

Pedro Jos Rivero

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.

45
papers

1,056
citations

18
h-index

32
g-index

53
ext. papers

1,294
ext. citations

4
avg, IF

4.59
L-index

#	Paper	IF	Citations
45	Nanomaterials for Functional Textiles and Fibers. <i>Nanoscale Research Letters</i> , 2015 , 10, 501	5	169
44	Optical sensors based on lossy-mode resonances. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 174-185	8.5	113
43	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
42	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
41	Effect of both protective and reducing agents in the synthesis of multicolor silver nanoparticles. <i>Nanoscale Research Letters</i> , 2013 , 8, 101	5	50
40	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
39	Effect of graphene oxide and fluorinated polymeric chains incorporated in a multilayered sol-gel nanocoating for the design of corrosion resistant and hydrophobic surfaces. <i>Applied Surface Science</i> , 2017 , 419, 138-149	6.7	42
38	Optical Fiber Sensors Based on Polymeric Sensitive Coatings. <i>Polymers</i> , 2018 , 10,	4.5	37
37	Micro and Nanostructured Materials for the Development of Optical Fibre Sensors. <i>Sensors</i> , 2017 , 17,	3.8	37
36	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
35	Electrospun nanofiber mats for evanescent optical fiber sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 569-576	8.5	33
34	Layer-by-Layer Nano-assembly: A Powerful Tool for Optical Fiber Sensing Applications. <i>Sensors</i> , 2019 , 19,	3.8	32
33	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
32	Optical fiber resonance-based pH sensors using gold nanoparticles into polymeric layer-by-layer coatings. <i>Microsystem Technologies</i> , 2016 , 22, 1821-1829	1.7	27
31	Multicolor Layer-by-Layer films using weak polyelectrolyte assisted synthesis of silver nanoparticles. <i>Nanoscale Research Letters</i> , 2013 , 8, 438	5	24
30	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
29	Fiber-optic Lossy Mode Resonance Sensors. <i>Procedia Engineering</i> , 2014 , 87, 3-8		20

28	Effect of the Temperature in the Mechanical Properties of Austenite, Ferrite and Sigma Phases of Duplex Stainless Steels Using Hardness, Microhardness and Nanoindentation Techniques. <i>Metals</i> , 2017 , 7, 219	2.3	18
27	Design of Nanostructured Functional Coatings by Using Wet-Chemistry Methods. <i>Coatings</i> , 2018 , 8, 76	2.9	15
26	A comparative study of two different approaches for the incorporation of silver nanoparticles into layer-by-layer films. <i>Nanoscale Research Letters</i> , 2014 , 9, 301	5	15
25	Electrospinning: A Powerful Tool to Improve the Corrosion Resistance of Metallic Surfaces Using Nanofibrous Coatings. <i>Metals</i> , 2020 , 10, 350	2.3	14
24	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
23	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
22	Multifunctional Protective PVC-ZnO Nanocomposite Coatings Deposited on Aluminum Alloys by Electrospinning. <i>Coatings</i> , 2019 , 9, 216	2.9	13
21	Corrosion of Cast Aluminum Alloys: A Review. <i>Metals</i> , 2020 , 10, 1384	2.3	12
20	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
19	A Comparative Study in the Tribological Behavior of DLC Coatings Deposited by HiPIMS Technology with Positive Pulses. <i>Metals</i> , 2020 , 10, 174	2.3	9
18	A Comparative Study of Multifunctional Coatings Based on Electrospun Fibers with Incorporated ZnO Nanoparticles. <i>Coatings</i> , 2019 , 9, 367	2.9	9
17	Hydrophobic and Corrosion Behavior of Sol-Gel Hybrid Coatings Based on the Combination of TiO ₂ NPs and Fluorinated Chains for Aluminum Alloys Protection. <i>Metals</i> , 2018 , 8, 1076	2.3	9
16	Self-Referenced Optical Fiber Sensor for Hydrogen Peroxide Detection based on LSPR of Metallic Nanoparticles in Layer-by-Layer Films. <i>Sensors</i> , 2019 , 19,	3.8	8
15	Evaluation of Functionalized Coatings for the Prevention of Ice Accretion by Using Icing Wind Tunnel Tests. <i>Coatings</i> , 2020 , 10, 636	2.9	7
14	Trends in the Implementation of Advanced Plasmonic Materials in Optical Fiber Sensors (2010-2020). <i>Chemosensors</i> , 2021 , 9, 64	4	7
13	A COMPARATIVE STUDY IN THE SENSITIVITY OF OPTICAL FIBER REFRACTOMETERS BASED ON THE INCORPORATION OF GOLD NANOPARTICLES INTO LAYER-BY-LAYER FILMS. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2015 , 8, 822-841	0.4	6
12	Optical fiber refractometers based on localized surface plasmon resonance (LSPR) and lossy mode resonance (LMR) 2014 ,		4
11	Humidity sensor based on silver nanoparticles embedded in a polymeric coating 2011 ,		3

10	Localized Surface Plasmon Resonance for Optical Fiber-Sensing Applications 2017 ,		2
9	Nanocoated optical fibre for lossy mode resonance (LMR) sensors and filters 2015 ,		2
8	Optical fiber pH sensor based on gold nanoparticles into polymeric coatings 2015 ,		2
7	Electrospinning Technique as a Powerful Tool for the Design of Superhydrophobic Surfaces		2
6	Designing Multifunctional Protective PVC Electrospun Fibers with Tunable Properties. <i>Polymers</i> , 2020 , 12,	4-5	2
5	Optical sensor based on polymer electrospun nanofibers for sensing humidity 2011 ,		1
4	An Optical Fiber Sensor for Hg ²⁺ Detection Based on the LSPR of Silver and Gold Nanoparticles Embedded in a Polymeric Matrix as an Effective Sensing Material 2021 , 5,		1
3	Antibacterial Activity of Photocatalytic Metal Oxide Thin Films Deposited by Layer-by-Layer Self-Assembly. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 2855-2863	1-3	1
2	Self-Referenced Optical Fiber Sensor Based on LSPR Generated by Gold and Silver Nanoparticles Embedded in Layer-by-Layer Nanostructured Coatings. <i>Chemosensors</i> , 2022 , 10, 77	4	1
1	Micro/nanodeposition techniques for enhanced optical fiber sensors 2021 , 531-573		0