

Mário Barroso

List of Publications by Year in descending order

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52
papers

1,088
citations

394421
19
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434195
31
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53
all docs

53
docs citations

53
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	Cannabis and Its Secondary Metabolites: Their Use as Therapeutic Drugs, Toxicological Aspects, and Analytical Determination. Medicines (Basel, Switzerland), 2019, 6, 31.	1.4	112
2	Hair analysis for Δ^9 -THC, Δ^9 -THC-COOH, CBN and CBD, by GC/MS-EI. Forensic Science International, 2002, 128, 66-78.	2.2	78
3	Hair: a complementary source of bioanalytical information in forensic toxicology. Bioanalysis, 2011, 3, 67-79.	1.5	61
4	Novel synthetic opioids – toxicological aspects and analysis. Forensic Sciences Research, 2019, 4, 111-140.	1.6	55
5	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. Biomedicines, 2020, 8, 331.	3.2	51
6	Determination of ketamine and its major metabolite, norketamine, in urine and plasma samples using microextraction by packed sorbent and gas chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1004, 67-78.	2.3	49
7	Role of microextraction sampling procedures in forensic toxicology. Bioanalysis, 2012, 4, 1805-1826.	1.5	44
8	Mitragyna speciosa: Clinical, Toxicological Aspects and Analysis in Biological and Non-Biological Samples. Medicines (Basel, Switzerland), 2019, 6, 35.	1.4	39
9	Organophosphorus pesticide determination in biological specimens: bioanalytical and toxicological aspects. International Journal of Legal Medicine, 2019, 133, 1763-1784.	2.2	32
10	Determination of Antiepileptic Drugs Using Dried Saliva Spots. Journal of Analytical Toxicology, 2019, 43, 61-71.	2.8	32
11	Determination of opiates in whole blood using microextraction by packed sorbent and gas chromatography-tandem mass spectrometry. Journal of Chromatography A, 2019, 1602, 1-10.	3.7	30
12	Analytical approach to determine biogenic amines in urine using microextraction in packed syringe and liquid chromatography coupled to electrochemical detection. Biomedical Chromatography, 2013, 27, 608-614.	1.7	28
13	Hair analysis for forensic applications: is the future bright?. Bioanalysis, 2014, 6, 1-3.	1.5	26
14	Rapid analysis of cocaine and metabolites in urine using microextraction in packed sorbent and GC/MS. Analytical and Bioanalytical Chemistry, 2017, 409, 2051-2063.	3.7	26
15	Development and validation of a gas chromatography/tandem mass spectrometry method for simultaneous quantitation of several antipsychotics in human plasma and oral fluid. Rapid Communications in Mass Spectrometry, 2018, 32, 2081-2095.	1.5	23
16	Determination of antipsychotic drugs in oral fluid using dried saliva spots by gas chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 6141-6153.	3.7	23
17	Toxicological Aspects and Determination of the Main Components of Ayahuasca: A Critical Review. Medicines (Basel, Switzerland), 2019, 6, 106.	1.4	23
18	Determination of methadone and EDDP in oral fluid using the dried saliva spots sampling approach and gas chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 2177-2187.	3.7	21

#	ARTICLE	IF	CITATIONS
19	Bioanalytical procedures and developments in the determination of alcohol biomarkers in biological specimens. <i>Bioanalysis</i> , 2016, 8, 229-251.	1.5	20
20	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.	2.3	19
21	Analysis of Salvinorin A in urine using microextraction in packed syringe and GC-MS/MS. <i>Bioanalysis</i> , 2013, 5, 661-668.	1.5	18
22	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.	2.8	18
23	Synthetic cannabinoids in biological specimens: a review of current analytical methods and sample preparation techniques. <i>Bioanalysis</i> , 2018, 10, 1609-1623.	1.5	17
24	An Update on the Implications of New Psychoactive Substances in Public Health. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4869.	2.6	17
25	Determination of ethyl glucuronide and fatty acid ethyl esters in hair samples. <i>Biomedical Chromatography</i> , 2017, 31, e3858.	1.7	15
26	Determination of Selected Cathinones in Blood by Solid-Phase Extraction and GC-MS. <i>Journal of Analytical Toxicology</i> , 2021, 45, 233-242.	2.8	15
27	The role of liquid-phase microextraction techniques in bioanalysis. <i>Bioanalysis</i> , 2015, 7, 2195-2201.	1.5	14
28	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.	3.7	12
29	Evaluation of the Cytotoxicity of Ayahuasca Beverages. <i>Molecules</i> , 2020, 25, 5594.	3.8	12
30	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, 1768.	2.6	12
31	Assessing cocaine abuse using LC-MS/MS measurements in biological specimens. <i>Bioanalysis</i> , 2015, 7, 1497-1525.	1.5	11
32	Toxicological analysis of cocaine adulterants in blood samples. <i>Forensic Science International</i> , 2019, 299, 95-102.	2.2	11
33	Massive intoxication involving unusual high concentration of amitriptyline. <i>Human and Experimental Toxicology</i> , 2007, 26, 667-670.	2.2	10
34	Opioid Use in Pregnant Women and Neonatal Abstinence Syndrome—A Review of the Literature. <i>Toxics</i> , 2019, 7, 9.	3.7	10
35	New Method for the Monitoring of Antidepressants in Oral Fluid Using Dried Spot Sampling. <i>Pharmaceuticals</i> , 2021, 14, 1284.	3.8	10
36	What are the recent advances in forensic oral fluid bioanalysis?. <i>Bioanalysis</i> , 2013, 5, 2077-2079.	1.5	9

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37	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.	2.2	9
38	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	9
39	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.	3.7	9
40	Development, optimization, and validation of a novel extraction procedure for the removal of opiates from human hair's surface. <i>Drug Testing and Analysis</i> , 2015, 7, 385-392.	2.6	8
41	Recent bioanalytical methods for the determination of new psychoactive substances in biological specimens. <i>Bioanalysis</i> , 2020, 12, 1557-1595.	1.5	8
42	Contactless decontamination of hair samples: cannabinoids. <i>Drug Testing and Analysis</i> , 2017, 9, 282-288.	2.6	7
43	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.	2.9	7
44	Stability of Cocaine, Opiates, and Metabolites in Dried Saliva Spots. <i>Molecules</i> , 2022, 27, 641.	3.8	6
45	Determination of ethyl glucuronide in hair to assess excessive alcohol consumption in a student population. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2027-2034.	3.7	5
46	Trends in microextraction approaches for handling human hair extracts - A review. <i>Analytica Chimica Acta</i> , 2021, 1185, 338792.	5.4	4
47	Analysis of opiates in urine 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> , 2022, 1207, 123361.	2.3	4
48	Variations in headspace microextraction procedures and current applications in bioanalysis. <i>Bioanalysis</i> , 2015, 7, 2235-2240.	1.5	3
49	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.	2.8	2
50	Capture of Opiates by Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2015, 44, 440-453.	1.2	1
51	Editorial: Current Analytical Trends in Drug Testing in Clinical and Forensic Toxicology. <i>Frontiers in Chemistry</i> , 2021, 9, 673397.	3.6	1
52	Advances on Bioanalysis: Recent Approaches in the Determination of Biomarkers, Drugs of Abuse and Medicines. <i>Molecules</i> , 2022, 27, 3188.	3.8	0