

# Mikel Bravo Acha

## List of Publications by Year in descending order

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42  
papers

554  
citations

687363

13  
h-index

642732

23  
g-index

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all docs

42  
docs citations

42  
times ranked

473  
citing authors

#	ARTICLE	IF	CITATIONS
1	High precision micro-displacement fiber sensor through a suspended-core Sagnac interferometer. Optics Letters, 2012, 37, 202.	3.3	84
2	Internal modulation of a random fiber laser. Optics Letters, 2013, 38, 1542.	3.3	70
3	Fully switchable multiwavelength fiber laser assisted by a random mirror. Optics Letters, 2014, 39, 2020.	3.3	42
4	Real-Time FFT Analysis for Interferometric Sensors Multiplexing. Journal of Lightwave Technology, 2015, 33, 354-360.	4.6	39
5	Ultra-Long Laser Systems for Remote Fiber Bragg Gratings Arrays Interrogation. IEEE Photonics Technology Letters, 2013, 25, 1362-1364.	2.5	36
6	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
7	Suspended-core fiber Sagnac combined dual-random mirror Raman fiber laser. Optics Express, 2011, 19, 11906.	3.4	33
8	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
9	Hybrid OTDR-Fiber Laser System for Remote Sensor Multiplexing. IEEE Sensors Journal, 2012, 12, 174-178.	4.7	17
10	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
11	High resolution polarization-independent high-birefringence fiber loop mirror sensor. Optics Express, 2015, 23, 30985.	3.4	16
12	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
13	Multiplexing of six micro-displacement suspended-core Sagnac interferometer sensors with a Raman-Erbium fiber laser. Optics Express, 2013, 21, 2971.	3.4	14
14	An In-Reflection Strain Sensing Head Based on a Hi-Bi Photonic Crystal Fiber. Sensors, 2013, 13, 8095-8102.	3.8	13
15	Magnetic Field Sensor Based on Backscattered Intensity Using Ferrofluid. IEEE Photonics Technology Letters, 2013, 25, 1481-1484.	2.5	12
16	Concrete Beam Bending Test Monitorization Using a High Strain Fiber Optic Sensor. Journal of Lightwave Technology, 2012, 30, 1085-1089.	4.6	11
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Monitoring Multiple Hi-Bi Sensing Fibers in a Single Fiber Loop Mirror. Journal of Lightwave Technology, 2016, 34, 4543-4549.	4.6	6
22	200-km long fiber ring laser for multiplexing fiber Bragg gratings arrays. Proceedings of SPIE, 2012, , .	0.8	4
23	Remote-Time Division Multiplexing of Bending Sensors Using a Broadband Light Source. Journal of Sensors, 2012, 2012, 1-6.	1.1	4
24	Application of Remote Power-by-Light Switching in a Simplified BOTDA Sensor Network. Sensors, 2013, 13, 17434-17444.	3.8	4
25	Multiplexing optical fiber Fabry-Perot interferometers based on air-microcavities. , 2019, , .		4
26	Hybrid OTDR-fiber laser system for remote sensor multiplexing. , 2010, , .		3
27	Reinforced concrete structural corrosion monitoring using Hi-Bi photonic crystal fibres in a fiber loop structure. Proceedings of SPIE, 2014, , .	0.8	3
28	Remote PCF-based sensors multiplexing by using optical add-drop multiplexers. Optics and Laser Technology, 2014, 57, 9-11.	4.6	3
29	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
30	New interrogation technique for multiplexing LPG-fiber loop mirrors based displacement sensors using an OTDR. , 2011, , .		1
31	Fiber optic sensors for monitoring a concrete beam high strain bending test. Proceedings of SPIE, 2011, , .	0.8	1
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	Internal modulation of a random fiber laser: erratum. Optics Letters, 2013, 38, 2850.	3.3	1
35	Time and wavelength division multiplexing scheme for ultra-long sensing based on a cavity-modulated random DFB fiber laser. , 2015, , .		1
36	Monitoring multiple interferometric sensors multiplexed in a single fiber loop mirror. Proceedings of SPIE, 2015, , .	0.8	1

#	ARTICLE	IF	CITATIONS
37	Random fiber lasers: Application to fiber optic sensors networks. , 2017, , .		1
38	High-sensitivity PCF sensing head for strain measurement. , 2012, , .		0
39	Wide range group delay tuning in lossy fiber ring resonators. Proceedings of SPIE, 2012, , .	0.8	0
40	Turning a low Q fiber resonator into a high-sensitivity displacement sensor using slow light concepts. Proceedings of SPIE, 2013, , .	0.8	0
41	Versatile all-fiber slow-light assisted sensor. , 2013, , .		0
42	Fiber optic sensor networks based on OADM devices with a bus configuration. Proceedings of SPIE, 2013, , .	0.8	0