

Mrio Barroso

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.

46
papers

717
citations

15
h-index

24
g-index

53
ext. papers

909
ext. citations

3.3
avg, IF

4.33
L-index

#	Paper	IF	Citations
46	Hair analysis for delta(9)-THC, delta(9)-THC-COOH, CBN and CBD, by GC/MS-EI. Comparison with GC/MS-NCI for delta(9)-THC-COOH. <i>Forensic Science International</i> , 2002 , 128, 66-78	2.6	66
45	Cannabis and Its Secondary Metabolites: Their Use as Therapeutic Drugs, Toxicological Aspects, and Analytical Determination. <i>Medicines (Basel, Switzerland)</i> , 2019 , 6,	4.1	65
44	Hair: a complementary source of bioanalytical information in forensic toxicology. <i>Bioanalysis</i> , 2011 , 3, 67-79	2.1	52
43	Determination of ketamine and its major metabolite, norketamine, in urine and plasma samples using microextraction by packed sorbent and gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 1004, 67-78	3.2	43
42	Novel synthetic opioids - toxicological aspects and analysis. <i>Forensic Sciences Research</i> , 2019 , 4, 111-140	3.6	40
41	Role of microextraction sampling procedures in forensic toxicology. <i>Bioanalysis</i> , 2012 , 4, 1805-26	2.1	37
40	Analytical approach to determine biogenic amines in urine using microextraction in packed syringe and liquid chromatography coupled to electrochemical detection. <i>Biomedical Chromatography</i> , 2013 , 27, 608-14	1.7	24
39	Rapid analysis of cocaine and metabolites in urine using microextraction in packed sorbent and GC/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2051-2063	4.4	21
38	: Clinical, Toxicological Aspects and Analysis in Biological and Non-Biological Samples. <i>Medicines (Basel, Switzerland)</i> , 2019 , 6,	4.1	20
37	Determination of Antiepileptic Drugs Using Dried Saliva Spots. <i>Journal of Analytical Toxicology</i> , 2019 , 43, 61-71	2.9	18
36	Bioanalytical procedures and developments in the determination of alcohol biomarkers in biological specimens. <i>Bioanalysis</i> , 2016 , 8, 229-51	2.1	16
35	Organophosphorus pesticide determination in biological specimens: bioanalytical and toxicological aspects. <i>International Journal of Legal Medicine</i> , 2019 , 133, 1763-1784	3.1	16
34	Psilocybin as a New Approach to Treat Depression and Anxiety in the Context of Life-Threatening Diseases-A Systematic Review and Meta-Analysis of Clinical Trials. <i>Biomedicines</i> , 2020 , 8,	4.8	16
33	Determination of methadone and EDDP in oral fluid using the dried saliva spots sampling approach and gas chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2177-2187	4.4	15
32	Determination of antipsychotic drugs in oral fluid using dried saliva spots by gas chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 6141-6153 ⁴	4.4	15
31	Analysis of Salvinorin A in urine using microextraction in packed syringe and GC-MS/MS. <i>Bioanalysis</i> , 2013 , 5, 661-8	2.1	15
30	Development and validation of a gas chromatography/tandem mass spectrometry method for simultaneous quantitation of several antipsychotics in human plasma and oral fluid. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 2081-2095	2.2	14

29	Toxicological Aspects and Determination of the Main Components of Ayahuasca: A Critical Review. <i>Medicines (Basel, Switzerland)</i> , 2019 , 6,	4.1	14
28	Determination of opiates in whole blood using microextraction by packed sorbent and gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1602, 1-10	4.5	13
27	Determination of Selected Opiates in Hair Samples Using Microextraction by Packed Sorbent: A New Approach for Sample Clean-up. <i>Journal of Analytical Toxicology</i> , 2019 , 43, 465-476	2.9	13
26	The role of liquid-phase microextraction techniques in bioanalysis. <i>Bioanalysis</i> , 2015 , 7, 2195-201	2.1	13
25	Determination of amphetamine-type stimulants in urine samples using microextraction by packed sorbent and gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1120, 41-50	3.2	12
24	Determination of ethyl glucuronide and fatty acid ethyl esters in hair samples. <i>Biomedical Chromatography</i> , 2017 , 31, e3858	1.7	10
23	Synthetic cannabinoids in biological specimens: a review of current analytical methods and sample preparation techniques. <i>Bioanalysis</i> , 2018 , 10, 1609-1623	2.1	10
22	Assessing cocaine abuse using LC-MS/MS measurements in biological specimens. <i>Bioanalysis</i> , 2015 , 7, 1497-525	2.1	8
21	Opioid Use in Pregnant Women and Neonatal Abstinence Syndrome-A Review of the Literature. <i>Toxics</i> , 2019 , 7,	4.7	7
20	Development, optimization, and validation of a novel extraction procedure for the removal of opiates from human hair surface. <i>Drug Testing and Analysis</i> , 2015 , 7, 385-92	3.5	7
19	Massive intoxication involving unusual high concentration of amitriptyline. <i>Human and Experimental Toxicology</i> , 2007 , 26, 667-70	3.4	7
18	Alcohol consumption assessment in a student population through combined hair analysis for ethyl glucuronide and fatty acid ethyl esters. <i>Forensic Science International</i> , 2019 , 294, 39-47	2.6	7
17	Determination of Selected Cathinones in Blood by Solid-Phase Extraction and GC-MS. <i>Journal of Analytical Toxicology</i> , 2021 , 45, 233-242	2.9	7
16	Recent Developments in the Determination of Biomarkers of Tobacco Smoke Exposure in Biological Specimens: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	7
15	New analytical approach to determine organophosphorus insecticides in blood by dried matrix spots sampling and GC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 7955-7964	4.4	7
14	Contactless decontamination of hair samples: cannabinoids. <i>Drug Testing and Analysis</i> , 2017 , 9, 282-288	3.5	6
13	Toxicological analysis of cocaine adulterants in blood samples. <i>Forensic Science International</i> , 2019 , 299, 95-102	2.6	6
12	Determination of N,N-dimethyltryptamine and beta-carbolines in plants used to prepare ayahuasca beverages by means of solid-phase extraction and gas-chromatography-mass spectrometry. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	5

11	New Method for the Monitoring of Antidepressants in Oral Fluid Using Dried Spot Sampling.. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	5
10	Evaluation of the Cytotoxicity of Ayahuasca Beverages. <i>Molecules</i> , 2020 , 25,	4.8	4
9	Recent bionalytical methods for the determination of new psychoactive substances in biological specimens. <i>Bioanalysis</i> , 2020 , 12, 1557-1595	2.1	4
8	Determination of ethyl glucuronide in hair to assess excessive alcohol consumption in a student population. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2027-34	4.4	3
7	A review of current bioanalytical approaches in sample pretreatment techniques for the determination of antidepressants in biological specimens. <i>Reviews in Analytical Chemistry</i> , 2021 , 40, 12-32 ³	2.3	3
6	Variations in headspace microextraction procedures and current applications in bioanalysis. <i>Bioanalysis</i> , 2015 , 7, 2235-40	2.1	2
5	Sampling alternative specimens: hair and oral fluid 2015 , 110-118		2
4	New miniaturized clean-up procedure for hair samples by means of microextraction by packed sorbent: determination of cocaine and metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7963-7976	4.4	2
3	Trends in microextraction approaches for handling human hair extracts - A review. <i>Analytica Chimica Acta</i> , 2021 , 1185, 338792	6.6	2
2	Capture of Opiates by Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2015 , 44, 440-453	1.8	1
1	Optimization and validation of a procedure using the dried saliva spots approach for the determination of tobacco markers in oral fluid.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 212, 114648	3.5	1