List of Publications by Year in descending order

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<u>Luc Τμà Ονενα</u>ζ

#	Article	IF	CITATIONS
1	Large evanescently-induced Brillouin scattering at the surrounding of a nanofibre. Nature Communications, 2022, 13, 1432.	5.8	6
2	Enhanced Signal-Associated Noise in a φ-OTDR System. IEEE Access, 2022, 10, 44974-44981.	2.6	0
3	Distributed measurement of mode group effective refractive index difference in a few mode optical fibers. Optics Express, 2022, 30, 17164.	1.7	2
4	Historical perspective and basic principles. Semiconductors and Semimetals, 2022, , 1-25.	0.4	0
5	SBS-based fiber sensors. Semiconductors and Semimetals, 2022, , 1-52.	0.4	1
6	Distributed Temperature Sensing Based on φ-OTDR Using Back-reflection-enhanced Fiber. , 2021, , .		1
7	Distributed optomechanical fiber sensing based on serrodyne analysis. Optica, 2021, 8, 388.	4.8	30
8	Long-distance distributed pressure sensing based on frequency-scanned phase-sensitive optical time-domain reflectometry. Optics Express, 2021, 29, 20487.	1.7	15
9	Impact of optical noises on unipolar-coded Brillouin optical time-domain analyzers. Optics Express, 2021, 29, 22146.	1.7	12
10	Fast Hotspot Detection in SFCLs by Exploiting Strain Response in Optical Fiber Sensing. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	5
11	Evaluating measurement uncertainty in Brillouin distributed optical fibre sensors using image denoising. Nature Communications, 2021, 12, 4901.	5.8	8
12	Giant Brillouin Amplification in Gas Using Hollow-core Fiber. , 2021, , .		0
13	Genetic-Optimized Pulse Coding Technique for Brillouin Distributed Optical Fiber Sensing. , 2021, , .		0
14	Determination of the Measurement Accuracy of a Phase-sensitive OTDR. , 2021, , .		1
15	Impact of optical noises on coded Brillouin optical time-domain analyzers. , 2021, , .		0
16	Reaching mK-scale stability in CP-É _, OTDR over daily measurements. , 2021, , .		0
17	Opto-mechanical cross-talk reduction in air-holes multicore fibers. , 2021, , .		0
18	Waveguide and Gas: the Advent of a New Tool for Photonics. , 2021, , .		0

18 Waveguide and Gas: the Advent of a New Tool for Photonics. , 2021, , .

2

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19	On the measurement accuracy of coherent Rayleigh-based distributed sensors. Optics Express, 2021, 29, 42538.	1.7	9
20	High spatial resolution distributed and dynamic strain sensing using direct detection. , 2021, , .		0
21	Intermodal measurements in few-mode fibers with phase- sensitive OTDR. , 2021, , .		0
22	Spontaneous Brillouin Scattering in Gas-filled Anti-resonant Fibre. , 2021, , .		0
23	Observation of Stimulated Brillouin Scattering in Silicon Nitride Integrated Waveguides. Physical Review Letters, 2020, 124, 013902.	2.9	67
24	Genetic-optimised aperiodic code for distributed optical fibre sensors. Nature Communications, 2020, 11, 5774.	5.8	56
25	Intense Brillouin amplification in gas using hollow-core waveguides. Nature Photonics, 2020, 14, 700-708.	15.6	54
26	Frequency scanned phase sensitive optical time-domain reflectometry interrogation in multimode optical fibers. APL Photonics, 2020, 5, .	3.0	9
27	Spectral Properties of the Signal in Phase-Sensitive Optical Time-Domain Reflectometry With Direct Detection. Journal of Lightwave Technology, 2020, 38, 1513-1521.	2.7	18
28	On the 2D Post-Processing of Brillouin Optical Time-Domain Analysis. Journal of Lightwave Technology, 2020, 38, 3723-3736.	2.7	22
29	Optical fibre sensing for fast hotspot detection in SFCLs. Superconductor Science and Technology, 2020, 33, 115003.	1.8	9
30	Study on the signal-to-noise ratio of Brillouin optical-time domain analyzers. Optics Express, 2020, 28, 19864.	1.7	28
31	Distributed and dynamic strain sensing with high spatial resolution and large measurable strain range. Optics Letters, 2020, 45, 5020.	1.7	20
32	Nanophotonic supercontinuum-based mid-infrared dual-comb spectroscopy. Optica, 2020, 7, 1181.	4.8	43
33	Giant Brillouin Amplification in Gases. Optics and Photonics News, 2020, 31, 33.	0.4	1
34	Short spatial resolution retrieval from a long pulse Brillouin optical time-domain analysis trace. Optics Letters, 2020, 45, 4152.	1.7	12
35	Analysis and Reduction of Large Errors in Rayleigh-Based Distributed Sensor. Journal of Lightwave Technology, 2019, 37, 4710-4719.	2.7	34
36	Distributed Hydrostatic Pressure Measurement Using Phase-OTDR in a Highly Birefringent Photonic Crystal Fiber. Journal of Lightwave Technology, 2019, 37, 4496-4500.	2.7	25

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37	Nanophotonic Supercontinuum-Based Mid-Infrared Dual-Comb Spectroscopy. , 2019, , .		0
38	Distributed forward stimulated Brillouin scattering measurement using broadband BOTDR. , 2019, , .		11
39	High spatial resolution and intrinsically strain-insensitive distributed temperature sensing based on stimulated Brillouin scattering in gas. , 2019, , .		1
40	High-resolution distributed shape sensing using phase-sensitive optical time-domain reflectometry and multicore fibers. Optics Express, 2019, 27, 20763.	1.7	27
41	Fiber Bragg grating-based thermometer for drill bit temperature monitoring. Applied Optics, 2019, 58, 5924.	0.9	3
42	Large stimulated Brillouin scattering amplification in gases. , 2019, , .		0
43	Optimizing the signal-to-noise ratio for direct-detection BOTDA. , 2019, , .		1
44	Short spatial resolutions retrieval from a long pulse BOTDA trace. , 2019, , .		1
45	Performance analysis of the differential pulse-width pair Brillouin optical time domain analysis using the log normalized and linearly normalized gain. , 2019, , .		0
46	Brillouin Distributed Optical Fiber Sensor Based on a Closed-Loop Configuration. Journal of Lightwave Technology, 2018, 36, 1239-1248.	2.7	29
47	Optimizing Image Denoising for Long-Range Brillouin Distributed Fiber Sensing. Journal of Lightwave Technology, 2018, 36, 1168-1177.	2.7	40
48	Exploring the Use of Native Spider Silk as an Optical Fiber for Chemical Sensing. Journal of Lightwave Technology, 2018, 36, 1138-1144.	2.7	52
49	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.	2.7	31
50	Distributed hydrostatic pressure measurement using phase-OTDR in a highly birefringent photonic crystal fibre. , 2018, , .		0
51	Hybrid Coding Scheme for Brillouin Optical Time-domain Analysis Based on Golay and Differential Pulses. , 2018, , .		1
52	Design rules for Unipolar Unicolor Coded Brillouin Optical Time Domain Analysis. , 2018, , .		0
53	Polyimide Coated Fiber as Optomechanical Sensor. , 2018, , .		0
54	Distributed Acoustic Impedance Measurement Based On Forward Stimulated Brillouin Scattering. , 2018, , .		0

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55	High Signal-to-Noise Ratio Stimulated Brillouin Scattering Gain Spectrum Measurement. , 2018, , .		5
56	Rayleigh-Based Distributed Optical Fiber Sensing Using Least Mean Square Similarity. , 2018, , .		5
57	Impact of Fitting and Digital Filtering on Signal-to-Noise Ratio and Brillouin Frequency Shift Uncertainty of BOTDA Measurements. , 2018, , .		6
58	Hybrid Colay-coded Brillouin optical time-domain analysis based on differential pulses. Optics Letters, 2018, 43, 4574.	1.7	15
59	Fully distributed pressure sensing with ultra-high-sensitivity using side-hole fibers. , 2018, , .		4
60	Distributed forward Brillouin sensor based on local light phase recovery. Nature Communications, 2018, 9, 2990.	5.8	116
61	Performance analysis of frequency shift estimation techniques in Brillouin distributed fiber sensors. Optics Express, 2018, 26, 14661.	1.7	39
62	Design rules for optimizing unipolar coded Brillouin optical time-domain analyzers. Optics Express, 2018, 26, 16505.	1.7	39
63	Local activation of surface and hybrid acoustic waves in optical microwires. Optics Letters, 2018, 43, 1487.	1.7	10
64	Forward Brillouin scattering acoustic impedance sensor using thin polyimide-coated fiber. Optics Letters, 2018, 43, 5467.	1.7	50
65	Boosting the performance of distributed optical fiber sensors based on adaptive decoder. , 2018, , .		3
66	High-Resolution Distributed Differential Curvature Measurement Based on Phase-Sensitive Optical Time Domain Reflectometry and Multi-Core Fiber. , 2018, , .		0
67	Temperature sensitivity enhancement in a standard optical fiber with double coatings at low temperature. , 2017, , .		2
68	Discrimination of temperature and strain by combined refractive index and birefringence measurements using coherent Rayleigh sensing. , 2017, , .		0
69	Image and video denoising for distributed optical fibre sensors. Proceedings of SPIE, 2017, , .	0.8	7
70	Frequency-domain technique to measure the inertial response of forward stimulated Brillouin scattering for acoustic impedance sensing. Proceedings of SPIE, 2017, , .	0.8	15
71	Highly sensitive distributed birefringence measurements based on a two-pulse interrogation of a dynamic Brillouin grating. , 2017, , .		1
72	Analytical expression and experimental validation of the Brillouin gain spectral broadening at any sensing spatial resolution. Proceedings of SPIE, 2017, , .	0.8	16

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73	Polarisation pulling in Brillouin optical time-domain analysers. , 2017, , .		5
74	All-fiber versatile laser frequency reference at 2Âl¼m for CO2 space-borne lidar applications. CEAS Space Journal, 2017, 9, 493-505.	1.1	3
75	Closed-loop Controlled Brillouin Optical Time-Domain Analysis. , 2017, , .		0
76	Temperature-strain discrimination in distributed optical fiber sensing using phase-sensitive optical time-domain reflectometry. Optics Express, 2017, 25, 16059.	1.7	66
77	Resolving 1 million sensing points in an optimized differential time-domain Brillouin sensor. Optics Letters, 2017, 42, 1903.	1.7	36
78	Distributed photothermal spectroscopy in microstructured optical fibers: towards high-resolution mapping of gas presence over long distances. Optics Express, 2017, 25, 1789.	1.7	23
79	All-fiber molecular frequency reference at 2 μm based on a versatile laser modulation sideband locking and a hollow-core fiber gas cell. , 2017, , .		0
80	All-optical flip-flops based on dynamic Brillouin gratings in fibers. Optics Letters, 2017, 42, 2539.	1.7	10
81	Brillouin scattering effect in the multicore optical fiber applied to fiber optic shape sensing. , 2017, , .		0
82	Optimization of Detection Schemes in BOTDA. , 2016, , .		3
83	Distributed shape sensing using Brillouin scattering in multi-core fibers. Optics Express, 2016, 24, 25211.	1.7	147
84	Characterisation of an electrical heating method for metallic-coated optical fibres for distributed sensing applications. Proceedings of SPIE, 2016, , .	0.8	0
85	Intensifying the response of distributed optical fibre sensors using 2D and 3D image restoration. Nature Communications, 2016, 7, 10870.	5.8	229
86	Compact fibre Bragg grating-based thermometer for on-line temperature monitoring of drill bits. Proceedings of SPIE, 2016, , .	0.8	1
87	Optimal detection bandwidth for phase-sensitive optical time-domain reflectometry. Proceedings of SPIE, 2016, , .	0.8	4
88	Evaluation of the accuracy of BOTDA systems based on the phase spectral response. Optics Express, 2016, 24, 17200.	1.7	31
89	Increasing robustness of bipolar pulse coding in Brillouin distributed fiber sensors. Optics Express, 2016, 24, 586.	1.7	35
90	Weaving our way towards a new generation of fibre-optic chemical sensors based on spider silk. ,		1

2016, , .

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91	Going beyond 1000000 resolved points in a Brillouin distributed fiber sensor: theoretical analysis and experimental demonstration. Light: Science and Applications, 2016, 5, e16074-e16074.	7.7	140
92	Reaching millikelvin resolution in Raman distributed temperature sensing using image processing. Proceedings of SPIE, 2016, , .	0.8	7
93	Sub-metric spatial resolution over an extended range using differential time-domain Brillouin sensing. Proceedings of SPIE, 2016, , .	0.8	1
94	Novel technique for distributed fibre sensing based on coherent Rayleigh scattering measurements of birefringence. Proceedings of SPIE, 2016, , .	0.8	1
95	Novel scanning method for distortion-free BOTDA measurements. Optics Express, 2016, 24, 10188.	1.7	50
96	Gain vs phase in BOTDA setups. Proceedings of SPIE, 2016, , .	0.8	1
97	Curvature and shape distributed sensing using Brillouin scattering in multi-core fibers. , 2016, , .		9
98	Overcoming high-resolution limitations in optimized long-range BOTDA sensors. , 2016, , .		0
99	Novel Concepts and Recent Progress in Distributed Optical Fiber Sensing. , 2016, , .		0
100	200 km Fiber-Loop Conventional Brillouin Distributed Sensor with 2m Spatial Resolution Using Image Denoising. , 2016, , .		1
101	Analytical model and experimental verification of the critical power for modulation instability in optical fibers. Optics Express, 2015, 23, 29514.	1.7	114
102	Shedding light on the optical properties of spider silk fiber. , 2015, , .		6
103	200 km fiber-loop Brillouin distributed fiber sensor using bipolar Golay codes and a three-tone probe. Proceedings of SPIE, 2015, , .	0.8	2
104	Brillouin distributed fiber sensing at ultra-high spatial resolution. , 2015, , .		1
105	Performance limit of two-pump brillouin fiber sensors obtained by Manakov Modulation Instability. , 2015, , .		2
106	Slow light in optical fibers: State-of-the-art and perspectives 10 years after the first demonstration. , 2015, , .		0
107	Differential chirped-pulse pair for sub-meter spatial resolution Brillouin distributed fiber sensing. , 2015, , .		0
108	Mitigation of modulation instability in Brillouin distributed fiber sensors by using orthogonal		6

polarization pulses. , 2015, , .

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109	Good vibrations for light. Nature Photonics, 2015, 9, 144-146.	15.6	3
110	Spider silk: a novel optical fibre for biochemical sensing. Proceedings of SPIE, 2015, , .	0.8	9
111	Distributed phase birefringence measurements based on polarization correlation in phase-sensitive optical time-domain reflectometers. Optics Express, 2015, 23, 24923.	1.7	69
112	Sources of noise in Brillouin optical time-domain analyzers. , 2015, , .		10
113	Intensifying Brillouin distributed fibre sensors using image processing. , 2015, , .		7
114	Reaching the ultimate performance limit given by non-local effects in BOTDA sensors. , 2015, , .		1
115	Mapping the Uniformity of Optical Microwires Using Phase-Correlation Brillouin Distributed Measurements. , 2015, , .		1
116	Weak fiber Bragg grating cascade sensor interrogation using microwave photonic filtering techniques. , 2014, , .		3
117	The Making of a Good Brillouin Distributed Fiber Sensor. , 2014, , .		1
118	Distributed Measurement of Signal Power Evolution in a Phase Sensitive Parametric Amplifier. , 2014, , .		0
119	Minimizing distortion and enlarging group delay in Brillouin slow light systems by gain profile optimization. , 2014, , .		2
120	Brillouin distributed fiber sensors: Practical limitations and guidelines for the making of a good sensor. , 2014, , .		2
121	Power evolution along phase-sensitive parametric amplifiers: an experimental survey. Optics Letters, 2014, 39, 6114.	1.7	4
122	Enhanced response in Brillouin distributed optical fibre sensors by simultaneous time and frequency pump multiplexing. Proceedings of SPIE, 2014, , .	0.8	1
123	Towards 1'000'000 resolved points in a distributed optical fibre sensor. , 2014, , .		10
124	Novel technique for distributed fibre sensing based on faint long gratings (FLOGs). Proceedings of SPIE, 2014, , .	0.8	9
125	1'000'000 resolved points along a Brillouin distributed fibre sensor. , 2014, , .		9
126	MilliKelvin resolution in cryogenic temperature distributed fibre sensing based on coherent Rayleigh		8

scattering. , 2014, , .

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127	Time and frequency pump-probe multiplexing to enhance the signal response of Brillouin optical time-domain analyzers. Optics Express, 2014, 22, 28584.	1.7	34
128	Going beyond limits in Brillouin distributed fibre sensors: Challenges and possible approaches. , 2014, , .		0
129	Extending the sensing range of Brillouin optical time-domain analysis up to 325 km combining four optical repeaters. Proceedings of SPIE, 2014, , .	0.8	18
130	Next generation of optical fibre sensors: new concepts and perspectives. Proceedings of SPIE, 2014, , .	0.8	1
131	Distributed birefringence measurements using polarisation correlation in phase-sensitive OTDR. , 2014, , .		О
132	Modelling the depletion length induced by modulation instability in distributed optical fibre sensors. , 2014, , .		8
133	Microwave photonics filtering technique for interrogating long weak fiber Bragg grating sensors. , 2014, , .		Ο
134	Extending the Real Remoteness of Long-Range Brillouin Optical Time-Domain Fiber Analyzers. Journal of Lightwave Technology, 2014, 32, 152-162.	2.7	149
135	Long Weak FBG Sensor Interrogation Using Microwave Photonics Filtering Technique. IEEE Photonics Technology Letters, 2014, 26, 2039-2042.	1.3	29
136	Towards highest spectral efficiency: Optical sinc-shaped Nyquist pulses generation from rectangular frequency comb. , 2014, , .		0
137	Effect of Dispersion Fluctuations on Longitudinal Gain Evolution in Phase-Sensitive Parametric Amplifiers. , 2014, , .		0
138	Optical sinc-shaped Nyquist pulses of exceptional quality. Nature Communications, 2013, 4, 2898.	5.8	195
139	MEMS Tunable Asymmetric Fabry–Perot Cavity for High-Precision Weighing of Macro Samples. Journal of Microelectromechanical Systems, 2013, 22, 884-891.	1.7	4
140	Application of Brillouin-Based Continuously Tunable Optical Delay Line to Contention Resolution Between Asynchronous Optical Packets. Journal of Lightwave Technology, 2013, 31, 2888-2896.	2.7	7
141	Time-frequency analysis of long fiber Bragg gratings with low reflectivity. Optics Express, 2013, 21, 7171.	1.7	21
142	Mapping Dispersion Fluctuations along Optical Fibers Using Brillouin Probing and a Fast Analytic Calculation. , 2013, , .		0
143	Bipolar optical pulse coding for performance enhancement in BOTDA sensors. Optics Express, 2013, 21, 16390.	1.7	123
144	All-optical signal processing using dynamic Brillouin gratings. Scientific Reports, 2013, 3, 1594.	1.6	96

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145	Modeling and evaluating the performance of Brillouin distributed optical fiber sensors. Optics Express, 2013, 21, 31347.	1.7	400
146	Effect of pulse depletion in a Brillouin optical time-domain analysis system. Optics Express, 2013, 21, 14017.	1.7	162
147	Highly sensitive dispersion map extraction from highly nonlinear fibers using BOTDA probing of parametric amplification. , 2013, , .		1
148	Long fiber Bragg grating sensor interrogation using discrete-time microwave photonic filtering techniques. Optics Express, 2013, 21, 28175.	1.7	56
149	Time gated phase-correlation distributed Brillouin fibre sensor. , 2013, , .		12
150	Brillouin distributed fibre sensing using phase modulated probe. Proceedings of SPIE, 2013, , .	0.8	8
151	Colour simplex coding for brillouin distributed sensors. , 2013, , .		14
152	Mitigating modulation instability in Brillouin distributed fibre sensors. Proceedings of SPIE, 2013, , .	0.8	11
153	Generation of Nyquist sinc pulses using intensity modulators. , 2013, , .		24
154	Optical sinc-shaped Nyquist pulses with very low roll-off generated from a rectangular frequency comb. , 2013, , .		4
155	Advanced Pulse Coding Techniques for Distributed Optical Fiber Sensors. , 2013, , .		0
156	Probing molecular absorption under slow-light propagation using a photonic crystal waveguide. Optics Letters, 2012, 37, 4934.	1.7	24
157	Variable delay using stationary and localized Brillouin dynamic gratings. , 2012, , .		5
158	Brillouin optical time-domain analysis over a 240 km-long fiber loop with no repeater. , 2012, , .		6
159	Analytical expression of pulse broadening in an arbitrary linear slow light medium. Optics Letters, 2012, 37, 3171.	1.7	6
160	Tunable and reconfigurable multi-tap microwave photonic filter based on dynamic Brillouin gratings in fibers. Optics Express, 2012, 20, 6157.	1.7	88
161	Localized and stationary dynamic gratings via stimulated Brillouin scattering with phase modulated pumps. Optics Express, 2012, 20, 7807.	1.7	123
162	Opto-acoustic coupling and Brillouin phenomena in microstructure optical fibers. , 2012, , .		0

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163	Time/frequency coding for Brillouin distributed sensors. Proceedings of SPIE, 2012, , .	0.8	13
164	Probing molecular absorption under slow light propagation using a photonic crystal waveguide. , 2012, , .		0
165	Bipolar pulse coding for enhanced performance in Brillouin distributed optical fiber sensors. Proceedings of SPIE, 2012, , .	0.8	2
166	High-resolution Brillouin fiber sensing using random phase coding of the pump and probe waves. Proceedings of SPIE, 2012, , .	0.8	0
167	Rating the performance of a Brillouin distributed fiber sensor. Proceedings of SPIE, 2012, , .	0.8	3
168	Brillouin distributed sensing using localized and stationary dynamic gratings. Proceedings of SPIE, 2012, , .	0.8	1
169	Enhancing the light-matter interaction using slow light: towards the concept of dense light. Proceedings of SPIE, 2012, , .	0.8	7
170	Kerr effect in structured superluminal media. Proceedings of SPIE, 2012, , .	0.8	0
171	Recent implementations of fiber and integrated tunable microwave photonics filters. , 2012, , .		0
172	Differential Phase-Shift-Keying Technique-Based Brillouin Echo-Distributed Sensing. IEEE Photonics Technology Letters, 2012, 24, 79-81.	1.3	15
173	All-optical storage and processing in optical fibers. , 2012, , .		0
174	Double-pulse Brillouin distributed optical fiber sensors: analytical model and experimental validation. , 2012, , .		7
175	Long Variable Delay and Distributed Sensing Using Stationary and Localized Brillouin Dynamic Gratings. , 2012, , .		3
176	Sub-Centimeter Spatial Resolution in Distributed Fiber Sensing Based on Dynamic Brillouin Grating in Optical Fibers. IEEE Sensors Journal, 2012, 12, 189-194.	2.4	54
177	Tunable photonic delay lines in optical fibers. Laser and Photonics Reviews, 2012, 6, 724-738.	4.4	49
178	Randomâ€access distributed fiber sensing. Laser and Photonics Reviews, 2012, 6, L1.	4.4	131
179	Raman-Assisted Brillouin Distributed Temperature Sensor Over 100 km Featuring 2 m Resolution and 1.2 \$^{circ}\$C Uncertainty. Journal of Lightwave Technology, 2012, 30, 1060-1065.	2.7	84

Dynamic Brillouin gratings: A new tool in fibers for all-optical signal processing. , 2011, , .

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181	Raman-assisted BOTDA sensors. , 2011, , .		Ο
182	Slow light fiber systems in microwave photonics. Proceedings of SPIE, 2011, , .	0.8	4
183	Distributed Brillouin sensing with sub-meter spatial resolution: modeling and processing. Optics Express, 2011, 19, 7381.	1.7	141
184	On-chip stimulated Brillouin scattering. Optics Express, 2011, 19, 8285.	1.7	306
185	Dual-pump push-pull polarization control using stimulated Brillouin scattering. Optics Express, 2011, 19, 25873.	1.7	37
186	Detrimental effect of self-phase modulation on the performance of Brillouin distributed fiber sensors. Optics Letters, 2011, 36, 97.	1.7	44
187	Multi-wavelength generation based on Brillouin enhanced four-wave mixing in optical fibers. , 2011, , .		1
188	Polarization pulling based on stimulated Brillouin scattering in a dual-pump configuration. , 2011, , .		0
189	Polarization attributes of stimulated Brillouin scattering slow light in fiber. Proceedings of SPIE, 2011, , .	0.8	2
190	Depletion in a distributed Brillouin fiber sensor: practical limitation and strategy to avoid it. , 2011, , .		4
191	Pulse distortion in linear slow light systems: theoretical limits and compensation strategies. , 2011, , .		1
192	Hot spot detection over 100 km with 2 meter resolution in a Raman-assisted Brillouin distributed sensor. , 2011, , .		2
193	Impact of Raman scattering and modulation instability on the performances of Brillouin sensors. Proceedings of SPIE, 2011, , .	0.8	42
194	Impact of pump depletion on the determination of the Brillouin gain frequency in distributed fiber sensors. Proceedings of SPIE, 2011, , .	0.8	18
195	Ultra-long range distributed fibre sensing using virtually transparent propagation. , $2011,$, .		1
196	All-Optical Self-Synchronizing Scheme for Contention Resolution in Asynchronous Optical Packet Switched Networks Using Continuously Tunable Optical Delay Line. , 2011, , .		3
197	Brillouin echo-distributed sensing based on differential phase-shift keying technique. , 2011, , .		0
198	High Spatial and Spectral Resolution Long-Range Sensing Using Brillouin Echoes. , 2011, , .		0

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199	Simplified Brillouin fiber slow light systems in loss regime using step current modulation. , 2011, , .		0
200	On-chip stimulated Brillouin scattering. , 2011, , .		9
201	Recent progress towards centimetric spatial resolution in distributed fibre sensing. Proceedings of SPIE, 2010, , .	0.8	4
202	Measurement with 2m resolution using a Raman-assisted BOTDA sensor featuring 75km dynamic range. , 2010, , .		0
203	Ultra wide range tunable delay line using dynamic grating reflectors in optical fibers. , 2010, , .		6
204	Optimized conditions for gas light interaction in photonic crystal fibres. Proceedings of SPIE, 2010, , .	0.8	2
205	Brillouin distributed time-domain sensing in optical fibers: state of the art and perspectives. Frontiers of Optoelectronics in China, 2010, 3, 13-21.	0.2	98
206	Advanced Brillouin-based distributed optical fibre sensors with sub-meter scale spatial resolution. , 2010, , .		2
207	Photonic delay line for broadband optical signals, based on dynamic grating reflectors in fibers. , 2010, , .		4
208	On-chip stimulated Brillouin scattering. , 2010, , .		1
209	Recent advancement of slow light in microwave photonics applications. , 2010, , .		0
210	Dynamic Microwave Photonic Filter Using Separate Carrier Tuning Based on Stimulated Brillouin Scattering in Fibers. IEEE Photonics Technology Letters, 2010, 22, 1753-1755.	1.3	45
211	Analytical modeling of the gas-filling dynamics in photonic crystal fibers. Applied Optics, 2010, 49, 4604.	2.1	26
212	"Slow Light―in stimulated Brillouin scattering: on the influence of the spectral width of pump radiation on the group index: Comment. Optics Express, 2010, 18, 8053.	1.7	0
213	High spatial resolution distributed sensing in optical fibers by Brillouin gain-profile tracing. Optics Express, 2010, 18, 8671.	1.7	66
214	Brillouin optical time-domain analysis assisted by second-order Raman amplification. Optics Express, 2010, 18, 18769.	1.7	104
215	Photonic crystal fiber mapping using Brillouin echoes distributed sensing. Optics Express, 2010, 18, 20136.	1.7	21
216	Broadband true time delay for microwave signal processing, using slow light based on stimulated Brillouin scattering in optical fibers. Optics Express, 2010, 18, 22599.	1.7	115

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217	Simplex-coded BOTDA fiber sensor with 1 m spatial resolution over a 50 km range. Optics Letters, 2010, 35, 259.	1.7	284
218	Time-Domain Distributed Fiber Sensor With 1 cm Spatial Resolution Based on Brillouin Dynamic Grating. Journal of Lightwave Technology, 2010, 28, 2062-2067.	2.7	116
219	Distributed Brillouin Fiber Sensor Assisted by First-Order Raman Amplification. Journal of Lightwave Technology, 2010, 28, 2162-2172.	2.7	124
220	High Spatial and Spectral Resolution Long-Range Sensing Using Brillouin Echoes. Journal of Lightwave Technology, 2010, 28, 2993-3003.	2.7	216
221	Long-range Brillouin optical time-domain analysis sensor employing pulse coding techniques. Measurement Science and Technology, 2010, 21, 094024.	1.4	47
222	Effect of inhomogeneities on backward and forward Brillouin scattering in photonic crystal fibers. Proceedings of SPIE, 2010, , .	0.8	1
223	Impact of self phase modulation on the performance of Brillouin distributed fibre sensors. Proceedings of SPIE, 2010, , .	0.8	4
224	Observation of brillouin linewidth broadening and decay time in photonic crystal fiber. , 2010, , .		0
225	Experimental observation of Brillouin linewidth broadening and decay time in photonic crystal fiber. , 2010, , .		1
226	True Time Delay on tunable Microwave Photonic Filter based on Stimulated Brillouin Scattering in fibers. , 2010, , .		1
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