

# Santiago Medina-Rodriguez

## 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.

37  
papers

694  
citations

17  
h-index

25  
g-index

39  
ext. papers

815  
ext. citations

6.6  
avg, IF

3.88  
L-index

#	Paper	IF	Citations
37	Eu-Doped Citrate-Coated Carbonated Apatite Luminescent Nanoprobes for Drug Delivery. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
36	Polycyclic aromatic hydrocarbons in edible oils: An overview on sample preparation, determination strategies, and relative abundance of prevalent compounds. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2020</b> , 19, 3528-3573	16.4	9
35	Discrimination and classification of extra virgin olive oil using a chemometric approach based on TMS-4,4'-desmethylsterols GC(FID) fingerprints of edible vegetable oils. <i>Food Chemistry</i> , <b>2019</b> , 274, 518-525	8.5	13
34	A multifunctional material based on co-electrospinning for developing biosensors with optical oxygen transduction. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1015, 66-73	6.6	13
33	A metabolic fingerprinting approach based on selected ion flow tube mass spectrometry (SIFT-MS) and chemometrics: A reliable tool for Mediterranean origin-labeled olive oils authentication. <i>Food Research International</i> , <b>2018</b> , 106, 233-242	7	28
32	Evaluation of two sterically directed attachments of biomolecules on a coaxial nanofibre membrane to improve the development of optical biosensors. <i>Talanta</i> , <b>2018</b> , 187, 83-90	6.2	5
31	Development of a folic acid molecularly imprinted polymer and its evaluation as a sorbent for dispersive solid-phase extraction by liquid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , <b>2018</b> , 1576, 26-33	4.5	23
30	Method for the comparison of complex matrix assisted laser desorption ionization-time of flight mass spectra. Stability of therapeutical monoclonal antibodies. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2017</b> , 170, 58-67	3.8	4
29	Real-time optimal combination of multifrequency information in phase-resolved luminescence spectroscopy based on rectangular-wave signals. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 238, 221-225	8.5	1
28	Assessing the varietal origin of extra-virgin olive oil using liquid chromatography fingerprints of phenolic compound, data fusion and chemometrics. <i>Food Chemistry</i> , <b>2017</b> , 215, 245-55	8.5	66
27	Direct estimation of the standard error in phase-resolved luminescence measurements. Application to an oxygen measuring system. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 224, 521-528	8.5	1
26	Novel optical sensing film based on a functional nonwoven nanofibre mat for an easy, fast and highly selective and sensitive detection of tryptamine in beer. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 600-7	11.8	33
25	In-Depth Two-Year Study of Phenolic Profile Variability among Olive Oils from Autochthonous and Mediterranean Varieties in Morocco, as Revealed by a LC-MS Chemometric Profiling Approach. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 18,	6.3	17
24	A first approach towards the development of geographical origin tracing models for North Moroccan olive oils based on triacylglycerols profiles. <i>European Journal of Lipid Science and Technology</i> , <b>2016</b> , 118, 1223-1235	3	12
23	A novel optical biosensor for direct and selective determination of serotonin in serum by Solid Surface-Room Temperature Phosphorescence. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 82, 217-23	11.8	22
22	High performance optical oxygen sensors based on iridium complexes exhibiting interchromophore energy shuttling. <i>Analyst</i> , <b>2016</b> , 141, 3090-7	5	17
21	On the calibration of chemical sensors based on photoluminescence: Selecting the appropriate optimization criterion. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 212, 278-286	8.5	8

20	Evaluation of different functional groups for covalent immobilization of enzymes in the development of biosensors with oxygen optical transduction. <i>Analytical Methods</i> , <b>2015</b> , 7, 2943-2949	3.2	7
19	Copper(I) complexes as alternatives to iridium(III) complexes for highly efficient oxygen sensing. <i>Chemical Communications</i> , <b>2015</b> , 51, 11401-4	5.8	18
18	Comparison of different analytical classification scenarios: application for the geographical origin of edible palm oil by sterolic (NP) HPLC fingerprinting. <i>Analytical Methods</i> , <b>2015</b> , 7, 4192-4201	3.2	35
17	Characterization of supports activated with divinyl sulfone as a tool to immobilize and stabilize enzymes via multipoint covalent attachment. Application to chymotrypsin. <i>RSC Advances</i> , <b>2015</b> , 5, 20639-20649 <sup>85</sup>	3.7	85
16	Electrophoretic deposition as a new approach to produce optical sensing films adaptable to microdevices. <i>Nanoscale</i> , <b>2014</b> , 6, 263-71	7.7	10
15	Improved multifrequency phase-modulation method that uses rectangular-wave signals to increase accuracy in luminescence spectroscopy. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 5245-56	7.8	10
14	Evaluation of a simple PC-based quadrature detection method at very low SNR for luminescence spectroscopy. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 192, 334-340	8.5	5
13	Modelling the size and polydispersity of magnetic hybrid nanoparticles for luminescent sensing of oxygen. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 1201-1209	5.8	2
12	A new highly sensitive and versatile optical sensing film for controlling CO <sub>2</sub> in gaseous and aqueous media. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 184, 281-287	8.5	14
11	High performance optical sensing nanocomposites for low and ultra-low oxygen concentrations using phase-shift measurements. <i>Analyst, The</i> , <b>2013</b> , 138, 4607-17	5	16
10	In vitro oxygen sensing using intraocular microrobots. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2012</b> , 59, 3104-9	5	34
9	Novel synthetic route for covalent coupling of biomolecules on super-paramagnetic hybrid nanoparticles. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 3944-3953	2.5	24
8	Atom-Transfer Radical Polymerisation (ATRP) as a Tool for the Development of Optical Sensing Phases. <i>Israel Journal of Chemistry</i> , <b>2012</b> , 52, 264-275	3.4	6
7	Mini-emulsion solvent evaporation: a simple and versatile way to magnetic nanosensors. <i>Mikrochimica Acta</i> , <b>2011</b> , 172, 299-308	5.8	17
6	One-Step Fabrication of Multifunctional Core-Shell Fibres by Co-Electrospinning. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3488-3495	15.6	32
5	Optical Sensors: One-Step Fabrication of Multifunctional Core-Shell Fibres by Co-Electrospinning (Adv. Funct. Mater. 18/2011). <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3595-3595	15.6	
4	Design and synthesis by ATRP of novel, water-insoluble, lineal copolymers and their application in the development of fluorescent and pH-sensing nanofibres made by electrospinning. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6742		17
3	Micrometer and Submicrometer Particles Prepared by Precipitation Polymerization: Thermodynamic Model and Experimental Evidence of the Relation between Flory $\chi$ Parameter and Particle Size. <i>Macromolecules</i> , <b>2010</b> , 43, 5804-5813	5.5	55

- 2 Iron-phthalocyanine complexes immobilized in nanostructured metal oxide as optical sensors of NO<sub>x</sub> and CO: NMR and photophysical studies. *Journal of Porphyrins and Phthalocyanines*, **2009**, 13, 616-623<sup>18</sup> 8
- 1 The development of solid-surface fluorescence characterization of polycyclic aromatic hydrocarbons for potential screening tests in environmental samples. *Talanta*, **2003**, 60, 287-93 6.2 23