

# Marta Concheiro

## List of Publications by Year in descending order

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99  
papers

3,552  
citations

109137

35  
h-index

161609

54  
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99  
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99  
docs citations

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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. <i>Clinical Chemistry</i> , 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. <i>Neuropsychopharmacology</i> , 2015, 40, 1053-1063.	2.8	127
3	Target screening and confirmation of 35 licit and illicit drugs and metabolites in hair by LC-MS/MS. <i>Forensic Science International</i> , 2012, 217, 207-215.	1.3	118
4	Neuropharmacology of 3,4-Methylenedioxypropylamphetamine (MDPV), Its Metabolites, and Related Analogs. <i>Current Topics in Behavioral Neurosciences</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9437-9448.	1.9	106
6	LC-MS/MS method for the determination of nine antidepressants and some of their main metabolites in oral fluid and plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 183-193.	1.4	103
7	Simultaneous determination of 40 novel psychoactive stimulants in urine by liquid chromatography-high resolution mass spectrometry and library matching. <i>Journal of Chromatography A</i> , 2015, 1397, 32-42.	1.8	103
8	Screening method for benzodiazepines and hypnotics in hair at pg/mg level by liquid chromatography-mass spectrometry/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 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 chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2329-2338.	1.9	93
10	Postmortem Toxicology of New Synthetic Opioids. <i>Frontiers in Pharmacology</i> , 2018, 9, 1210.	1.6	85
11	Linear pharmacokinetics of 3,4-methylenedioxypropylamphetamine (MDPV) and its metabolites in the rat: relationship to pharmacodynamic effects. <i>Addiction Biology</i> , 2016, 21, 339-347.	1.4	83
12	Fast LC-MS/MS method for the determination of amphetamine, methamphetamine, MDA, MDMA, MDEA, MBDB and PMA in urine. <i>Forensic Science International</i> , 2007, 171, 44-51.	1.3	78
13	Screening and confirmatory method for benzodiazepines and hypnotics in oral fluid by LC-MS/MS. <i>Forensic Science International</i> , 2005, 150, 213-220.	1.3	75
14	A Test of the Cognitive Self-Medication Hypothesis of Tobacco Smoking in Schizophrenia. <i>Biological Psychiatry</i> , 2013, 74, 436-443.	0.7	72
15	Confirmation by LC-MS of drugs in oral fluid obtained from roadside testing. <i>Forensic Science International</i> , 2007, 170, 156-162.	1.3	60
16	Synthetic cathinone pharmacokinetics, analytical methods, and toxicological findings from human performance and postmortem cases. <i>Drug Metabolism Reviews</i> , 2016, 48, 237-265.	1.5	60
17	Liquid chromatography-electrospray ionisation mass spectrometry for the determination of nine selected benzodiazepines in human plasma and oral fluid. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 825, 63-71.	1.2	55
18	Determination of drugs of abuse and their metabolites in human plasma by liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>Forensic Science International</i> , 2005, 150, 221-226.	1.3	50
21	Maternal Hair Analysis for the Detection of Illicit Drugs, Medicines, and Alcohol Exposure During Pregnancy. <i>Therapeutic Drug Monitoring</i> , 2013, 35, 296-304.	1.0	50
22	Microextraction sample preparation techniques in forensic analytical toxicology. <i>Biomedical Chromatography</i> , 2019, 33, e4444.	0.8	49
23	Maternal Buprenorphine Dose, Placenta Buprenorphine, and Metabolite Concentrations and Neonatal Outcomes. <i>Therapeutic Drug Monitoring</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 69-78.	1.9	46
25	Alternative Matrices for Cocaine, Heroin, and Methadone In Utero Drug Exposure Detection. <i>Therapeutic Drug Monitoring</i> , 2013, 35, 502-509.	1.0	46
26	4-Methoxy- $\hat{\pm}$ -PVP: in silico prediction, metabolic stability, and metabolite identification by human hepatocyte incubation and high-resolution mass spectrometry. <i>Forensic Toxicology</i> , 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. <i>Therapeutic Drug Monitoring</i> , 2011, 33, 619-626.	1.0	45
28	Simultaneous Quantification of Methadone, Cocaine, Opiates, and Metabolites in Human Placenta by Liquid Chromatography-Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2009, 33, 243-252.	1.7	44
29	<i>in vitro</i> , <i>in vivo</i> and <i>in silico</i> metabolic profiling of $\hat{\pm}$ -pyrrolidinopentiothiophenone, a novel thiophene stimulant. <i>Bioanalysis</i> , 2016, 8, 65-82.	0.6	44
30	3,4-Methylenedioxypropylvalerone (MDPV) and metabolites quantification in human and rat plasma by liquid chromatography–high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 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. <i>Journal of Analytical Toxicology</i> , 2010, 34, 498-505.	1.7	39
32	Bioanalysis for cocaine, opiates, methadone, and amphetamines exposure detection during pregnancy. <i>Drug Testing and Analysis</i> , 2017, 9, 898-904.	1.6	39
33	Simultaneous quantification of $\hat{\gamma}$ -9-tetrahydrocannabinol, 11-nor-9-carboxy-tetrahydrocannabinol, cannabidiol and cannabinol in oral fluid by microflow-liquid chromatography–high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 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?. <i>Clinical Chemistry</i> , 2014, 60, 361-372.	1.5	38
35	Mu Opioid Receptor Binding Correlates with Nicotine Dependence and Reward in Smokers. <i>PLoS ONE</i> , 2014, 9, e113694.	1.1	36
36	Morphine and codeine concentrations in human urine following controlled poppy seeds administration of known opiate content. <i>Forensic Science International</i> , 2014, 241, 87-90.	1.3	36

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37	Rapid quantitative chiral amphetamines liquid chromatography-tandem mass spectrometry: Method in plasma and oral fluid with a cost-effective chiral derivatizing reagent. <i>Journal of Chromatography A</i> , 2014, 1358, 68-74.	1.8	35
38	Prenatal methadone exposure, meconium biomarker concentrations and neonatal abstinence syndrome. <i>Addiction</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4845-4856.	1.9	34
40	Validation of an LC-MS/MS Method for the Quantification of 13 Designer Benzodiazepines in Blood. <i>Journal of Analytical Toxicology</i> , 2019, 43, 688-695.	1.7	34
41	Wastewater analysis for nicotine, cocaine, amphetamines, opioids and cannabis in New York City. <i>Forensic Sciences Research</i> , 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. <i>Journal of Analytical Toxicology</i> , 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. <i>Clinical Chemistry</i> , 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. <i>Therapeutic Drug Monitoring</i> , 2005, 27, 565-570.	1.0	31
45	Ethylglucuronide Determination in Urine and Hair from Alcohol Withdrawal Patients. <i>Journal of Analytical Toxicology</i> , 2009, 33, 155-161.	1.7	31
46	Detection of in utero cannabis exposure by umbilical cord analysis. <i>Drug Testing and Analysis</i> , 2018, 10, 636-643.	1.6	31
47	Development and validation of a method for the quantitation of $\delta^9$ tetrahydrocannabinol in oral fluid by liquid chromatography electrospray-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 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. <i>Forensic Science International</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>Journal of Chromatography A</i> , 2017, 1497, 118-126.	1.8	29
51	Distribution of synthetic opioids in postmortem blood, vitreous humor and brain. <i>Forensic Science International</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3065-3071.	1.2	28
54	Nonlinear Pharmacokinetics of (±)3,4-Methylenedioxymethamphetamine (MDMA) and Its Pharmacodynamic Consequences in the Rat. <i>Drug Metabolism and Disposition</i> , 2014, 42, 119-125.	1.7	28

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55	Drug exposure during pregnancy: analytical methods and toxicological findings. <i>Bioanalysis</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4295-4305.	1.9	27
57	Pharmacokinetic Profiles and Pharmacodynamic Effects for Methylone and Its Metabolites in Rats. <i>Neuropsychopharmacology</i> , 2017, 42, 649-660.	2.8	27
58	Stability of synthetic cathinones in oral fluid samples. <i>Forensic Science International</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6213-6223.	1.9	25
60	In vitro stability of free and glucuronidated cannabinoids in urine following controlled smoked cannabis. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 785-792.	1.9	25
61	Hair analysis interpretation of an unusual case of alleged scopolamine-facilitated sexual assault. <i>Forensic Toxicology</i> , 2012, 30, 193-198.	1.4	24
62	Cocaine and metabolite concentrations in DBS and venous blood after controlled intravenous cocaine administration. <i>Bioanalysis</i> , 2015, 7, 2041-2056.	0.6	24
63	Quantitative analysis of opioids and cannabinoids in wastewater samples. <i>Forensic Sciences Research</i> , 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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 13-20.	1.2	23
65	Oral fluid cocaine and benzoylecgonine concentrations following controlled intravenous cocaine administration. <i>Forensic Science International</i> , 2016, 260, 95-101.	1.3	23
66	Bioanalysis during pregnancy: recent advances and novel sampling strategies. <i>Bioanalysis</i> , 2014, 6, 3133-3153.	0.6	22
67	Oral Fluid vs. Urine Analysis to Monitor Synthetic Cannabinoids and Classic Drugs Recent Exposure. <i>Current Pharmaceutical Biotechnology</i> , 2018, 18, 796-805.	0.9	21
68	Biochip array technology immunoassay performance and quantitative confirmation of designer piperazines for urine workplace drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4639-4648.	1.9	20
69	Development and validation of a liquid chromatography-tandem mass spectrometry assay for the simultaneous quantification of buprenorphine, norbuprenorphine, and metabolites in human urine. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 903-911.	1.9	19
70	Methamphetamine and Amphetamine Isomer Concentrations in Human Urine Following Controlled Vicks Vapoinhaler Administration. <i>Journal of Analytical Toxicology</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 513-522.	1.9	18
72	One Hundred False-Positive Amphetamine Specimens Characterized by Liquid Chromatography Time-of-Flight Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2016, 40, bk101.	1.7	18

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

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91	<i>ABCC3</i> Polymorphisms and mRNA Expression Influence the Concentration of a Carboxylic Acid Metabolite in Patients on Clopidogrel and Aspirin Therapy. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 120, 466-474.	1.2	2
92	Meconium and maternal hair analysis vs. medical records to monitor antidepressants and benzodiazepines exposure during pregnancy. <i>Forensic Toxicology</i> , 2021, 39, 417-426.	1.4	2
93	Fast and Sensitive Method for the Determination of 17 Designer Benzodiazepines in Hair by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 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. <i>Forensic Toxicology</i> , 2019, 37, 90-103.	1.4	1
95	Evaluation and applicability of Alere iCup DX 14 for rapid postmortem urine drug screening at autopsy. <i>Journal of Forensic Sciences</i> , 2021, 66, 375-382.	0.9	1
96	Editorial: Current Analytical Trends in Drug Testing in Clinical and Forensic Toxicology. <i>Frontiers in Chemistry</i> , 2021, 9, 673397.	1.8	1
97	Cytotoxicity, crosslinking and biological activity of three mitomycins. <i>Bioorganic Chemistry</i> , 2022, 123, 105744.	2.0	1
98	Analytical Techniques for the Identification and Quantification of Drugs and Metabolites in Wastewater Samples. <i>ACS Symposium Series</i> , 2019, , 23-50.	0.5	0
99	Detection of benzodiazepines and antidepressants consumption during pregnancy: Maternal hair vs. meconium. <i>Toxicologie Analytique Et Clinique</i> , 2019, 31, S19.	0.1	0