

Ruben Ruiz-Lombera

List of Publications by Year in descending order

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g-index

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all docs

30
docs citations

30
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposal of Brillouin optical frequency-domain reflectometry (BOFDR). Optics Express, 2016, 24, 29994.	3.4	72
2	Overcoming Nonlocal Effects and Brillouin Threshold Limitations in Brillouin Optical Time-Domain Sensors. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	48
3	Simultaneous Temperature and Strain Discrimination in a Conventional BOTDA via Artificial Neural Networks. Journal of Lightwave Technology, 2018, 36, 2114-2121.	4.6	38
4	Ultrahigh Temperature Raman-Based Distributed Optical Fiber Sensor With Gold-Coated Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 296-301.	2.9	22
5	Defect detection with CCD-spectrometer and photodiode-based arc-welding monitoring systems. Journal of Materials Processing Technology, 2011, 211, 2132-2139.	6.3	20
6	Distributed High-Temperature Optical Fiber Sensor Based on a Brillouin Optical Time Domain Analyzer and Multimode Gold-Coated Fiber. IEEE Sensors Journal, 2017, 17, 2393-2397.	4.7	15
7	Colorimetric Analysis for On-Line Arc-Welding Diagnostics by Means of Plasma Optical Spectroscopy. IEEE Sensors Journal, 2016, 16, 3465-3471.	4.7	12
8	Structural Damage Identification in an Aluminum Composite Plate by Brillouin Sensing. IEEE Sensors Journal, 2015, 15, 659-660.	4.7	11
9	Virtual FBGs Using Saturable Absorbers for Sensing with Fiber Lasers. Sensors, 2018, 18, 3593.	3.8	9
10	Fiber Bragg grating sensors for on-line welding diagnostics. Journal of Materials Processing Technology, 2014, 214, 839-843.	6.3	8
11	Feasibility study of Hierarchical Temporal Memories applied to welding diagnostics. Sensors and Actuators A: Physical, 2013, 204, 58-66.	4.1	7
12	A Microwave Polarimeter Demonstrator for Astronomy with Near-Infra-Red Up-Conversion for Optical Correlation and Detection. Sensors, 2019, 19, 1870.	3.8	7
13	Automatic strain detection in a Brillouin Optical Time Domain sensor using Principal Component Analysis and Artificial Neural Networks. , 2014, , .		6
14	Experimental demonstration of a leakage monitoring system for large diameter water pipes using a fiber optic distributed sensor system. , 2014, , .		4
15	Electro-optic correlator for large-format microwave interferometry: Up-conversion and correlation stages performance analysis. Review of Scientific Instruments, 2017, 88, 044702.	1.3	4
16	Reflection-based fiber specklegram sensor. Proceedings of SPIE, 2016, , .	0.8	3
17	Fiber Bragg grating sensors for on-line welding diagnostics. Proceedings of SPIE, 2013, , .	0.8	2
18	Brillouin frequency shift estimation in BOTDA via subpixel processing. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Feasibility study of strain and temperature discrimination in a BOTDA system via artificial neural networks. , 2017, , .		2
20	Experimental demonstration of a Brillouin optical frequency-domain reflectometry (BOFDR) sensor. , 2017, , .		2
21	Colorimetric analysis for on-line arc-welding diagnostics by means of plasma optical spectroscopy. , 2014, , .		1
22	High-temperature distributed sensor system via BOTDA and multimode gold-coated fiber. , 2016, , .		1
23	Feasibility Study of a Fiber Ring Laser Working on the SLM Regime in a BOTDA Sensor. IEEE Sensors Journal, 2018, 18, 4947-4953.	4.7	1
24	Ultra-high temperature distributed sensor based on Raman and multimode gold-coated fiber. , 2016, , .		1
25	High-temperature distributed sensor based on Raman and multimode standard telecom fiber. , 2016, , .		1
26	Species discrimination in plasma welding spectra by means of principal and independent component analysis. , 2014, , .		0
27	Overcoming non-local effects and Brillouin threshold limitations in Brillouin distributed sensors. , 2015, , .		0
28	Influence of saturable absorbers on fiber ring laser sensors. Proceedings of SPIE, 2017, , .	0.8	0
29	Brillouin optical time-domain analyzer with a fiber ring laser working on the SLM regime. , 2017, , .		0
30	Single longitudinal mode fiber ring laser. Optics and Laser Technology, 2018, 107, 361-365.	4.6	0