

Alberto Gomez-Caballero

List of Publications by Citations

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38
papers

1,086
citations

21
h-index

32
g-index

39
ext. papers

1,161
ext. citations

5.6
avg, IF

4.01
L-index

#	Paper	IF	Citations
38	Direct potentiometric quantification of histamine using solid-phase imprinted nanoparticles as recognition elements. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 138-44	11.8	80
37	Paracetamol voltammetric microsensors based on electrocopolymerized-molecularly imprinted film modified carbon fiber microelectrodes. <i>Analyt. Chem.</i> , 2005 , 130, 1012-8	5	76
36	Sensitive determination of triazines in underground waters using stir bar sorptive extraction directly coupled to automated thermal desorption and gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2009 , 641, 110-6	6.6	62
35	Simultaneous determination of citalopram, fluoxetine and their main metabolites in human urine samples by solid-phase microextraction coupled with high-performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 46, 763-70	3.5	61
34	Untargeted metabolomic analysis using liquid chromatography quadrupole time-of-flight mass spectrometry for non-volatile profiling of wines. <i>Analytica Chimica Acta</i> , 2015 , 858, 32-41	6.6	55
33	Development of a stir bar sorptive extraction based HPLC-FLD method for the quantification of serotonin reuptake inhibitors in plasma, urine and brain tissue samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 178-85	3.5	51
32	Evaluation of the selective detection of 4,6-dinitro-o-cresol by a molecularly imprinted polymer based microsensor electrosynthesized in a semiorganic media. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 713-722	8.5	51
31	Multi-residue analysis of pharmaceutical compounds in wastewaters by dual solid-phase microextraction coupled to liquid chromatography electrospray ionization ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2010 , 1217, 3392-9	4.5	49
30	Determination of fluoxetine, norfluoxetine and their enantiomers in rat plasma and brain samples by liquid chromatography with fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 852, 519-28	3.2	46
29	Chiral imprinted polymers as enantiospecific coatings of stir bar sorptive extraction devices. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 25-32	11.8	43
28	Using a portable device based on a screen-printed sensor modified with a molecularly imprinted polymer for the determination of the insecticide fenitrothion in forest samples. <i>Analytical Methods</i> , 2010 , 2, 1280	3.2	37
27	A retention time locked gas chromatography-mass spectrometry method based on stir-bar sorptive extraction and thermal desorption for automated determination of synthetic musk fragrances in natural and wastewaters. <i>Journal of Chromatography A</i> , 2011 , 1218, 3048-55	4.5	36
26	Molecularly imprinted poly[tetra(o-aminophenyl)porphyrin] as a stable and selective coating for the development of voltammetric sensors. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 638, 246-253	4.1	36
25	Screening and quantification of antipsychotic drugs in human brain tissue by liquid chromatography-tandem mass spectrometry: application to postmortem diagnostics of forensic interest. <i>Forensic Science International</i> , 2012 , 219, 172-8	2.6	33
24	Characterisation of the flavour profile from Graciano Vitis vinifera wine variety by a novel dual stir bar sorptive extraction methodology coupled to thermal desorption and gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2013 , 777, 41-8	6.6	32
23	A novel strategy for Cr(III) and Cr(VI) analysis in dietary supplements by speciated isotope dilution mass spectrometry. <i>Talanta</i> , 2016 , 154, 255-62	6.2	31
22	Voltammetric Determination of Metamitron with an Electrogenerated Molecularly Imprinted Polymer Microsensor. <i>Electroanalysis</i> , 2007 , 19, 356-363	3	26

21	Voltammetric sensors with chiral recognition capability: The use of a chiral inducing agent in polyaniline electrochemical synthesis for the specific recognition of the enantiomers of the pesticide dinoseb. <i>Electrochimica Acta</i> , 2011 , 58, 729-735	6.7	24
20	Iniferter-mediated grafting of molecularly imprinted polymers on porous silica beads for the enantiomeric resolution of drugs. <i>Journal of Molecular Recognition</i> , 2016 , 29, 106-14	2.6	23
19	Molecularly imprinted nanoparticles grafted to porous silica as chiral selectors in liquid chromatography. <i>Journal of Chromatography A</i> , 2017 , 1508, 53-64	4.5	22
18	Solid phase microextraction coupled to liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of organotin compounds in water samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 347-351	3.7	21
17	Water compatible stir-bar devices imprinted with underivatized glyphosate for selective sample clean-up. <i>Journal of Chromatography A</i> , 2016 , 1451, 23-32	4.5	19
16	A new potentiometric sensor based on chiral imprinted nanoparticles for the discrimination of the enantiomers of the antidepressant citalopram. <i>Electrochimica Acta</i> , 2016 , 196, 496-504	6.7	19
15	Molecularly imprinted polymers as a tool for the study of the 4-ethylphenol metabolic pathway in red wines. <i>Journal of Chromatography A</i> , 2015 , 1410, 164-72	4.5	18
14	Solid-phase synthesis of imprinted nanoparticles grafted on gold substrates for voltammetric sensing of 4-ethylphenol. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 839-848	8.5	16
13	Enantioselective extraction of (+)-(S)-citalopram and its main metabolites using a tailor-made stir bar chiral imprinted polymer for their LC-ESI-MS/MS quantitation in urine samples. <i>Talanta</i> , 2013 , 116, 448-53	6.2	16
12	Conductance based sensing and analysis of soluble phosphates in wastewater. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 173-9	11.8	15
11	Rational design and chromatographic evaluation of histamine imprinted polymers optimised for solid-phase extraction of wine samples. <i>Journal of Chromatography A</i> , 2013 , 1308, 45-51	4.5	15
10	Validation of an LC-ESI-MS/MS method for the quantitation of phosphodiesterase-5 inhibitors and their main metabolites in rat serum and brain tissue samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 70, 529-33	3.5	15
9	Stereoselective determination of demethyl- and didemethyl-citalopram in rat plasma and brain tissue by liquid chromatography with fluorescence detection using precolumn derivatization. <i>Biomedical Chromatography</i> , 2008 , 22, 265-71	1.7	14
8	Determination of mercury(II) in water at sub-nanomolar levels by laser ablation-ICPMS analysis of screen printed electrodes used as a portable voltammetric preconcentration system. <i>Analyst, The</i> , 2017 , 142, 1157-1164	5	11
7	Fungicide distribution in vitiviculture ecosystems according to different application strategies to reduce environmental impact. <i>Science of the Total Environment</i> , 2019 , 687, 319-329	10.2	10
6	Particle Analysis for the Detection of Gunshot Residue (GSR) in Nasal Samples Using Scanning Laser Ablation and Inductively Coupled Plasma-Mass Spectrometry (SLA-ICPMS). <i>Journal of Forensic Sciences</i> , 2020 , 65, 1094-1101	1.8	7
5	Molecularly Imprinted High Affinity Nanoparticles for 4-Ethylphenol Sensing. <i>Procedia Engineering</i> , 2015 , 120, 1132-1136		6
4	Controlled grafting of molecularly imprinted films on gold microelectrodes using a self-assembled thiol iniferter. <i>Electrochimica Acta</i> , 2018 , 279, 57-65	6.7	5

3	SPARC-mediated long-term retention of nab-paclitaxel in pediatric sarcomas.. <i>Journal of Controlled Release</i> , 2021 , 342, 81-81	11.7	2
2	Plastic Receptors Developed by Imprinting Technology as Smart Polymers Imitating Natural Behavior 2021 , 69-116		2
1	Solid-phase synthesis of imprinted nanoparticles as artificial antibodies against the C-terminus of the cannabinoid CB1 receptor: exploring a viable alternative for bioanalysis. <i>Mikrochimica Acta</i> , 2021 , 188, 368	5.8	1