispersion-managed link with the Gaussian noise model. , 2014, , . | | 0 |
| 162 | Luminescent solar concentrators: challenges for lanthanide-based organic-inorganic hybrid materials. Journal of Materials Chemistry A, 2014, 2, 5580-5596. | 10.3 | 150 |

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| 163 | Optical Fiber Microcavity Strain Sensors Produced by the Catastrophic Fuse Effect. IEEE Photonics Technology Letters, 2014, 26, 78-81. | 2.5 | 66 |
| 164 | A different way to verify the violation of the WWÅ»B inequality. European Physical Journal D, 2014, 68, 1. | 1.3 | 1 |
| 165 | Polarization state control using thermo-optic effect in organic-inorganic hybrids waveguides. , 2014, , . | | 1 |
| 166 | Power transmission over optical fiber networks. , 2014, , . | | 2 |
| 167 | Noise and measurement errors in a practical two-state quantum bit commitment protocol. Physical Review A, 2014, 89, . | 2.5 | 17 |
| 168 | CONJUGATION OF OPTICAL AND MICROWAVE TECHNIQUES TO MONITOR THE EARLY AGE CONCRETE CURE. Instrumentation Science and Technology, 2013, 41, 117-124. | 1.8 | 0 |
| 169 | ELEVATED WATER RESERVOIR MONITORING USING OPTICAL FIBER ACCELEROMETER. Instrumentation Science and Technology, 2013, 41, 125-134. | 1.8 | 4 |
| 170 | OSNR monitoring using fiber bragg grating in high birefringent optical fibers. Microwave and Optical Technology Letters, 2013, 55, 6-9. | 1.4 | 4 |
| 171 | Performance comparison of all-optical clocked S-R and D type flip-flops. Optik, 2013, 124, 2327-2333. | 2.9 | 5 |
| 172 | Intensity-Encoded Polymer Optical Fiber Accelerometer. IEEE Sensors Journal, 2013, 13, 1716-1720. | 4.7 | 30 |
| 173 | Photonicã€onã€aã€chip: a thermal actuated Machã€Zehnder interferometer and a molecular thermometer based on a single diã€ureasil organicã€inorganic hybrid. Laser and Photonics Reviews, 2013, 7, 1027-1035. | 8.7 | 49 |
| 174 | Engineering highly efficient Eu(iii)-based tri-ureasil hybrids toward luminescent solar concentrators. Journal of Materials Chemistry A, 2013, 1, 7339. | 10.3 | 95 |
| 175 | Sensing structure based on surface plasmonic resonance in single mode optical fibers chemically etched. , 2013, , . | | 2 |
| 176 | Enabling quantum communications through accurate photons polarization control. , 2013, , . | | 1 |
| 177 | Optical Fiber Technology for eHealthcare. , 2013, , 180-200. | | 12 |
| 178 | Feasibility studies of Bragg probe for noninvasive carotid pulse waveform assessment. Journal of Biomedical Optics, 2013, 18, 017006. | 2.6 | 31 |
| 179 | Thermo-optic variable attenuator/waveplate based on waveguides patterned on organic-inorganic hybrids. , 2013, , . | | 2 |
| 180 | In the trail of a fiber Bragg grating sensor to assess the central arterial pressure wave profile. Proceedings of SPIE, 2013, , . | 0.8 | 1 |

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| 181 | PMMA Coated BaF ₂ :Er ³⁺ +Nanoparticles via a Novel One-Step Reverse-Emulsion Polymerization Process. Bulletin of the Korean Chemical Society, 2013, 34, 2451-2454. | 1.9 | 1 |
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