Jos Lus Fabris

List of Publications by Citations

53 papers	616 citations	12 h-index	23 g-index
81 ext. papers	757 ext. citations	2.6 avg, IF	3.47 L-index

#	Paper	IF	Citations
53	Optical inclinometer based on a single long-period fiber grating combined with a fused taper. *Optics Letters*, **2006**, 31, 2960-2	3	82
52	Determination of thermo-optic coefficient in liquids with fiber Bragg grating refractometer. *Optics Communications*, **2008**, 281, 621-625	2	80
51	Fiber optic sensors for hydrocarbon detection. *Sensors and Actuators B: Chemical*, **2005**, 105, 430-436	8.5	72
50	Refractometric sensor based on a phase-shifted long-period fiber grating. *Applied Optics*, **2006**, 45, 5066-72	1.7	46
49	Arc-induced long-period gratings in aluminosilicate glass fibers. *Optics Letters*, **2005**, 30, 2065-7	3	32
48	Metrological Evaluation of Optical Fiber Grating-Based Sensors: An Approach Towards the Standardization. *Journal of Lightwave Technology*, **2012**, 30, 1042-1052	4	31
47	Etched fiber bragg gratings sensors for water-ethanol mixtures: a comparative study. *Journal of Microwaves, Optoelectronics and Electromagnetic Applications*, **2010**, 9, 131-143	0.7	30
46	Functionalized Long Period Grating Plasmonic Fiber Sensor Applied to the Detection of Glyphosate in Water. *Journal of Lightwave Technology*, **2018**, 36, 863-870	4	15
45	Influence of the surrounding refractive index on the thermal and strain sensitivities of a cascaded long period grating. *Measurement Science and Technology*, **2007**, 18, 3111-3116	2	14
44	Sparse Force Mapping System Based on Compressive Sensing. *IEEE Transactions on Instrumentation and Measurement*, **2017**, 66, 830-836	5.2	12
43	Thermal characteristics of long-period gratings 266 nm UV-point-by-point induced. *Optics Communications*, **2009**, 282, 816-823	2	12
42	Optical bend sensor based on a long-period fiber grating monitored by an optical time-domain reflectometer. *Optical Engineering*, **2005**, 44, 110502	1.1	12
41	Plasmonic optical fiber sensors: enhanced sensitivity in water-based environments. *Applied Optics*, **2015**, 54, 8192-7	0.2	11
40	Spectroscopic Detection of Glyphosate in Water Assisted by Laser-Ablated Silver Nanoparticles. *Sensors*, **2017**, 17,	3.8	11
39	Control of the long period grating spectrum through low frequency flexural acoustic waves. *Measurement Science and Technology*, **2011**, 22, 045205	2	11
38	Alternative technique for biodiesel quality control using an optical fiber long-period grating sensor. *Quimica Nova*, **2007**, 30, 1677-1680	1.6	11
37	Production and characterization of refractive index gratings in high-birefringence fibre optics. *Optics and Lasers in Engineering*, **2003**, 39, 537-548	4.6	11

36	Etched FBG written in multimode fibers: sensing characteristics and applications in the liquid fuels sector. *Journal of Microwaves, Optoelectronics and Electromagnetic Applications*, **2015**, 14, 51-59	0.7	11
35	Influence of surrounding media refractive index on the thermal and strain sensitivities of long-period gratings. *Applied Optics*, **2007**, 46, 2831-7	1.7	9
34	Optical-Ultrasonic Heterogeneous Sensor Based on Soft-Computing Models. *IEEE Transactions on Instrumentation and Measurement*, **2015**, 64, 2338-2346	5.2	8
33	Light-Assisted Detection of Methanol in Contaminated Spirits. *Journal of Lightwave Technology*, **2016**, 34, 4499-4505	4	7
32	Refractometric optical fiber sensor for measurement of ethanol concentration in ethanol-gasoline blend **2009**,		7
31	Bending sensitivity dependent on the phase shift imprinted in long-period fibre gratings. *Measurement Science and Technology*, **2007**, 18, 3123-3130	2	7
30	Fiber Bragg grating sensor to monitor stress kinetics in drying process of commercial latex paints. *Sensors*, **2010**, 10, 4761-76	3.8	6
29	Tailoring fiber grating sensors for assessment of highly refractive fuels. *Applied Optics*, **2012**, 51, 2015-22	1.7	6
28	Matching long-period grating modes and localized plasmon resonances: effect on the sensitivity of the grating to the surrounding refractive index. *Applied Optics*, **2016**, 55, 8979-8985	0.2	6
27	An approach to improve the spatial resolution of a force mapping sensing system. *Measurement Science and Technology*, **2016**, 27, 025103	2	5
26	Tactile Sensor Array with Fiber Bragg Gratings in Quasi-Distributed Sensing. *Journal of Sensors*, **2018**, 2018, 1-8	2	5
25	Nonlinear Temperature Dependence of Etched Fiber Bragg Gratings. *IEEE Sensors Journal*, **2007**, 7, 1358-1359	1	5
24	CR (III) and CR (VI) detection in water environment using an optical fiber grating sensor **2004**,		4
23	Tuning of Citrate-Stabilized Laser Ablated Silver Nanoparticles for Glyphosate Detection. *IEEE Sensors Journal*, **2020**, 20, 1843-1850	4	4
22	A Smartphone Based Fiber Sensor for Recognizing Walking Patterns. *IEEE Sensors Journal*, **2019**, 19, 9782-9789	4	3
21	Excitation characteristics of a wire-preionized, ultraviolet nitrogen laser. *Optics Communications*, **1988**, 66, 140-144	2	3
20	Smart optical fiber sensor for impact localization on planar structures **2013**,		2
19	Fabrication and characterization of fiber Bragg grating based sensors for force measurements **2017** ,		2

18	FBG refractometry and electrical impedance analysis in fuel samples characterization **2011**,		2
17	Development of Bragg grating sensors at CEFET-PR. *Optics and Lasers in Engineering*, **2003**, 39, 511-523	4.6	2
16	Modeling and production of high-birefringence FOBG sensors **2001**,		2
15	Multiplexing Optical Fiber Macro-Bend Load Sensors. *Journal of Lightwave Technology*, **2019**, 37, 4858-4863	4	1
14	Promoting optical fibre sensor technology with educational experimental setup. *Physics Education*, **2019**, 54, 045005	0.8	1
13	Double-slit interference with a caliper. *Physics Education*, **2020**, 55, 043004	0.8	1
12	Optical fiber sensor temperature coded for concentration measurement of oil/biodiesel blends. *Optical Fiber Technology*, **2013**, 19, 543-548	2.4	1
11	Functionalization of a long period grating coated with gold nanoparticles for glyphosate detection **2017**,		1
10	Fiber optic sensor for methanol quantification in biodiesel **2014**,		1
9	Bending sensing characteristics of long-period gratings UV-point-by-point induced in non-birefringent fibres **2009**,		1
8	Sensing biodiesel and biodiesel-petrodiesel blends **2012**,		1
7	Two-channel CWDM OADM Based on Large Bandwidth Fibre Bragg Gratings **2006**,		1
6	Thermal characterization of etched FBG for applications in oil and gas sector **2007**,		1
5	Um experimento simples usado na produção de placas de zonas de Fresnel. *Revista Brasileira De Ensino De Fisica*, **2005**, 27, 603-608	0.4	1
4	Smartphone Technology Applied in an Approach for Multiplexing of Fibre Optic Intensity-Modulated Macro-Bend Based Sensors **2018**,		1
3	Protein-Bound Uremic Toxins Quantification by a Colorimetric Sensor Based on the Oxidation of Silver Nanoparticles. *IEEE Sensors Journal*, **2021**, 1-1	4	0
2	Guest Editorial on the Special Issue for Optical Fibre Sensors. *Journal of Lightwave Technology*, **2016**, 34, 4419-4420	4	
1	Optical fiber sensor for gasoline blend quality control **2004**, 5622, 194		