

Aitor Urrutia Azcona

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

31 papers	1,035 citations	18 h-index	32 g-index
36 ext. papers	1,239 ext. citations	5.1 avg, IF	4.42 L-index

#	Paper	IF	Citations
31	Advances in Fiber Optic DNA-Based Sensors: A Review. <i>IEEE Sensors Journal</i> , 2021 , 21, 12679-12691	4	5
30	Micro/nanodeposition techniques for enhanced optical fiber sensors 2021 , 531-573		0
29	Lossy mode resonance sensors based on nanocoated multimode-coreless-multimode fibre. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 126955	8.5	8
28	Fiber-based early diagnosis of venous thromboembolic disease by label-free D-dimer detection. <i>Biosensors and Bioelectronics: X</i> , 2019 , 2, 100026	2.9	19
27	A Comprehensive Review of Optical Fiber Refractometers: Toward a Standard Comparative Criterion. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900094	8.3	63
26	Optical fiber sensors based on gold nanorods embedded in polymeric thin films. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2105-2112	8.5	31
25	Labyrinth Metasurface Absorber for Ultra-High-Sensitivity Terahertz Thin Film Sensing. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018 , 12, 1800375	2.5	13
24	A self-referenced optical colorimetric sensor based on silver and gold nanoparticles for quantitative determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 624-631	8.5	44
23	Optical sensors based on lossy-mode resonances. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 174-185	8.5	113
22	Micro and Nanostructured Materials for the Development of Optical Fibre Sensors. <i>Sensors</i> , 2017 , 17,	3.8	37
21	Simultaneous measurement of humidity and temperature based on a partially coated optical fiber long period grating. <i>Sensors and Actuators B: Chemical</i> , 2016 , 227, 135-141	8.5	83
20	Continuous Liquid-Level Sensor Based on a Long-Period Grating and Microwave Photonics Filtering Techniques. <i>IEEE Sensors Journal</i> , 2016 , 16, 1652-1658	4	24
19	Novel Highly Sensitive Protein Sensors Based on Tapered Optical Fibres Modified with Au-Based Nanocoatings. <i>Journal of Sensors</i> , 2016 , 2016, 1-11	2	9
18	Nanocoated optical fibre for lossy mode resonance (LMR) sensors and filters 2015 ,		2
17	Optical Fiber Sensors Based on Nanoparticle-Embedded Coatings. <i>Journal of Sensors</i> , 2015 , 2015, 1-18	2	48
16	Nanomaterials for Functional Textiles and Fibers. <i>Nanoscale Research Letters</i> , 2015 , 10, 501	5	169
15	Fiber-optic Lossy Mode Resonance Sensors. <i>Procedia Engineering</i> , 2014 , 87, 3-8		20

14	Effect of both protective and reducing agents in the synthesis of multicolor silver nanoparticles. <i>Nanoscale Research Letters</i> , 2013 , 8, 101	5	50
13	Multicolor Layer-by-Layer films using weak polyelectrolyte assisted synthesis of silver nanoparticles. <i>Nanoscale Research Letters</i> , 2013 , 8, 438	5	24
12	Electrospun nanofiber mats for evanescent optical fiber sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 569-576	8.5	33
11	A Lossy Mode Resonance optical sensor using silver nanoparticles-loaded films for monitoring human breathing. <i>Sensors and Actuators B: Chemical</i> , 2013 , 187, 40-44	8.5	36
10	Optical fiber humidity sensors based on Localized Surface Plasmon Resonance (LSPR) and Lossy-mode resonance (LMR) in overlays loaded with silver nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 244-249	8.5	69
9	An antibacterial submicron fiber mat with in situ synthesized silver nanoparticles. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 1228-1235	2.9	21
8	Single-stage in situ synthesis of silver nanoparticles in antibacterial self-assembled overlays. <i>Colloid and Polymer Science</i> , 2012 , 290, 785-792	2.4	14
7	Humidity sensor based on silver nanoparticles embedded in a polymeric coating. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2012 , 5, 71-83	0.4	11
6	P2.4.16 Silver Nanoparticles Loaded Electrospun Nanofibers for Humidity Optical Fiber Sensing 2012 ,		2
5	An antibacterial coating based on a polymer/sol-gel hybrid matrix loaded with silver nanoparticles. <i>Nanoscale Research Letters</i> , 2011 , 6, 305	5	64
4	Optical sensor based on polymer electrospun nanofibers for sensing humidity 2011 ,		1
3	Humidity sensor based on silver nanoparticles embedded in a polymeric coating 2011 ,		3
2	Humidity sensor based on a long-period fiber grating coated with a hydrophobic thin film 2010 ,		5
1	An antibacterial surface coating composed of PAH/SiO ₂ nanostructured films by layer by layer. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, 2774-2777		14