Marta Concheiro

List of Publications by Year
in descending order

99 papers	3,552 citations	109264 35 h-index	161767 54 g-index
99 all docs	99 docs citations	99 times ranked	3115 citing authors

#	Article	IF	Citations
1	Phase I and II Cannabinoid Disposition in Blood and Plasma of Occasional and Frequent Smokers Following Controlled Smoked Cannabis. Clinical Chemistry, 2014, 60, 631-643.	1.5	127
2	The Corticotropin Releasing Hormone-1 (CRH1) Receptor Antagonist Pexacerfont in Alcohol Dependence: A Randomized Controlled Experimental Medicine Study. Neuropsychopharmacology, 2015, 40, 1053-1063.	2.8	127
3	Target screening and confirmation of 35 licit and illicit drugs and metabolites in hair by LCâ€“MSMS. Forensic Science International, 2012, 217, 207-215.	1.3	118
4	Neuropharmacology of 3,4-Methylenedioxypyrovalerone (MDPV), Its Metabolites, and Related Analogs. Current Topics in Behavioral Neurosciences, 2016, 32, 93-117.	0.8	113
5	Simultaneous quantification of 28 synthetic cathinones and metabolites in urine by liquid chromatography-high resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 9437-9448.	1.9	106
6	LCâ€“MS/MS method for the determination of nine antidepressants and some of their main metabolites in oral fluid and plasma. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 183-193.	1.4	103
7	Simultaneous determination of 40 novel psychoactive stimulants in urine by liquid chromatographyâ€“high resolution mass spectrometry and library matching. Journal of Chromatography A, 2015, 1397, 32-42.	1.8	103
8	Screening method for benzodiazepines and hypnotics in hair at pg/mg level by liquid chromatographyâ€“mass spectrometry/mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 825, 72-78.	1.2	96
9	Determination of illicit and medicinal drugs and their metabolites in oral fluid and preserved oral fluid by liquid chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2008, 391, 2329-2338.	1.9	93
10	Postmortem Toxicology of New Synthetic Opioids. Frontiers in Pharmacology, 2018, 9, 1210.	1.6	85
11	Linear pharmacokinetics of 3,4â€methylenedioxypyrovalerone (<scp>MDPV</scp>) and its metabolites in the rat: relationship to pharmacodynamic effects. Addiction Biology, 2016, 21, 339-347.	1.4	83
12	Fast LCâ€“MS/MS method for the determination of amphetamine, methamphetamine, MDA, MDMA, MDEA, MBDB and PMA in urine. Forensic Science International, 2007, 171, 44-51.	1.3	78
13	Screening and confirmatory method for benzodiazepines and hypnotics in oral fluid by LC-MS/MS. Forensic Science International, 2005, 150, 213-220.	1.3	75
14	A Test of the Cognitive Self-Medication Hypothesis of Tobacco Smoking in Schizophrenia. Biological Psychiatry, 2013, 74, 436-443.	0.7	72
15	Confirmation by LCâ€“MS of drugs in oral fluid obtained from roadside testing. Forensic Science International, 2007, 170, 156-162.	1.3	60
16	Synthetic cathinone pharmacokinetics, analytical methods, and toxicological findings from human performance and postmortem cases. Drug Metabolism Reviews, 2016, 48, 237-265.	1.5	60
17	Liquid chromatographyâ€“electrospray ionisation mass spectrometry for the determination of nine selected benzodiazepines in human plasma and oral fluid. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 825, 63-71.	1.2	55
18	Determination of drugs of abuse and their metabolites in human plasma by liquid chromatographyâ€“mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 832, 81-89.	1.2	55

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19	High-throughput simultaneous analysis of buprenorphine, methadone, cocaine, opiates, nicotine, and metabolites in oral fluid by liquid chromatography tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2010, 398, 915-924.	1.9	54
20	Determination of MDMA, MDA, MDEA and MBDB in oral fluid using high performance liquid chromatography with native fluorescence detection. Forensic Science International, 2005, 150, 221-226.	1.3	50
21	Maternal Hair Analysis for the Detection of Illicit Drugs, Medicines, and Alcohol Exposure During Pregnancy. Therapeutic Drug Monitoring, 2013, 35, 296-304.	1.0	50
22	Microextraction sample preparation techniques in forensic analytical toxicology. Biomedical Chromatography, 2019, 33, e4444.	0.8	49
23	Maternal Buprenorphine Dose, Placenta Buprenorphine, and Metabolite Concentrations and Neonatal Outcomes. Therapeutic Drug Monitoring, 2010, 32, 206-215.	1.0	48
24	Simultaneous analysis of buprenorphine, methadone, cocaine, opiates and nicotine metabolites in sweat by liquid chromatography tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 400, 69-78.	1.9	46
25	Alternative Matrices for Cocaine, Heroin, and Methadone In Utero Drug Exposure Detection. Therapeutic Drug Monitoring, 2013, 35, 502-509.	1.0	46
26	4-Methoxy-Î±-PVP: in silico prediction, metabolic stability, and metabolite identification by human hepatocyte incubation and high-resolution mass spectrometry. Forensic Toxicology, 2016, 34, 61-75.	1.4	46
27	Preliminary Buprenorphine Sublingual Tablet Pharmacokinetic Data in Plasma, Oral Fluid, and Sweat During Treatment of Opioid-Dependent Pregnant Women. Therapeutic Drug Monitoring, 2011, 33, 619-626.	1.0	45
28	Simultaneous Quantification of Methadone, Cocaine, Opiates, and Metabolites in Human Placenta by Liquid Chromatography-Mass Spectrometry. Journal of Analytical Toxicology, 2009, 33, 243-252.	1.7	44
29	In vitro, in vivo and in silico metabolic profiling of Î±-pyrrolidinopentiothiophenone, a novel thiophene stimulant. Bioanalysis, 2016, 8, 65-82.	0.6	44
30	3,4-Methylenedioxypyrovalerone (MDPV) and metabolites quantification in human and rat plasma by liquid chromatographyâ€“high resolution mass spectrometry. Analytica Chimica Acta, 2014, 827, 54-63.	2.6	40
31	Umbilical Cord Monitoring of In Utero Drug Exposure to Buprenorphine and Correlation with Maternal Dose and Neonatal Outcomes. Journal of Analytical Toxicology, 2010, 34, 498-505.	1.7	39
32	Bioanalysis for cocaine, opiates, methadone, and amphetamines exposure detection during pregnancy. Drug Testing and Analysis, 2017, 9, 898-904.	1.6	39
33	Simultaneous quantification of Î”9-tetrahydrocannabinol, 11-nor-9-carboxy-tetrahydrocannabinol, cannabidiol and cannabinol in oral fluid by microflow-liquid chromatographyâ€“high resolution mass spectrometry. Journal of Chromatography A, 2013, 1297, 123-130.	1.8	38
34	Urinary Cannabinoid Disposition in Occasional and Frequent Smokers: Is THC-Glucuronide in Sequential Urine Samples a Marker of Recent Use in Frequent Smokers?. Clinical Chemistry, 2014, 60, 361-372.	1.5	38
35	Mu Opioid Receptor Binding Correlates with Nicotine Dependence and Reward in Smokers. PLoS ONE, 2014, 9, e113694.	1.1	36
36	Morphine and codeine concentrations in human urine following controlled poppy seeds administration of known opiate content. Forensic Science International, 2014, 241, 87-90.	1.3	36

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37	Rapid quantitative chiral amphetamines liquid chromatographyâ€“tandem mass spectrometry: Method in plasma and oral fluid with a cost-effective chiral derivatizing reagent. Journal of Chromatography A, 2014, 1358, 68-74.	1.8	35
38	Prenatal methadone exposure, meconium biomarker concentrations and neonatal abstinence syndrome. Addiction, 2010, 105, 2151-2159.	1.7	34
39	First metabolic profile of PV8, a novel synthetic cathinone, in human hepatocytes and urine by high-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 4845-4856.	1.9	34
40	Validation of an LC-MS/MS Method for the Quantification of 13 Designer Benzodiazepines in Blood. Journal of Analytical Toxicology, 2019, 43, 688-695.	1.7	34
41	Wastewater analysis for nicotine, cocaine, amphetamines, opioids and cannabis in New York City. Forensic Sciences Research, 2019, 4, 152-167.	0.9	33
42	Determination of Illicit Drugs and their Metabolites in Human Urine by Liquid Chromatography Tandem Mass Spectrometry Including Relative Ion Intensity Criterion. Journal of Analytical Toxicology, 2007, 31, 573-580.	1.7	32
43	Urinary Excretion of Buprenorphine, Norbuprenorphine, Buprenorphine-Glucuronide, and Norbuprenorphine-Glucuronide in Pregnant Women Receiving Buprenorphine Maintenance Treatment. Clinical Chemistry, 2009, 55, 1177-1187.	1.5	32
44	Windows of Detection of Tetrazepam in Urine, Oral Fluid, Beard, and Hair, With a Special Focus on Drug-Facilitated Crimes. Therapeutic Drug Monitoring, 2005, 27, 565-570.	1.0	31
45	Ethylglucuronide Determination in Urine and Hair from Alcohol Withdrawal Patients. Journal of Analytical Toxicology, 2009, 33, 155-161.	1.7	31
46	Detection of in utero cannabis exposure by umbilical cord analysis. Drug Testing and Analysis, 2018, 10, 636-643.	1.6	31
47	Development and validation of a method for the quantitation of Î”9tetrahydrocannabinol in oral fluid by liquid chromatography electrosprayâ€“mass-spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 810, 319-324.	1.2	31
48	Simultaneous quantification of buprenorphine, norbuprenorphine, buprenorphine-glucuronide and norbuprenorphine-glucuronide in human umbilical cord by liquid chromatography tandem mass spectrometry. Forensic Science International, 2009, 188, 144-151.	1.3	30
49	Validation of a novel method to identify in utero ethanol exposure: simultaneous meconium extraction of fatty acid ethyl esters, ethyl glucuronide, and ethyl sulfate followed by LC-MS/MS quantification. Analytical and Bioanalytical Chemistry, 2014, 406, 1945-1955.	1.9	30
50	Development and validation of a liquid chromatography tandem mass spectrometry method for the determination of cannabinoids and phase I and II metabolites in meconium. Journal of Chromatography A, 2017, 1497, 118-126.	1.8	29
51	Distribution of synthetic opioids in postmortem blood, vitreous humor and brain. Forensic Science International, 2019, 305, 109999.	1.3	29
52	A sensitive, rapid and specific determination of midazolam in human plasma and saliva by liquid chromatography/electrospray mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2976-2982.	0.7	28
53	Development and validation of a liquid chromatography mass spectrometry assay for the simultaneous quantification of methadone, cocaine, opiates and metabolites in human umbilical cord. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3065-3071.	1.2	28
54	Nonlinear Pharmacokinetics of (Â±)3,4-Methylenedioxymethamphetamine (MDMA) and Its Pharmacodynamic Consequences in the Rat. Drug Metabolism and Disposition, 2014, 42, 119-125.	1.7	28

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55	Drug exposure during pregnancy: analytical methods and toxicological findings. Bioanalysis, 2018, 10, 587-606.	0.6	28
56	Simultaneous determination of opiates, methadone, amphetamines, cocaine, and metabolites in human placenta and umbilical cord by LC-MS/MS. Analytical and Bioanalytical Chemistry, 2013, 405, 4295-4305.	1.9	27
57	Pharmacokinetic Profiles and Pharmacodynamic Effects for Methylone and Its Metabolites in Rats. Neuropsychopharmacology, 2017, 42, 649-660.	2.8	27
58	Stability of synthetic cathinones in oral fluid samples. Forensic Science International, 2017, 274, 13-21.	1.3	26
59	Quantification of cocaine and metabolites in exhaled breath by liquid chromatography-high-resolution mass spectrometry following controlled administration of intravenous cocaine. Analytical and Bioanalytical Chemistry, 2014, 406, 6213-6223.	1.9	25
60	In vitro stability of free and glucuronidated cannabinoids in urine following controlled smoked cannabis. Analytical and Bioanalytical Chemistry, 2014, 406, 785-792.	1.9	25
61	Hair analysis interpretation of an unusual case of alleged scopolamine-facilitated sexual assault. Forensic Toxicology, 2012, 30, 193-198.	1.4	24
62	Cocaine and metabolite concentrations in DBS and venous blood after controlled intravenous cocaine administration. Bioanalysis, 2015, 7, 2041-2056.	0.6	24
63	Quantitative analysis of opioids and cannabinoids in wastewater samples. Forensic Sciences Research, 2017, 2, 18-25.	0.9	24
64	Confirmatory analysis of buprenorphine, norbuprenorphine, and glucuronide metabolites in plasma by LCMSMS. Application to umbilical cord plasma from buprenorphine-maintained pregnant women. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 13-20.	1.2	23
65	Oral fluid cocaine and benzoylecgonine concentrations following controlled intravenous cocaine administration. Forensic Science International, 2016, 260, 95-101.	1.3	23
66	Bioanalysis during pregnancy: recent advances and novel sampling strategies. Bioanalysis, 2014, 6, 3133-3153.	0.6	22
67	Oral Fluid vs. Urine Analysis to Monitor Synthetic Cannabinoids and Classic Drugs Recent Exposure. Current Pharmaceutical Biotechnology, 2018, 18, 796-805.	0.9	21
68	Biochip array technology immunoassay performance and quantitative confirmation of designer piperazines for urine workplace drug testing. Analytical and Bioanalytical Chemistry, 2015, 407, 4639-4648.	1.9	20
69	Development and validation of a liquid chromatographyâ€“tandem mass spectrometry assay for the simultaneous quantification of buprenorphine, norbuprenorphine, and metabolites in human urine. Analytical and Bioanalytical Chemistry, 2008, 392, 903-911.	1.9	19
70	Methamphetamine and Amphetamine Isomer Concentrations in Human Urine Following Controlled Vicks VapoInhaler Administration. Journal of Analytical Toxicology, 2014, 38, 524-527.	1.7	19
71	Simultaneous quantification of buprenorphine, norbuprenorphine, buprenorphine glucuronide, and norbuprenorphine glucuronide in human placenta by liquid chromatography mass spectrometry. Analytical and Bioanalytical Chemistry, 2009, 394, 513-522.	1.9	18
72	One Hundred False-Positive Amphetamine Specimens Characterized by Liquid Chromatography Time-of-Flight Mass Spectrometry. Journal of Analytical Toxicology, 2016, 40, bkv101.	1.7	18

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73	Pharmacodynamic effects and relationships to plasma and oral fluid pharmacokinetics after intravenous cocaine administration. Drug and Alcohol Dependence, 2016, 163, 116-125.	1.6	18
74	Determination of 30 Synthetic Cathinones in Postmortem Blood Using LCâ€“MS-MS. Journal of Analytical Toxicology, 2020, 44, 679-687.	1.7	16
75	Oral fluid with three modes of collection and plasma methamphetamine and amphetamine enantiomer concentrations after controlled intranasal lâ€methamphetamine administration. Drug Testing and Analysis, 2015, 7, 877-883.	1.6	15
76	Morphine and codeine in oral fluid after controlled poppy seed administration. Drug Testing and Analysis, 2015, 7, 586-591.	1.6	14
77	Cocaine and benzoylecgonine oral fluid onâ€site screening and confirmation. Drug Testing and Analysis, 2016, 8, 296-303.	1.6	13
78	Simultaneous plasma and oral fluid morphine and codeine concentrations after controlled administration of poppy seeds with known opiate content. Forensic Toxicology, 2015, 33, 235-243.	1.4	12
79	LCâ€“MS-MS Method for the Determination of Antidepressants and Benzodiazepines in Meconium. Journal of Analytical Toxicology, 2020, 44, 580-588.	1.7	11
80	A LC-MS/MS method for the determination of common synthetic cathinones in meconium. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1124, 349-355.	1.2	10
81	Quantification of methylone and metabolites in rat and human plasma by liquid chromatography-tandem mass spectrometry. Forensic Toxicology, 2015, 33, 202-212.	1.4	9
82	Synthesis of Mitomycin C and Decarbamoylmitomycin C N2 deoxyguanosine-adducts. Bioorganic Chemistry, 2016, 65, 90-99.	2.0	9
83	Brain Concentrations of Methylone and Its Metabolites after Systemic Methylone Administration: Relationship to Pharmacodynamic Effects. Journal of Pharmacology and Experimental Therapeutics, 2021, 377, 398-406.	1.3	8
84	Development and validation of a liquid chromatographyâ€“tandem mass spectrometry method for the determination of nicotine and its metabolites in placenta and umbilical cord. Drug Testing and Analysis, 2018, 10, 1305-1314.	1.6	7
85	Quantification of Classic, Prescription and Synthetic Opioids in Hair by LCâ€“MS-MS. Journal of Analytical Toxicology, 2020, 45, 943-949.	1.7	7
86	Drug testing in biological samples vs. maternal surveys for the detection of substance use during whole pregnancy. Journal of Addictive Diseases, 2021, 39, 175-182.	0.8	7
87	Assessment of Tobacco Exposure During Pregnancy by Meconium Analysis and Maternal Interview. Journal of Analytical Toxicology, 2020, 44, 797-802.	1.7	5
88	Assessment of biological matrices for the detection of in utero cannabis exposure. Drug Testing and Analysis, 2021, 13, 1371-1382.	1.6	5
89	Semi quantitative detection of signature peptides in body fluids by liquid chromatography tandem mass spectrometry (LCâ€“MS/MS). Forensic Science International: Genetics Supplement Series, 2019, 7, 208-210.	0.1	3
90	Nicotinic receptor modulation of the default mode network. Psychopharmacology, 2021, 238, 589-597.	1.5	3

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91	<scp>ABCC</scp>3 Polymorphisms and <scp>mRNA</scp> Expression Influence the Concentration of a Carboxylic Acid Metabolite in Patients on Clopidogrel and Aspirin Therapy. Basic and Clinical Pharmacology and Toxicology, 2017, 120, 466-474.	1.2	2
92	Meconium and maternal hair analysis vs. medical records to monitor antidepressants and benzodiazepines exposure during pregnancy. Forensic Toxicology, 2021, 39, 417-426.	1.4	2
93	Fast and Sensitive Method for the Determination of 17 Designer Benzodiazepines in Hair by Liquid Chromatographyâ€“Tandem Mass Spectrometry. Journal of Analytical Toxicology, 2022, 46, 852-859.	1.7	2
94	Detection of in utero ethanol exposure via ethyl glucuronide and ethyl sulfate analysis in umbilical cord and placenta. Forensic Toxicology, 2019, 37, 90-103.	1.4	1
95	Evaluation and applicability of Alere iCup DX 14 for rapid postmortem urine drug screening at autopsy. Journal of Forensic Sciences, 2021, 66, 375-382.	0.9	1
96	Editorial: Current Analytical Trends in Drug Testing in Clinical and Forensic Toxicology. Frontiers in Chemistry, 2021, 9, 673397.	1.8	1
97	Cytotoxicity, crosslinking and biological activity of three mitomycins. Bioorganic Chemistry, 2022, 123, 105744.	2.0	1
98	Analytical Techniques for the Identification and Quantification of Drugs and Metabolites in Wastewater Samples. ACS Symposium Series, 2019, , 23-50.	0.5	0
99	Detection of benzodiazepines and antidepressants consumption during pregnancy: Maternal hair vs. meconium. Toxicologie Analytique Et Clinique, 2019, 31, S19.	0.1	0