

Maykel Hernandez-Mesa

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.

29
papers

487
citations

13
h-index

22
g-index

32
ext. papers

661
ext. citations

5.5
avg, IF

4.22
L-index

#	Paper	IF	Citations
29	Current applications and perspectives of ion mobility spectrometry to answer chemical food safety issues. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 94, 39-53	14.6	75
28	Ion Mobility Spectrometry in Food Analysis: Principles, Current Applications and Future Trends. <i>Molecules</i> , 2019 , 24,	4.8	64
27	Collision Cross Section (CCS) Database: An Additional Measure to Characterize Steroids. <i>Analytical Chemistry</i> , 2018 , 90, 4616-4625	7.8	52
26	Novel solid phase extraction method for the analysis of 5-nitroimidazoles and metabolites in milk samples by capillary electrophoresis. <i>Food Chemistry</i> , 2014 , 145, 161-7	8.5	37
25	Interlaboratory and Interplatform Study of Steroids Collision Cross Section by Traveling Wave Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 5013-5022	7.8	28
24	Novel cation selective exhaustive injection-sweeping procedure for 5-nitroimidazole determination in waters by micellar electrokinetic chromatography using dispersive liquid-liquid microextraction. <i>Journal of Chromatography A</i> , 2014 , 1341, 65-72	4.5	28
23	Collision cross section (CCS) as a complementary parameter to characterize human and veterinary drugs. <i>Analytica Chimica Acta</i> , 2018 , 1043, 52-63	6.6	23
22	Simple and rapid determination of 5-nitroimidazoles and metabolites in fish roe samples by salting-out assisted liquid-liquid extraction and UHPLC-MS/MS. <i>Food Chemistry</i> , 2018 , 252, 294-302	8.5	17
21	Green methodology based on dispersive liquid-liquid microextraction and micellar electrokinetic chromatography for 5-nitroimidazole analysis in water samples. <i>Journal of Separation Science</i> , 2013 , 36, 3050-8	3.4	17
20	Potential of ion mobility-mass spectrometry for both targeted and non-targeted analysis of phase II steroid metabolites in urine. <i>Analytica Chimica Acta: X</i> , 2019 , 1, 100006	2.2	16
19	Determination of 5-nitroimidazole residues in milk by capillary electrochromatography with packed C18 silica beds. <i>Talanta</i> , 2015 , 144, 542-50	6.2	16
18	Capillary electrochromatography coupled with dispersive liquid-liquid microextraction for the analysis of benzimidazole residues in water samples. <i>Talanta</i> , 2016 , 161, 8-14	6.2	16
17	Determination of 5-nitroimidazoles and metabolites in environmental samples by micellar electrokinetic chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 297-305	4.4	13
16	Capillary electrophoresis-tandem mass spectrometry combined with molecularly imprinted solid phase extraction as useful tool for the monitoring of 5-nitroimidazoles and their metabolites in urine samples. <i>Talanta</i> , 2017 , 163, 111-120	6.2	11
15	A high-throughput UHPLC method for the analysis of 5-nitroimidazole residues in milk based on salting-out assisted liquid-liquid extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1068-1069, 125-130	3.2	11
14	Capillary electrochromatography-mass spectrometry for the determination of 5-nitroimidazole antibiotics in urine samples. <i>Electrophoresis</i> , 2015 , 36, 2606-15	3.6	11
13	Evaluation of the combination of micellar electrokinetic capillary chromatography with sweeping and cation selective exhaustive injection for the determination of 5-nitroimidazoles in egg samples. <i>Food Chemistry</i> , 2016 , 213, 215-222	8.5	9

12	Development and validation of a QuEChERS method for the analysis of 5-nitroimidazole traces in infant milk-based samples by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1562, 36-46	4.5	9
11	Determination of sulfonylurea pesticide residues in edible seeds used as nutraceuticals by QuEChERS in combination with ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1617, 460831	4.5	7
10	Metabolomics in chemical risk analysis - A review. <i>Analytica Chimica Acta</i> , 2021 , 1154, 338298	6.6	7
9	Development of an ultrasensitive stacking technique for 5-nitroimidazole determination in untreated biological fluids by micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2015 , 36, 2538-43 ^{3.6}	3.6	5
8	Evaluation of a Selective Approach for the Determination of 5-Nitroimidazoles in Aquaculture Products by Capillary Liquid Chromatography Using Molecularly Imprinted Solid-Phase Extraction. <i>Food Analytical Methods</i> , 2017 , 10, 3647-3657	3.4	4
7	Characterization of Steroids through Collision Cross Sections: Contribution of Quantum Chemistry Calculations. <i>Analytical Chemistry</i> , 2020 , 92, 6034-6042	7.8	4
6	On-line preconcentration strategy for the simultaneous quantification of three local anesthetics in human urine using CZE. <i>Electrophoresis</i> , 2015 , 36, 2961-7	3.6	4
5	Food Safety Applications of Capillary Electromigration Methods 2018 , 511-545		3
4	Metabolomics and lipidomics to identify biomarkers of effect related to exposure to NON-dioxin-like polychlorinated biphenyls in pigs.. <i>Chemosphere</i> , 2022 , 296, 133957	8.4	
3	Trends in Multiresidue Analysis 2020 , 1-48		
2	Chemical Food Safety Applications of Capillary Electrophoresis Methodologies. <i>Current and Future Developments in Food Science</i> , 2022 , 388-449	1	
1	Traveling Wave Ion Mobility-Mass Spectrometry to Address Chemical Food Safety Issues 2022 , 259-280		