Ramon J Barrio

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11862519/publications.pdf

Version: 2024-02-01

44 papers	1,506 citations	236925 25 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	2000 citing authors

#	Article	IF	Citations
1	Production of Docosahexaenoic Acid and Odd-Chain Fatty Acids by Microalgae Schizochytrium limacinum Grown on Waste-Derived Volatile Fatty Acids. Applied Sciences (Switzerland), 2022, 12, 3976.	2.5	9
2	Solid-phase synthesis of imprinted nanoparticles as artificial antibodies against the C-terminus of the cannabinoid CB1 receptor: exploring a viable alternative for bioanalysis. Mikrochimica Acta, 2021, 188, 368.	5.0	7
3	Producing Omega-3 Polyunsaturated Fatty Acids: A Review of Sustainable Sources and Future Trends for the EPA and DHA Market. Resources, 2020, 9, 148.	3.5	97
4	Particle Analysis for the Detection of Gunshot Residue (GSR) in Nasal Samples Using Scanning Laser Ablation and Inductively Coupled Plasmaâ€Mass Spectrometry (SLAâ€ICPMS). Journal of Forensic Sciences, 2020, 65, 1094-1101.	1.6	17
5	Controlled grafting of molecularly imprinted films on gold microelectrodes using a self-assembled thiol iniferter. Electrochimica Acta, 2018, 279, 57-65.	5.2	8
6	Molecularly imprinted nanoparticles grafted to porous silica as chiral selectors in liquid chromatography. Journal of Chromatography A, 2017, 1508, 53-64.	3.7	28
7	Liquid chromatographyâ€“quadrupole time of flight tandem mass spectrometryâ€“based targeted metabolomic study for varietal discrimination of grapes according to plant sterols content. Journal of Chromatography A, 2016, 1454, 67-77.	3.7	26
8	Iniferterâ€mediated grafting of molecularly imprinted polymers on porous silica beads for the enantiomeric resolution of drugs. Journal of Molecular Recognition, 2016, 29, 106-114.	2.1	28
9	Water compatible stir-bar devices imprinted with underivatised glyphosate for selective sample clean-up. Journal of Chromatography A, 2016, 1451, 23-32.	3.7	26
10	A new potentiometric sensor based on chiral imprinted nanoparticles for the discrimination of the enantiomers of the antidepressant citalopram. Electrochimica Acta, 2016, 196, 496-504.	5.2	27
11	Determination of phytosterols in oenological matrices by liquid chromatography-atmospheric pressure chemical ionization and ion-trap mass spectrometry. Journal of Food Composition and Analysis, 2015, 42, 171-178.	3.9	9
12	Molecularly imprinted polymers as a tool for the study of the 4-ethylphenol metabolic pathway in red wines. Journal of Chromatography A, 2015, 1410, 164-172.	3.7	20
13	Characterization of organic gunshot residues in lead-free ammunition using a new sample collection device for liquid chromatographyâ€“quadrupole time-of-flight mass spectrometry. Forensic Science International, 2015, 246, 79-85.	2.2	50
14	Direct potentiometric quantification of histamine using solid-phase imprinted nanoparticles as recognition elements. Biosensors and Bioelectronics, 2014, 58, 138-144.	10.1	85
15	A novel method for the identification of inorganic and organic gunshot residue particles of lead-free ammunitions from the hands of shooters using scanning laser ablation-ICPMS and Raman micro-spectroscopy. Analyst, The, 2014, 139, 6232-6241.	3.5	50
16	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. Talanta, 2013, 116, 448-453.	5.5	17
17	Rational design and chromatographic evaluation of histamine imprinted polymers optimised for solid-phase extraction of wine samples. Journal of Chromatography A, 2013, 1308, 45-51.	3.7	18
18	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 chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2013, 777, 41-48.	5.4	38

#	Article	IF	Citations
19	Unambiguous Characterization of Gunshot Residue Particles Using Scanning Laser Ablation and Inductively Coupled Plasma-Mass Spectrometry. Analytical Chemistry, 2012, 84, 2402-2409.	6.5	44
20	Evaluation of the bioaccumulation of trace elements in tuna species by correlation analysis between their concentrations in muscle and first dorsal spine using microwave-assisted digestion and ICP-MS. International Journal of Environmental Analytical Chemistry, 2012, 92, 1761-1775.	3.3	11
21	Development of matrix-matching hydroxyapatite calibration standards for quantitative multi-element LA-ICP-MS analysis: application to the dorsal spine of fish. Journal of Analytical Atomic Spectrometry, 2011, 26, 1421.	3.0	25
22	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. Electrochimica Acta, 2011, 58, 729-735.	5.2	27
23	Chiral imprinted polymers as enantiospecific coatings of stir bar sorptive extraction devices. Biosensors and Bioelectronics, 2011, 28, 25-32.	10.1	47
24	A retention time locked gas chromatographyâ€“mass spectrometry method based on stir-bar sorptive extraction and thermal desorption for automated determination of synthetic musk fragrances in natural and wastewaters. Journal of Chromatography A, 2011, 1218, 3048-3055.	3.7	48
25	Analytical procedures for the determination of the selective serotonin reuptake inhibitor antidepressant citalopram and its metabolites. Biomedical Chromatography, 2011, 25, 238-257.	1.7	25
26	Molecularly imprinted poly[tetra(o-aminophenyl)porphyrin] as a stable and selective coating for the development of voltammetric sensors. Journal of Electroanalytical Chemistry, 2010, 638, 246-253.	3.8	40
27	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. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 178-185.	2.8	53
28	Multi-residue analysis of pharmaceutical compounds in wastewaters by dual solid-phase microextraction coupled to liquid chromatography electrospray ionization ion trap mass spectrometry. Journal of Chromatography A, 2010, 1217, 3392-3399.	3.7	53
29	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. Analytical Methods, 2010, 2, 1280.	2.7	46
30	Sequential stir bar extraction, thermal desorption and retention time locked GCâ€“MS for determination of pesticides in water. Journal of Separation Science, 2009, 32, 3449-3456.	2.5	29
31	Solid phase microextraction coupled to liquid chromatography-inductively coupled plasma mass spectrometry for the speciation of organotin compounds in water samples. Journal of Analytical Atomic Spectrometry, 2009, 24, 347-351.	3.0	23
32	Simultaneous determination of citalopram, fluoxetine and their main metabolites in human urine samples by solid-phase microextraction coupled with high-performance liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 763-770.	2.8	73
33	Evaluation of the selective detection of 4,6-dinitro-o-cresol by a molecularly imprinted polymer based microsensor electrosynthesized in a semiorganic media. Sensors and Actuators B: Chemical, 2008, 130, 713-722.	7.8	55
34	Quantification of fenitrothion and its main metabolites in poplar leaves by isotope dilution gas chromatographyâ€“mass spectrometry coupled with solid-phase microextraction. Journal of Chromatography A, 2008, 1177, 170-174.	3.7	17
35	Simple and rapid determination of biogenic amines in wine by liquid chromatographyâ€“electrospray ionization ion trap mass spectrometry. Analytica Chimica Acta, 2007, 584, 145-152.	5.4	66
36	Determination of fluoxetine, norfluoxetine and their enantiomers in rat plasma and brain samples by liquid chromatography with fluorescence detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 519-528.	2.3	51

#	Article	IF	Citations
37	Paracetamol voltammetric microsensors based on electrocopolymerizedâ€“molecularly imprinted film modified carbon fiber microelectrodes. Analyst, The, 2005, 130, 1012.	3.5	81
38	Persistence of Diflubenzuron on Conifer Forest Foliage in a Mediterranean-Climate Ecosystem Following Aerial Application. International Journal of Environmental Analytical Chemistry, 2003, 83, 433-442.	3.3	3
39	Multimembrane carbon fiber microelectrodes for amperometric determination of serotonin in human urine. Analyst, The, 2001, 126, 495-500.	3.5	29
40	Persistence of the Insecticide Dimilin 45 ODC on Conifer Forest Foliage in an Atlantic-Climate Ecosystem. Environmental Science & Technology, 2001, 35, 3804-3808.	10.0	8
41	Determination of catecholamines and their metabolites in human plasma using liquid chromatography with coulometric multi-electrode cell-design detection. Analytica Chimica Acta, 2001, 444, 211-221.	5.4	35
42	Determination of imidacloprid and its major metabolite in soils by liquid chromatography with pulsed reductive amperometric detection. Analytica Chimica Acta, 1997, 349, 199-206.	5.4	37
43	Determination of N-nitrosopiperidine in beers by liquid chromatography with reductive amperometric detection at a hanging mercury drop electrode. Analytica Chimica Acta, 1995, 305, 310-317.	5.4	6
44	Utilization of a silica-modified carbon paste electrode for the direct determination of todralazine in biological fluids. Analytica Chimica Acta, 1993, 273, 93-99.	5.4	12