

Marcelo A Soto

List of Publications by Year in descending order

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163
papers

4,260
citations

126907

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63
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165
all docs

165
docs citations

165
times ranked

1515
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Deep-Learning-Based Earthquake Detection for Fiber-Optic Distributed Acoustic Sensing. Journal of Lightwave Technology, 2022, 40, 2639-2650. | 4.6 | 27 |
| 2 | Enhancing fibre-optic distributed acoustic sensing capabilities with blind near-field array signal processing. Nature Communications, 2022, 13, . | 12.8 | 15 |
| 3 | Evaluating and Minimizing Induced Microbending Losses in Optical Fiber Sensors Embedded Into Glass-Fiber Composites. Journal of Lightwave Technology, 2021, 39, 7315-7325. | 4.6 | 9 |
| 4 | Liquid Flow Meter by Fiber-Optic Sensing of Heat Propagation. Sensors, 2021, 21, 355. | 3.8 | 15 |
| 5 | Swelling-Based Distributed Chemical Sensing with Standard Acrylate Coated Optical Fibers. Sensors, 2021, 21, 718. | 3.8 | 3 |
| 6 | Study on Hole-Wall Temperature Measurements During Drilling of Carbon Fiber Composites. Mechanisms and Machine Science, 2021, , 653-658. | 0.5 | 0 |
| 7 | Impact of optical noises on unipolar-coded Brillouin optical time-domain analyzers. Optics Express, 2021, 29, 22146. | 3.4 | 12 |
| 8 | Evaluating measurement uncertainty in Brillouin distributed optical fibre sensors using image denoising. Nature Communications, 2021, 12, 4901. | 12.8 | 8 |
| 9 | Reliable packaging of optical fiber Bragg grating sensors for carbon fiber composite wind turbine blades. Composites Science and Technology, 2021, 213, 108933. | 7.8 | 12 |
| 10 | High-Order Polynomial Fitting Assistance for Fast Double-Peak Finding in Brillouin-Distributed Sensing. Sensors, 2021, 21, 187. | 3.8 | 1 |
| 11 | Genetic-Optimized Pulse Coding Technique for Brillouin Distributed Optical Fiber Sensing. , 2021, , . | | 0 |
| 12 | Reducing Microbending Losses in Glass Fiber-Packaged Fiber Bragg Grating Sensors for Wind Blades Monitoring. , 2021, , . | | 0 |
| 13 | Genetic-optimised aperiodic code for distributed optical fibre sensors. Nature Communications, 2020, 11, 5774. | 12.8 | 56 |
| 14 | Common-Path Dual-Comb Spectroscopy Using a Single Electro-Optic Modulator. Journal of Lightwave Technology, 2020, 38, 5107-5115. | 4.6 | 18 |
| 15 | Evaluating Phase Errors in Phase-Sensitive Optical Time-Domain Reflectometry based on I/Q Demodulation. Journal of Lightwave Technology, 2020, , 1-1. | 4.6 | 15 |
| 16 | High-resolution chirped-pulse -OTDR by means of sub-bands processing. Journal of Lightwave Technology, 2020, , 1-1. | 4.6 | 3 |
| 17 | Spectral Properties of the Signal in Phase-Sensitive Optical Time-Domain Reflectometry With Direct Detection. Journal of Lightwave Technology, 2020, 38, 1513-1521. | 4.6 | 18 |
| 18 | Distributed acoustic sensing for seismic activity monitoring. APL Photonics, 2020, 5, . | 5.7 | 92 |

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| 19 | Study on the signal-to-noise ratio of Brillouin optical-time domain analyzers. Optics Express, 2020, 28, 19864. | 3.4 | 28 |
| 20 | Reducing Residual Strain in Fiber Bragg Grating Temperature Sensors Embedded in Carbon Fiber Reinforced Polymers. Journal of Lightwave Technology, 2019, 37, 4650-4656. | 4.6 | 20 |
| 21 | Measuring the Two-Dimensional Temperature Profile of Carbon Fiber Reinforced Polymers During Drilling Using Distributed Fiber Sensing. Journal of Lightwave Technology, 2019, 37, 4687-4696. | 4.6 | 5 |
| 22 | Analysis and Reduction of Large Errors in Rayleigh-Based Distributed Sensor. Journal of Lightwave Technology, 2019, 37, 4710-4719. | 4.6 | 34 |
| 23 | Distributed modular temperature-strain sensor based on optical fiber embedded in laminated composites. Composites Part B: Engineering, 2019, 168, 267-273. | 12.0 | 31 |
| 24 | Alternating strain response of fibre Bragg grating sensors embedded into carbon fibre composites for wind blade health monitoring. , 2019, , . | | 5 |
| 25 | High-resolution distributed shape sensing using phase-sensitive optical time-domain reflectometry and multicore fibers. Optics Express, 2019, 27, 20763. | 3.4 | 27 |
| 26 | Distributed Brillouin Sensing: Time-Domain Techniques. , 2019, , 1663-1753. | | 3 |
| 27 | Distributed Raman Sensing. , 2019, , 1609-1662. | | 0 |
| 28 | Optimizing the signal-to-noise ratio for direct-detection BOTDA. , 2019, , . | | 1 |
| 29 | Boosting the spatial resolution in chirped pulse Ñ-OTDR using sub-band processing. , 2019, , . | | 4 |
| 30 | Guest Editorial JLT Special Issue on OFS-26. Journal of Lightwave Technology, 2019, 37, 4455-4455. | 4.6 | 0 |
| 31 | Brillouin Distributed Optical Fiber Sensor Based on a Closed-Loop Configuration. Journal of Lightwave Technology, 2018, 36, 1239-1248. | 4.6 | 29 |
| 32 | Distributed Raman Sensing. , 2018, , 1-55. | | 4 |
| 33 | Distributed Brillouin Sensing: Time-Domain Techniques. , 2018, , 1-91. | | 10 |
| 34 | Optimizing Image Denoising for Long-Range Brillouin Distributed Fiber Sensing. Journal of Lightwave Technology, 2018, 36, 1168-1177. | 4.6 | 40 |
| 35 | Impact of the Fiber Coating on the Temperature Response of Distributed Optical Fiber Sensors at Cryogenic Ranges. Journal of Lightwave Technology, 2018, 36, 961-967. | 4.6 | 31 |
| 36 | Hybrid Coding Scheme for Brillouin Optical Time-domain Analysis Based on Golay and Differential Pulses. , 2018, , . | | 1 |

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| 37 | Design rules for Unipolar Unicolor Coded Brillouin Optical Time Domain Analysis. , 2018, , . | | 0 |
| 38 | High-Performance Optical Fibre Sensing. , 2018, , . | | 0 |
| 39 | Distributed Acoustic Impedance Measurement Based On Forward Stimulated Brillouin Scattering. , 2018, , . | | 0 |
| 40 | Rayleigh-Based Distributed Optical Fiber Sensing Using Least Mean Square Similarity. , 2018, , . | | 5 |
| 41 | Impact of Fitting and Digital Filtering on Signal-to-Noise Ratio and Brillouin Frequency Shift Uncertainty of BOTDA Measurements. , 2018, , . | | 6 |
| 42 | Hybrid Golay-coded Brillouin optical time-domain analysis based on differential pulses. Optics Letters, 2018, 43, 4574. | 3.3 | 15 |
| 43 | Thermal and Residual Strain Response of an FBG-Based Temperature Sensor Embedded in Carbon Fiber Reinforced Composites. , 2018, , . | | 1 |
| 44 | Distributed forward Brillouin sensor based on local light phase recovery. Nature Communications, 2018, 9, 2990. | 12.8 | 116 |
| 45 | Design rules for optimizing unipolar coded Brillouin optical time-domain analyzers. Optics Express, 2018, 26, 16505. | 3.4 | 39 |
| 46 | Local activation of surface and hybrid acoustic waves in optical microwires. Optics Letters, 2018, 43, 1487. | 3.3 | 10 |
| 47 | High-Resolution Distributed Differential Curvature Measurement Based on Phase-Sensitive Optical Time Domain Reflectometry and Multi-Core Fiber. , 2018, , . | | 0 |
| 48 | Characterization of dynamic strain induced by drilling carbon fiber reinforced polymers using optical frequency-domain reflectometry. , 2018, , . | | 0 |
| 49 | Temperature sensitivity enhancement in a standard optical fiber with double coatings at low temperature. , 2017, , . | | 2 |
| 50 | Discrimination of temperature and strain by combined refractive index and birefringence measurements using coherent Rayleigh sensing. , 2017, , . | | 0 |
| 51 | Demonstration of distributed shape sensing based on Brillouin scattering in multi-core fibers. , 2017, , . | | 3 |
| 52 | Image and video denoising for distributed optical fibre sensors. Proceedings of SPIE, 2017, , . | 0.8 | 7 |
| 53 | Frequency-domain technique to measure the inertial response of forward stimulated Brillouin scattering for acoustic impedance sensing. Proceedings of SPIE, 2017, , . | 0.8 | 15 |
| 54 | Highly sensitive distributed birefringence measurements based on a two-pulse interrogation of a dynamic Brillouin grating. , 2017, , . | | 1 |

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| 55 | Analytical expression and experimental validation of the Brillouin gain spectral broadening at any sensing spatial resolution. Proceedings of SPIE, 2017, , . | 0.8 | 16 |
| 56 | Polarisation pulling in Brillouin optical time-domain analysers. , 2017, , . | | 5 |
| 57 | Closed-loop Controlled Brillouin Optical Time-Domain Analysis. , 2017, , . | | 0 |
| 58 | Temperature-strain discrimination in distributed optical fiber sensing using phase-sensitive optical time-domain reflectometry. Optics Express, 2017, 25, 16059. | 3.4 | 66 |
| 59 | Resolving 1 million sensing points in an optimized differential time-domain Brillouin sensor. Optics Letters, 2017, 42, 1903. | 3.3 | 36 |
| 60 | All-optical flip-flop based on dynamic Brillouin gratings. , 2017, , . | | 0 |
| 61 | All-optical flip-flops based on dynamic Brillouin gratings in fibers. Optics Letters, 2017, 42, 2539. | 3.3 | 10 |
| 62 | Optimization of Detection Schemes in BOTDA. , 2016, , . | | 3 |
| 63 | Distributed shape sensing using Brillouin scattering in multi-core fibers. Optics Express, 2016, 24, 25211. | 3.4 | 147 |
| 64 | Characterisation of an electrical heating method for metallic-coated optical fibres for distributed sensing applications. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 65 | Intensifying the response of distributed optical fibre sensors using 2D and 3D image restoration. Nature Communications, 2016, 7, 10870. | 12.8 | 229 |
| 66 | Optimal detection bandwidth for phase-sensitive optical time-domain reflectometry. Proceedings of SPIE, 2016, , . | 0.8 | 4 |
| 67 | Evaluation of the accuracy of BOTDA systems based on the phase spectral response. Optics Express, 2016, 24, 17200. | 3.4 | 31 |
| 68 | Increasing robustness of bipolar pulse coding in Brillouin distributed fiber sensors. Optics Express, 2016, 24, 586. | 3.4 | 35 |
| 69 | Going beyond 1000000 resolved points in a Brillouin distributed fiber sensor: theoretical analysis and experimental demonstration. Light: Science and Applications, 2016, 5, e16074-e16074. | 16.6 | 140 |
| 70 | Reaching millikelvin resolution in Raman distributed temperature sensing using image processing. Proceedings of SPIE, 2016, , . | 0.8 | 7 |
| 71 | Sub-metric spatial resolution over an extended range using differential time-domain Brillouin sensing. Proceedings of SPIE, 2016, , . | 0.8 | 1 |
| 72 | Novel technique for distributed fibre sensing based on coherent Rayleigh scattering measurements of birefringence. Proceedings of SPIE, 2016, , . | 0.8 | 1 |

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| 73 | Novel scanning method for distortion-free BOTDA measurements. Optics Express, 2016, 24, 10188. | 3.4 | 50 |
| 74 | Gain vs phase in BOTDA setups. Proceedings of SPIE, 2016, , . | 0.8 | 1 |
| 75 | Overcoming high-resolution limitations in optimized long-range BOTDA sensors. , 2016, , . | | 0 |
| 76 | Novel Concepts and Recent Progress in Distributed Optical Fiber Sensing. , 2016, , . | | 0 |
| 77 | 200 km Fiber-Loop Conventional Brillouin Distributed Sensor with 2m Spatial Resolution Using Image Denoising. , 2016, , . | | 1 |
| 78 | Analytical model and experimental verification of the critical power for modulation instability in optical fibers. Optics Express, 2015, 23, 29514. | 3.4 | 114 |
| 79 | 200 km fiber-loop Brillouin distributed fiber sensor using bipolar Golay codes and a three-tone probe. Proceedings of SPIE, 2015, , . | 0.8 | 2 |
| 80 | Brillouin distributed fiber sensing at ultra-high spatial resolution. , 2015, , . | | 1 |
| 81 | Performance limit of two-pump brillouin fiber sensors obtained by Manakov Modulation Instability. , 2015, , . | | 2 |
| 82 | Differential chirped-pulse pair for sub-meter spatial resolution Brillouin distributed fiber sensing. , 2015, , . | | 0 |
| 83 | Mitigation of modulation instability in Brillouin distributed fiber sensors by using orthogonal polarization pulses. , 2015, , . | | 6 |
| 84 | Distributed phase birefringence measurements based on polarization correlation in phase-sensitive optical time-domain reflectometers. Optics Express, 2015, 23, 24923. | 3.4 | 69 |
| 85 | Sources of noise in Brillouin optical time-domain analyzers. , 2015, , . | | 10 |
| 86 | Intensifying Brillouin distributed fibre sensors using image processing. , 2015, , . | | 7 |
| 87 | Reaching the ultimate performance limit given by non-local effects in BOTDA sensors. , 2015, , . | | 1 |
| 88 | Mapping the Uniformity of Optical Microwires Using Phase-Correlation Brillouin Distributed Measurements. , 2015, , . | | 1 |
| 89 | Minimizing distortion and enlarging group delay in Brillouin slow light systems by gain profile optimization. , 2014, , . | | 2 |
| 90 | Brillouin distributed fiber sensors: Practical limitations and guidelines for the making of a good sensor. , 2014, , . | | 2 |

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| 91 | Power evolution along phase-sensitive parametric amplifiers: an experimental survey. Optics Letters, 2014, 39, 6114. | 3.3 | 4 |
| 92 | Enhanced response in Brillouin distributed optical fibre sensors by simultaneous time and frequency pump multiplexing. Proceedings of SPIE, 2014, , . | 0.8 | 1 |
| 93 | Towards 1â€™000â€™000 resolved points in a distributed optical fibre sensor. , 2014, , . | | 10 |
| 94 | 1â€™000â€™000 resolved points along a Brillouin distributed fibre sensor. , 2014, , . | | 9 |
| 95 | MilliKelvin resolution in cryogenic temperature distributed fibre sensing based on coherent Rayleigh scattering. , 2014, , . | | 8 |
| 96 | Time and frequency pump-probe multiplexing to enhance the signal response of Brillouin optical time-domain analyzers. Optics Express, 2014, 22, 28584. | 3.4 | 34 |
| 97 | Going beyond limits in Brillouin distributed fibre sensors: Challenges and possible approaches. , 2014, , . | | 0 |
| 98 | Distributed birefringence measurements using polarisation correlation in phase-sensitive OTDR. , 2014, , . | | 0 |
| 99 | Modelling the depletion length induced by modulation instability in distributed optical fibre sensors. , 2014, , . | | 8 |
| 100 | Extending the Real Remoteness of Long-Range Brillouin Optical Time-Domain Fiber Analyzers. Journal of Lightwave Technology, 2014, 32, 152-162. | 4.6 | 149 |
| 101 | Towards highest spectral efficiency: Optical sinc-shaped Nyquist pulses generation from rectangular frequency comb. , 2014, , . | | 0 |
| 102 | Effect of Dispersion Fluctuations on Longitudinal Gain Evolution in Phase-Sensitive Parametric Amplifiers. , 2014, , . | | 0 |
| 103 | Optical sinc-shaped Nyquist pulses of exceptional quality. Nature Communications, 2013, 4, 2898. | 12.8 | 195 |
| 104 | Bipolar optical pulse coding for performance enhancement in BOTDA sensors. Optics Express, 2013, 21, 16390. | 3.4 | 123 |
| 105 | Modeling and evaluating the performance of Brillouin distributed optical fiber sensors. Optics Express, 2013, 21, 31347. | 3.4 | 400 |
| 106 | Highly sensitive dispersion map extraction from highly nonlinear fibers using BOTDA probing of parametric amplification. , 2013, , . | | 1 |
| 107 | Study of Raman amplification in DPP-BOTDA sensing employing Simplex coding for sub-meter scale spatial resolution over long fiber distances. Measurement Science and Technology, 2013, 24, 094018. | 2.6 | 8 |
| 108 | RAMAN BASED DISTRIBUTED OPTICAL FIBER TEMPERATURE SENSORS: INDUSTRIAL APPLICATIONS AND FUTURE DEVELOPMENTS. , 2013, , 88-113. | | 0 |

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| 109 | Time gated phase-correlation distributed Brillouin fibre sensor. , 2013, , . | | 12 |
| 110 | Brillouin distributed fibre sensing using phase modulated probe. Proceedings of SPIE, 2013, , . | 0.8 | 8 |
| 111 | Colour simplex coding for brillouin distributed sensors. , 2013, , . | | 14 |
| 112 | Mitigating modulation instability in Brillouin distributed fibre sensors. Proceedings of SPIE, 2013, , . | 0.8 | 11 |
| 113 | Generation of Nyquist sinc pulses using intensity modulators. , 2013, , . | | 24 |
| 114 | Optical sinc-shaped Nyquist pulses with very low roll-off generated from a rectangular frequency comb. , 2013, , . | | 4 |
| 115 | Highly tunable method to generate sinc-shaped Nyquist pulses from a rectangular frequency comb. , 2013, , . | | 2 |
| 116 | Advanced Pulse Coding Techniques for Distributed Optical Fiber Sensors. , 2013, , . | | 0 |
| 117 | Brillouin optical time-domain analysis over a 240 km-long fiber loop with no repeater. , 2012, , . | | 6 |
| 118 | Optimization of a DPP-BOTDA sensor with 25 cm spatial resolution over 60 km standard single-mode fiber using Simplex codes and optical pre-amplification. Optics Express, 2012, 20, 6860. | 3.4 | 61 |
| 119 | Integrated hybrid Raman/fiber Bragg grating interrogation scheme for distributed temperature and point dynamic strain measurements. Applied Optics, 2012, 51, 7268. | 1.8 | 12 |
| 120 | Time/frequency coding for Brillouin distributed sensors. Proceedings of SPIE, 2012, , . | 0.8 | 13 |
| 121 | Bipolar pulse coding for enhanced performance in Brillouin distributed optical fiber sensors. Proceedings of SPIE, 2012, , . | 0.8 | 2 |
| 122 | Rating the performance of a Brillouin distributed fiber sensor. Proceedings of SPIE, 2012, , . | 0.8 | 3 |
| 123 | Raman-assisted DPP-BOTDA sensor employing Simplex coding with sub-meter scale spatial resolution over 93 km standard SMF. , 2012, , . | | 1 |
| 124 | Simplex-Coded BOTDA Sensor Over 120-km SMF With 1-m Spatial Resolution Assisted by Optimized Bidirectional Raman Amplification. IEEE Photonics Technology Letters, 2012, 24, 1823-1826. | 2.5 | 62 |
| 125 | Hybrid BOTDA/FBG sensor for discrete dynamic and distributed static strain/temperature measurements. , 2012, , . | | 8 |
| 126 | Double-pulse Brillouin distributed optical fiber sensors: analytical model and experimental validation. , 2012, , . | | 7 |

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| 127 | Impact of Loss Variations on Double-Ended Distributed Temperature Sensors Based on Raman Anti-Stokes Signal Only. <i>Journal of Lightwave Technology</i> , 2012, 30, 1215-1222. | 4.6 | 45 |
| 128 | Enhanced-performance BOTDA sensing through optimized pulse coding and low-RIN bidirectional Raman amplification. , 2012, , . | | 0 |
| 129 | Hybrid Raman/FBG-based Sensing for Simultaneous Point Dynamic Strain and Distributed Temperature Measurement. , 2012, , . | | 0 |
| 130 | Long-range BOTDA sensing using optical pulse coding and single source bi-directional distributed Raman amplification. , 2011, , . | | 3 |
| 131 | High-Performance Raman-Based Distributed Fiber-Optic Sensing Under a Loop Scheme Using Anti-Stokes Light Only. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 534-536. | 2.5 | 41 |
| 132 | Optimization of long-range BOTDA sensors with high resolution using first-order bi-directional Raman amplification. <i>Optics Express</i> , 2011, 19, 4444. | 3.4 | 95 |
| 133 | Long-range simplex-coded BOTDA sensor over 120km distance employing optical preamplification. <i>Optics Letters</i> , 2011, 36, 232. | 3.3 | 107 |
| 134 | Raman-based distributed temperature sensor with 1m spatial resolution over 26km SMF using low-repetition-rate cyclic pulse coding. <i>Optics Letters</i> , 2011, 36, 2557. | 3.3 | 96 |
| 135 | BOTDA sensor with 2-m spatial resolution over 120 km distance using bi-directional distributed Raman amplification. , 2011, , . | | 3 |
| 136 | Distributed optical fiber temperature sensor using only anti-Stokes Raman scattering light in a loop configuration. , 2011, , . | | 0 |
| 137 | Advanced cyclic coding technique for long-range Raman DTS systems with meter-scale spatial resolution over standard SMF. , 2011, , . | | 11 |
| 138 | Enhanced distributed hybrid sensor based on Brillouin and Raman scattering combining Fabry-Perot lasers and optical pulse coding. , 2010, , . | | 2 |
| 139 | Impact of the pulse modulation format on distributed BOTDA sensors based on Simplex coding. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 0 |
| 140 | Optical pulse coding in hybrid distributed sensing based on Raman and Brillouin scattering employing Fabry-Perot lasers. <i>Optics Express</i> , 2010, 18, 8459. | 3.4 | 32 |
| 141 | Analysis of pulse modulation format in coded BOTDA sensors. <i>Optics Express</i> , 2010, 18, 14878. | 3.4 | 87 |
| 142 | Simplex-coded BOTDA fiber sensor with 1 m spatial resolution over a 50 km range. <i>Optics Letters</i> , 2010, 35, 259. | 3.3 | 284 |
| 143 | Long-range Brillouin optical time-domain analysis sensor employing pulse coding techniques. <i>Measurement Science and Technology</i> , 2010, 21, 094024. | 2.6 | 47 |
| 144 | SNR enhancement of Raman-based long-range distributed temperature sensors using cyclic Simplex codes. <i>Electronics Letters</i> , 2010, 46, 1221. | 1.0 | 33 |

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| 145 | Simultaneous distributed strain and temperature sensing based on combined Raman and Brillouin scattering using Fabry-Perot lasers. Measurement Science and Technology, 2010, 21, 094025. | 2.6 | 12 |
| 146 | Per-band link control transients protection in distributed fiber Raman amplifier cascades. , 2009, , . | | 2 |
| 147 | Distributed optical fibre sensors based on spontaneous Brillouin scattering employing multimode Fabry-Perot lasers. Electronics Letters, 2009, 45, 1071. | 1.0 | 7 |
| 148 | Enhanced Simultaneous Distributed Strain and Temperature Fiber Sensor Employing Spontaneous Brillouin Scattering and Optical Pulse Coding. IEEE Photonics Technology Letters, 2009, 21, 450-452. | 2.5 | 47 |
| 149 | Fiber-Optic Distributed Sensor Based on Hybrid Raman and Brillouin Scattering Employing Multiwavelength Fabry-Perot Lasers. IEEE Photonics Technology Letters, 2009, 21, 1523-1525. | 2.5 | 27 |
| 150 | Distributed strain and temperature sensing over 50 km of SMF with 1 m spatial resolution employing BOTDA and optical pulse coding. , 2009, , . | | 2 |
| 151 | Use of Fabry-Perot lasers for simultaneous distributed strain and temperature sensing based on hybrid Raman and Brillouin scattering. Proceedings of SPIE, 2009, , . | 0.8 | 0 |
| 152 | Performance improvement in Brillouin-based simultaneous strain and temperature sensors employing pulse coding in coherent detection schemes. , 2009, , . | | 0 |
| 153 | 30-km spontaneous-Brillouin distributed temperature sensor employing Simplex-coding and low optical input power. , 2008, , . | | 3 |
| 154 | Analysis of optical pulse coding in spontaneous Brillouin-based distributed temperature sensors. Optics Express, 2008, 16, 19097. | 3.4 | 65 |
| 155 | Brillouin-Based Distributed Temperature Sensor Employing Pulse Coding. IEEE Sensors Journal, 2008, 8, 225-226. | 4.7 | 50 |
| 156 | Optical pulse coding applied to distributed temperature sensor using coherent detection of spontaneous Brillouin frequency shift. , 2008, , . | | 0 |
| 157 | Impairments in Gain-Equalized Distributed Fiber Raman Amplifiers due to Four-Wave Mixing and Parametric Amplification Processes. AIP Conference Proceedings, 2008, , . | 0.4 | 0 |
| 158 | Redistribution of pump power and impairments in gain-equalized distributed fiber Raman amplifiers due to four-wave mixing and parametric amplification. Journal of Optics, 2008, 10, 104004. | 1.5 | 1 |
| 159 | Analysis of Brillouin-Based Distributed Fiber Sensors Using Optical Pulse Coding. , 2008, , . | | 3 |
| 160 | Analysis of distributed temperature sensing based on Raman scattering using OTDR coding and discrete Raman amplification. Measurement Science and Technology, 2007, 18, 3211-3218. | 2.6 | 97 |
| 161 | High performance and highly reliable Raman-based distributed temperature sensors based on correlation-coded OTDR and multimode graded-index fibers. Proceedings of SPIE, 2007, , . | 0.8 | 16 |
| 162 | Distributed temperature sensor system based on Raman scattering using correlation-codes. Electronics Letters, 2007, 43, 862. | 1.0 | 41 |

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| 163 | Four wave mixing effects in gain-equalized distributed fiber raman amplifiers. , 2007, , . | | 3 |