Mikel Bravo Acha

List of Publications by Year
in descending order

42 papers	554 citations	687363 13 h-index	642732 23 g-index
42 all docs	42 docs citations	42 times ranked	473 citing authors

#	Article	IF	Citations
1	Multiparameter Sensor Based on a Multi-Interferometric Serial Configuration For Temperature and Strain Measurements. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-4.	2.9	8
2	Multiplexing optical fiber Fabry-Perot interferometers based on air-microcavities. , 2019, , .		4
3	Random fiber lasers: Application to fiber optic sensors networks. , 2017, , .		1
4	Random DFB Fiber Laser for Remote (200 km) Sensor Monitoring Using Hybrid WDM/TDM. Journal of Lightwave Technology, 2016, 34, 4430-4436.	4.6	35
5	Monitoring Multiple Hi-Bi Sensing Fibers in a Single Fiber Loop Mirror. Journal of Lightwave Technology, 2016, 34, 4543-4549.	4.6	6
6	High resolution polarization-independent high-birefringence fiber loop mirror sensor. Optics Express, 2015, 23, 30985.	3.4	16
7	Time and wavelength division multiplexing scheme for ultra-long sensing based on a cavity-modulated random DFB fiber laser. , 2015, , .		1
8	Fully Switchable Multi-Wavelength Fiber Lasers Based on Random Distributed Feedback for Sensors Interrogation. Journal of Lightwave Technology, 2015, 33, 2598-2604.	4.6	16
9	Real-Time FFT Analysis for Interferometric Sensors Multiplexing. Journal of Lightwave Technology, 2015, 33, 354-360.	4.6	39
10	Monitoring multiple interferometric sensors multiplexed in a single fiber loop mirror. Proceedings of SPIE, 2015, , .	0.8	1
11	Fully switchable multi-wavelength fiber laser based interrogator system for remote and versatile fiber optic sensors multiplexing structures. Proceedings of SPIE, 2014, , .	0.8	2
12	Reinforced concrete structural corrosion monitoring using Hi-Bi photonic crystal fibres in a fiber loop structure. Proceedings of SPIE, 2014, , .	0.8	3
13	Remote PCF-based sensors multiplexing by using optical addâ€“drop multiplexers. Optics and Laser Technology, 2014, 57, 9-11.	4.6	3
14	Fully switchable multiwavelength fiber laser assisted by a random mirror. Optics Letters, 2014, 39, 2020.	3.3	42
15	Novel Sensor Design Using Photonic Crystal Fibres for Monitoring the Onset of Corrosion in Reinforced Concrete Structures. Journal of Lightwave Technology, 2014, 32, 891-896.	4.6	17
16	Micro-Displacement Sensor Combined With a Fiber Ring Interrogated by an Optical Time-Domain Reflectometer. IEEE Sensors Journal, 2014, 14, 793-796.	4.7	10
17	An In-Reflection Strain Sensing Head Based on a Hi-Bi Photonic Crystal Fiber. Sensors, 2013, 13, 8095-8102.	3.8	13
18	Turning a low Q fiber resonator into a high-sensitivity displacement sensor using slow light concepts. Proceedings of SPIE, 2013, , .	0.8	0

#	Article	IF	Citations
19	Versatile all-fiber slow-light assisted sensor. , 2013, , .		0
20	Magnetic Field Sensor Based on Backscattered Intensity Using Ferrofluid. IEEE Photonics Technology Letters, 2013, 25, 1481-1484.	2.5	12
21	Ultra-Long Laser Systems for Remote Fiber Bragg Gratings Arrays Interrogation. IEEE Photonics Technology Letters, 2013, 25, 1362-1364.	2.5	36
22	Multiplexing of six micro-displacement suspended-core Sagnac interferometer sensors with a Raman-Erbium fiber laser. Optics Express, 2013, 21, 2971.	3.4	14
23	Internal modulation of a random fiber laser: erratum. Optics Letters, 2013, 38, 2850.	3.3	1
24	Application of Remote Power-by-Light Switching in a Simplified BOTDA Sensor Network. Sensors, 2013, 13, 17434-17444.	3.8	4
25	Remote fiber optic switch powered by light for robust interrogation of fiber Bragg grating sensor networks. Measurement Science and Technology, 2013, 24, 094021.	2.6	6
26	Slow-Light and Enhanced Sensitivity in a Displacement Sensor Using a Lossy Fiber-Based Ring Resonator. Journal of Lightwave Technology, 2013, 31, 3752-3757.	4.6	9
27	Internal modulation of a random fiber laser. Optics Letters, 2013, 38, 1542.	3.3	70
28	Fiber optic sensor networks based on OADM devices with a bus configuration. Proceedings of SPIE, 2013, , .	0.8	0
29	200-km long fiber ring laser for multiplexing fiber Bragg gratings arrays. Proceedings of SPIE, 2012, , .	0.8	4
30	High-sensitivity PCF sensing head for strain measurement. , 2012, , .		0
31	Hybrid OTDR-Fiber Laser System for Remote Sensor Multiplexing. IEEE Sensors Journal, 2012, 12, 174-178.	4.7	17
32	Remote resilient FBG multiplexing network controlled by a powered by light fiber optic switch. , 2012, , .		1
33	BOTDA sensor network with power by light remote switching. Proceedings of SPIE, 2012, , .	0.8	1
34	Wide range group delay tuning in lossy fiber ring resonators. Proceedings of SPIE, 2012, , .	0.8	0
35	High precision micro-displacement fiber sensor through a suspended-core Sagnac interferometer. Optics Letters, 2012, 37, 202.	3.3	84
36	Remote-Time Division Multiplexing of Bending Sensors Using a Broadband Light Source. Journal of Sensors, 2012, 2012, 1-6.	1.1	4

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37	Concrete Beam Bending Test Monitorization Using a High Strain Fiber Optic Sensor. Journal of Lightwave Technology, 2012, 30, 1085-1089.	4.6	11
38	New interrogation technique for multiplexing LPG-fiber loop mirrors based displacement sensors using an OTDR. , 2011, , .		1
39	Suspended-core fiber Sagnac combined dual-random mirror Raman fiber laser. Optics Express, 2011, 19, 11906.	3.4	33
40	Ultralong 250 km remote sensor system based on a fiber loop mirror interrogated by an optical time-domain reflectometer. Optics Letters, 2011, 36, 4059.	3.3	25
41	Fiber optic sensors for monitoring a concrete beam high strain bending test. Proceedings of SPIE, 2011, , .	0.8	1
42	Hybrid OTDR-fiber laser system for remote sensor multiplexing. , 2010, , .		3