Cesar Elosua

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51 papers	1,076 citations	20 h-index	32 g-index
53 ext. papers	1,280 ext. citations	5 avg, IF	4.27 L-index

#	Paper	IF	Citations
51	Gamification for Photonics Students: Labescape. *Optics*, **2021**, 2, 228-235	1.1	
50	Trends in the Design of Intensity-Based Optical Fiber Biosensors (2010-2020). *Biosensors*, **2021**, 11,	5.9	2
49	Optical Fiber Sensors Based on Microstructured Optical Fibers to Detect Gases and Volatile Organic Compounds-A Review. *Sensors*, **2020**, 20,	3.8	8
48	Development of an Aptamer Based Luminescent Optical Fiber Sensor for the Continuous Monitoring of Hg in Aqueous Media. *Sensors*, **2020**, 20,	3.8	8
47	Straightforward nano patterning on optical fiber for sensors development. *Optics Letters*, **2020**, 45, 3877-3880		1
46	Optical devices **2020**, 143-160		1
45	Humidity, Gas, and Volatile Organic Compound Sensors **2020**, 367-398		
44	Fluorescent Sensors for the Detection of Heavy Metal Ions in Aqueous Media. *Sensors*, **2019**, 19,	3.8	102
43	Comparison between Different Structures of Suspended-Core Microstructured Optical Fibers for Volatiles Sensing. *Sensors*, **2018**, 18,	3.8	9
42	Comparison between Capacitive and Microstructured Optical Fiber Soil Moisture Sensors. *Applied Sciences (Switzerland)*, **2018**, 8, 1499	2.6	7
41	Enhancement of luminescence-based optical fiber oxygen sensors by tuning the distance between fluorophore layers. *Sensors and Actuators B: Chemical*, **2017**, 248, 836-847	8.5	16
40	Enhancing sensitivity of photonic crystal fiber interferometric humidity sensor by the thickness of SnO2 thin films. *Sensors and Actuators B: Chemical*, **2017**, 251, 1059-1067	8.5	35
39	Enhancement of the Sensitivity of a Volatile Organic Compounds MOF-Sensor by Means of Its Structure. *Proceedings (mdpi)*, **2017**, 1, 451	0.3	2
38	Detection of Ethanol in Human Breath Using Optical Fiber Long Period Grating Coated with Metal-Organic Frameworks. *Proceedings (mdpi)*, **2017**, 1, 474	0.3	1
37	Comparative study of polymeric matrices embedding oxygen-sensitive fluorophores by means of Layer-by-Layer nanosassembly. *Sensors and Actuators B: Chemical*, **2017**, 239, 1124-1133	8.5	8
36	Optical sensors based on lossy-mode resonances. *Sensors and Actuators B: Chemical*, **2017**, 240, 174-185	8.5	113
35	Photonic crystal fiber interferometer coated with a PAH/PAA nanolayer as humidity sensor. *Sensors and Actuators B: Chemical*, **2017**, 242, 1065-1072	8.5	49

34	Luminescence-Based Optical Sensors Fabricated by Means of the Layer-by-Layer Nano-Assembly Technique. *Sensors*, **2017**, 17,	3.8	14
33	Micro and Nanostructured Materials for the Development of Optical Fibre Sensors. *Sensors*, **2017**, 17,	3.8	37
32	An Optimized Method Based on Digitalized Lissajous Curve to Determine Lifetime of Luminescent Materials on Optical Fiber Sensors. *Journal of Sensors*, **2016**, 2016, 1-10	2	
31	Fiber Optic Sensors Based on Nanostructured Materials. *Springer Series in Surface Sciences*, **2015**, 277-298	0.4	
30	Layer-by-Layer assembly of a water-insoluble platinum complex for optical fiber oxygen sensors. *Sensors and Actuators B: Chemical*, **2015**, 207, 683-689	8.5	25
29	Nanocoated optical fibre for lossy mode resonance (LMR) sensors and filters **2015**,		2
28	From superhydrophilic to superhydrophobic surfaces by means of polymeric Layer-by-Layer films. *Applied Surface Science*, **2015**, 351, 1081-1086	6.7	30
27	Improved multifrequency phase-modulation method that uses rectangular-wave signals to increase accuracy in luminescence spectroscopy. *Analytical Chemistry*, **2014**, 86, 5245-56	7.8	10
26	PET optimization for improved assessment and accurate quantification of 90Y-microsphere biodistribution after radioembolization. *Medical Physics*, **2014**, 41, 092503	4.4	23
25	Fiber-optic Lossy Mode Resonance Sensors. *Procedia Engineering*, **2014**, 87, 3-8		20
24	Lossy mode resonance optical fiber sensor to detect organic vapors. *Sensors and Actuators B: Chemical*, **2013**, 187, 65-71	8.5	45
23	Comparative study of layer-by-layer deposition techniques for poly(sodium phosphate) and poly(allylamine hydrochloride). *Nanoscale Research Letters*, **2013**, 8, 539	5	28
22	Sensitivity enhancement of a humidity sensor based on poly(sodium phosphate) and poly(allylamine hydrochloride) **2013**,		1
21	46-km-Long Raman Amplified Hybrid Double-Bus Network With Point and Distributed Brillouin Sensors. *IEEE Sensors Journal*, **2012**, 12, 184-188	4	7
20	. *IEEE Sensors Journal*, **2012**, 12, 3156-3162	4	10
19	Volatile organic compounds optical fiber sensor based on lossy mode resonances. *Sensors and Actuators B: Chemical*, **2012**, 173, 523-529	8.5	24
18	A novel luminescent optical fibre probe based on immobilized tridentate bis(phosphinic amide)-phosphine oxide for europium(III) ion aqueous detection in situ. *Sensors and Actuators B: Chemical*, **2012**, 173, 254-261	8.5	13
17	Optical Fiber Sensing Applications: Detection and Identification of Gases and Volatile Organic Compounds **2012**,		1

16	Optimization of single mode fibre sensors to detect organic vapours. *Sensors and Actuators B: Chemical*, **2011**, 157, 388-394	8.5	11
15	Long-range hybrid network with point and distributed Brillouin sensors using Raman amplification. *Optics Express*, **2010**, 18, 9531-41	3.3	26
14	Optical Fiber Sensors to Detect Volatile Organic Compound in Sick Building Syndrome Applications. *Open Construction and Building Technology Journal*, **2010**, 4, 113-120	1.1	5
13	Remote sensing network to detect and identify organic vapours **2009**,		1
12	Optical fiber sensing devices based on organic vapor indicators towards sensor array implementation. *Sensors and Actuators B: Chemical*, **2009**, 137, 139-146	8.5	36
11	Resilient Amplified Double-Ring Optical Networks to Multiplex Optical Fiber Sensors. *Journal of Lightwave Technology*, **2009**, 27, 1301-1306	4	24
10	Amplified CWDM self-referencing sensor network based on phase-shifted FBGs in transmissive configuration **2008**,		2
9	Pyridine Vapors Detection by an Optical Fibre Sensor. *Sensors*, **2008**, 8, 847-859	3.8	24
8	Indicator immobilization on Fabry-Perot nanocavities towards development of fiber optic sensors. *Sensors and Actuators B: Chemical*, **2008**, 130, 158-163	8.5	17
7	Optical fibre sensing element based on xerogel-supported [Au2Ag2(C6F5)4(C14H10)]n for the detection of methanol and ethanol in the vapour phase. *Sensors and Actuators B: Chemical*, **2008**, 134, 966-973	8.5	20
6	DETECTION OF VOLATILE ORGANIC COMPOUNDS BASED ON OPTICAL FIBRE USING NANOSTRUCTURED FILMS. *International Journal on Smart Sensing and Intelligent Systems*, **2008**, 1, 123-136	94	4
5	Application of gold complexes in the development of sensors for volatile organic compounds **2007**, 40, 225-233		20
4	Volatile alcoholic compounds fibre optic nanosensor. *Sensors and Actuators B: Chemical*, **2006**, 115, 444-449	8.5	52
3	Development of an In-Fiber Nanocavity Towards Detection of Volatile Organic Gases. *Sensors*, **2006**, 6, 578-592	3.8	20
2	Volatile Organic Compound Optical Fiber Sensors: A Review. *Sensors*, **2006**, 6, 1440-1465	3.8	126
1	Optical fibre sensors based on vapochromic gold complexes for environmental applications. *Sensors and Actuators B: Chemical*, **2005**, 108, 535-541	8.5	36