

Santiago Medina-Rodriguez

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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	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> , 2015 , 5, 20639-20649	3.7	85
36	Assessing the varietal origin of extra-virgin olive oil using liquid chromatography fingerprints of phenolic compound, data fusion and chemometrics. <i>Food Chemistry</i> , 2017 , 215, 245-55	8.5	66
35	Micrometer and Submicrometer Particles Prepared by Precipitation Polymerization: Thermodynamic Model and Experimental Evidence of the Relation between Flory- χ Parameter and Particle Size. <i>Macromolecules</i> , 2010 , 43, 5804-5813	5.5	55
34	Comparison of different analytical classification scenarios: application for the geographical origin of edible palm oil by sterolic (NP) HPLC fingerprinting. <i>Analytical Methods</i> , 2015 , 7, 4192-4201	3.2	35
33	In vitro oxygen sensing using intraocular microrobots. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 3104-9	5	34
32	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> , 2016 , 79, 600-7	11.8	33
31	One-Step Fabrication of Multifunctional Core-Shell Fibres by Co-Electrospinning. <i>Advanced Functional Materials</i> , 2011 , 21, 3488-3495	15.6	32
30	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> , 2018 , 106, 233-242	7	28
29	Novel synthetic route for covalent coupling of biomolecules on super-paramagnetic hybrid nanoparticles. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 3944-3953	2.5	24
28	The development of solid-surface fluorescence characterization of polycyclic aromatic hydrocarbons for potential screening tests in environmental samples. <i>Talanta</i> , 2003 , 60, 287-93	6.2	23
27	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> , 2018 , 1576, 26-33	4.5	23
26	A novel optical biosensor for direct and selective determination of serotonin in serum by Solid Surface-Room Temperature Phosphorescence. <i>Biosensors and Bioelectronics</i> , 2016 , 82, 217-23	11.8	22
25	Copper(I) complexes as alternatives to iridium(III) complexes for highly efficient oxygen sensing. <i>Chemical Communications</i> , 2015 , 51, 11401-4	5.8	18
24	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> , 2016 , 18,	6.3	17
23	Mini-emulsion solvent evaporation: a simple and versatile way to magnetic nanosensors. <i>Mikrochimica Acta</i> , 2011 , 172, 299-308	5.8	17
22	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> , 2011 , 21, 6742		17
21	High performance optical oxygen sensors based on iridium complexes exhibiting interchromophore energy shuttling. <i>Analyst, The</i> , 2016 , 141, 3090-7	5	17

20	High performance optical sensing nanocomposites for low and ultra-low oxygen concentrations using phase-shift measurements. <i>Analyst, The</i> , 2013 , 138, 4607-17	5	16
19	A new highly sensitive and versatile optical sensing film for controlling CO ₂ in gaseous and aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2013 , 184, 281-287	8.5	14
18	A multifunctional material based on co-electrospinning for developing biosensors with optical oxygen transduction. <i>Analytica Chimica Acta</i> , 2018 , 1015, 66-73	6.6	13
17	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> , 2019 , 274, 518-525	8.5	13
16	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> , 2016 , 118, 1223-1235	3	12
15	Electrophoretic deposition as a new approach to produce optical sensing films adaptable to microdevices. <i>Nanoscale</i> , 2014 , 6, 263-71	7.7	10
14	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
13	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> , 2020 , 19, 3528-3573	16.4	9
12	On the calibration of chemical sensors based on photoluminescence: Selecting the appropriate optimization criterion. <i>Sensors and Actuators B: Chemical</i> , 2015 , 212, 278-286	8.5	8
11	Iron-phthalocyanine complexes immobilized in nanostructured metal oxide as optical sensors of NO _x and CO: NMR and photophysical studies. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 616-623	1.8	8
10	Evaluation of different functional groups for covalent immobilization of enzymes in the development of biosensors with oxygen optical transduction. <i>Analytical Methods</i> , 2015 , 7, 2943-2949	3.2	7
9	Atom-Transfer Radical Polymerisation (ATRP) as a Tool for the Development of Optical Sensing Phases. <i>Israel Journal of Chemistry</i> , 2012 , 52, 264-275	3.4	6
8	Evaluation of two sterically directed attachments of biomolecules on a coaxial nanofibre membrane to improve the development of optical biosensors. <i>Talanta</i> , 2018 , 187, 83-90	6.2	5
7	Evaluation of a simple PC-based quadrature detection method at very low SNR for luminescence spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 334-340	8.5	5
6	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> , 2017 , 170, 58-67	3.8	4
5	Eu-Doped Citrate-Coated Carbonated Apatite Luminescent Nanoprobes for Drug Delivery. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
4	Modelling the size and polydispersity of magnetic hybrid nanoparticles for luminescent sensing of oxygen. <i>Mikrochimica Acta</i> , 2013 , 180, 1201-1209	5.8	2
3	Direct estimation of the standard error in phase-resolved luminescence measurements. Application to an oxygen measuring system. <i>Sensors and Actuators B: Chemical</i> , 2016 , 224, 521-528	8.5	1

- 2 Real-time optimal combination of multifrequency information in phase-resolved luminescence spectroscopy based on rectangular-wave signals. *Sensors and Actuators B: Chemical*, **2017**, 238, 221-225 8.5 1
- 1 Optical Sensors: One-Step Fabrication of Multifunctional Core-Shell Fibres by Co-Electrospinning (Adv. Funct. Mater. 18/2011). *Advanced Functional Materials*, **2011**, 21, 3595-3595 15.6