

Cesar Elosua

List of Publications by Citations

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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	Volatile Organic Compound Optical Fiber Sensors: A Review. <i>Sensors</i> , 2006 , 6, 1440-1465	3.8	126
50	Optical sensors based on lossy-mode resonances. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 174-185	8.5	113
49	Fluorescent Sensors for the Detection of Heavy Metal Ions in Aqueous Media. <i>Sensors</i> , 2019 , 19,	3.8	102
48	Volatile alcoholic compounds fibre optic nanosensor. <i>Sensors and Actuators B: Chemical</i> , 2006 , 115, 444-449	3.9	52
47	Photonic crystal fiber interferometer coated with a PAH/PAA nanolayer as humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2017 , 242, 1065-1072	8.5	49
46	Lossy mode resonance optical fiber sensor to detect organic vapors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 187, 65-71	8.5	45
45	Micro and Nanostructured Materials for the Development of Optical Fibre Sensors. <i>Sensors</i> , 2017 , 17,	3.8	37
44	Optical fiber sensing devices based on organic vapor indicators towards sensor array implementation. <i>Sensors and Actuators B: Chemical</i> , 2009 , 137, 139-146	8.5	36
43	Optical fibre sensors based on vapochromic gold complexes for environmental applications. <i>Sensors and Actuators B: Chemical</i> , 2005 , 108, 535-541	8.5	36
42	Enhancing sensitivity of photonic crystal fiber interferometric humidity sensor by the thickness of SnO ₂ thin films. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 1059-1067	8.5	35
41	From superhydrophilic to superhydrophobic surfaces by means of polymeric Layer-by-Layer films. <i>Applied Surface Science</i> , 2015 , 351, 1081-1086	6.7	30
40	Comparative study of layer-by-layer deposition techniques for poly(sodium phosphate) and poly(allylamine hydrochloride). <i>Nanoscale Research Letters</i> , 2013 , 8, 539	5	28
39	Long-range hybrid network with point and distributed Brillouin sensors using Raman amplification. <i>Optics Express</i> , 2010 , 18, 9531-41	3.3	26
38	Layer-by-Layer assembly of a water-insoluble platinum complex for optical fiber oxygen sensors. <i>Sensors and Actuators B: Chemical</i> , 2015 , 207, 683-689	8.5	25
37	Volatile organic compounds optical fiber sensor based on lossy mode resonances. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 523-529	8.5	24
36	Resilient Amplified Double-Ring Optical Networks to Multiplex Optical Fiber Sensors. <i>Journal of Lightwave Technology</i> , 2009 , 27, 1301-1306	4	24
35	Pyridine Vapors Detection by an Optical Fibre Sensor. <i>Sensors</i> , 2008 , 8, 847-859	3.8	24

34	PET optimization for improved assessment and accurate quantification of 90Y-microsphere biodistribution after radioembolization. <i>Medical Physics</i> , 2014 , 41, 092503	4.4	23
33	Fiber-optic Lossy Mode Resonance Sensors. <i>Procedia Engineering</i> , 2014 , 87, 3-8		20
32	Application of gold complexes in the development of sensors for volatile organic compounds 2007 , 40, 225-233		20
31	Optical fibre sensing element based on xerogel-supported [Au ₂ Ag ₂ (C ₆ F ₅) ₄ (C ₁₄ H ₁₀)] _n for the detection of methanol and ethanol in the vapour phase. <i>Sensors and Actuators B: Chemical</i> , 2008 , 134, 966-973	8.5	20
30	Development of an In-Fiber Nanocavity Towards Detection of Volatile Organic Gases. <i>Sensors</i> , 2006 , 6, 578-592	3.8	20
29	Indicator immobilization on Fabry-Perot nanocavities towards development of fiber optic sensors. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 158-163	8.5	17
28	Enhancement of luminescence-based optical fiber oxygen sensors by tuning the distance between fluorophore layers. <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 836-847	8.5	16
27	Luminescence-Based Optical Sensors Fabricated by Means of the Layer-by-Layer Nano-Assembly Technique. <i>Sensors</i> , 2017 , 17,	3.8	14
26	A novel luminescent optical fibre probe based on immobilized tridentate bis(phosphinic amide)-phosphine oxide for europium(III) ion aqueous detection in situ. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 254-261	8.5	13
25	Optimization of single mode fibre sensors to detect organic vapours. <i>Sensors and Actuators B: Chemical</i> , 2011 , 157, 388-394	8.5	11
24	Improved multifrequency phase-modulation method that uses rectangular-wave signals to increase accuracy in luminescence spectroscopy. <i>Analytical Chemistry</i> , 2014 , 86, 5245-56	7.8	10
23	. <i>IEEE Sensors Journal</i> , 2012 , 12, 3156-3162	4	10
22	Comparison between Different Structures of Suspended-Core Microstructured Optical Fibers for Volatiles Sensing. <i>Sensors</i> , 2018 , 18,	3.8	9
21	Optical Fiber Sensors Based on Microstructured Optical Fibers to Detect Gases and Volatile Organic Compounds-A Review. <i>Sensors</i> , 2020 , 20,	3.8	8
20	Development of an Aptamer Based Luminescent Optical Fiber Sensor for the Continuous Monitoring of Hg in Aqueous Media. <i>Sensors</i> , 2020 , 20,	3.8	8
19	Comparative study of polymeric matrices embedding oxygen-sensitive fluorophores by means of Layer-by-Layer nanosassembly. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 1124-1133	8.5	8
18	46-km-Long Raman Amplified Hybrid Double-Bus Network With Point and Distributed Brillouin Sensors. <i>IEEE Sensors Journal</i> , 2012 , 12, 184-188	4	7
17	Comparison between Capacitive and Microstructured Optical Fiber Soil Moisture Sensors. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1499	2.6	7

16	Optical Fiber Sensors to Detect Volatile Organic Compound in Sick Building Syndrome Applications. <i>Open Construction and Building Technology Journal</i> , 2010 , 4, 113-120	1.1	5
15	DETECTION OF VOLATILE ORGANIC COMPOUNDS BASED ON OPTICAL FIBRE USING NANOSTRUCTURED FILMS. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2008 , 1, 123-136	0.4	4
14	Enhancement of the Sensitivity of a Volatile Organic Compounds MOF-Sensor by Means of Its Structure. <i>Proceedings (mdpi)</i> , 2017 , 1, 451	0.3	2
13	Nanocoated optical fibre for lossy mode resonance (LMR) sensors and filters 2015 ,		2
12	Amplified CWDM self-referencing sensor network based on phase-shifted FBGs in transmissive configuration 2008 ,		2
11	Trends in the Design of Intensity-Based Optical Fiber Biosensors (2010-2020). <i>Biosensors</i> , 2021 , 11,	5.9	2
10	Detection of Ethanol in Human Breath Using Optical Fiber Long Period Grating Coated with Metal-Organic Frameworks. <i>Proceedings (mdpi)</i> , 2017 , 1, 474	0.3	1
9	Optical Fiber Sensing Applications: Detection and Identification of Gases and Volatile Organic Compounds 2012 ,		1
8	Sensitivity enhancement of a humidity sensor based on poly(sodium phosphate) and poly(allylamine hydrochloride) 2013 ,		1
7	Remote sensing network to detect and identify organic vapours 2009 ,		1
6	Straightforward nano patterning on optical fiber for sensors development. <i>Optics Letters</i> , 2020 , 45, 3877-3880		1
5	Optical devices 2020 , 143-160		1
4	Fiber Optic Sensors Based on Nanostructured Materials. <i>Springer Series in Surface Sciences</i> , 2015 , 277-290		4
3	Gamification for Photonics Students: Labescape. <i>Optics</i> , 2021 , 2, 228-235	1.1	
2	Humidity, Gas, and Volatile Organic Compound Sensors 2020 , 367-398		
1	An Optimized Method Based on Digitalized Lissajous Curve to Determine Lifetime of Luminescent Materials on Optical Fiber Sensors. <i>Journal of Sensors</i> , 2016 , 2016, 1-10		2