

Marta Concheiro

List of Publications by Citations

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97
papers

2,905
citations

32
h-index

49
g-index

99
ext. papers

3,247
ext. citations

3.4
avg, IF

5.3
L-index

#	Paper	IF	Citations
97	Target screening and confirmation of 35 licit and illicit drugs and metabolites in hair by LC-MSMS. <i>Forensic Science International</i> , 2012 , 217, 207-15	2.6	107
96	The corticotropin releasing hormone-1 (CRH1) receptor antagonist pexacerfont in alcohol dependence: a randomized controlled experimental medicine study. <i>Neuropsychopharmacology</i> , 2015 , 40, 1053-63	8.7	102
95	Neuropharmacology of 3,4-Methylenedioxypropylvalerone (MDPV), Its Metabolites, and Related Analogs. <i>Current Topics in Behavioral Neurosciences</i> , 2017 , 32, 93-117	3.4	99
94	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, 9437-48	4.4	97
93	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, 631-43	5.5	95
92	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	4.5	92
91	LC-MS/MS method for the determination of nine antidepressants and some of their main metabolites in oral fluid and plasma. Study of correlation between venlafaxine concentrations in both matrices. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 183-93	3.5	90
90	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, 2329-38	4.4	85
89	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, 72-8	3.2	84
88	Linear pharmacokinetics of 3,4-methylenedioxypropylvalerone (MDPV) and its metabolites in the rat: relationship to pharmacodynamic effects. <i>Addiction Biology</i> , 2016 , 21, 339-47	4.6	76
87	Screening and confirmatory method for benzodiazepines and hypnotics in oral fluid by LC-MS/MS. <i>Forensic Science International</i> , 2005 , 150, 213-20	2.6	65
86	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	2.6	62
85	A test of the cognitive self-medication hypothesis of tobacco smoking in schizophrenia. <i>Biological Psychiatry</i> , 2013 , 74, 436-43	7.9	58
84	Confirmation by LC-MS of drugs in oral fluid obtained from roadside testing. <i>Forensic Science International</i> , 2007 , 170, 156-62	2.6	54
83	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, 915-24	4.4	50
82	Determination of drugs of abuse and their metabolites in human plasma by liquid chromatography-mass spectrometry. An application to 156 road fatalities. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 832, 81-9	3.2	50
81	Postmortem Toxicology of New Synthetic Opioids. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1210	5.6	50

80	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	3.2	49
79	Synthetic cathinone pharmacokinetics, analytical methods, and toxicological findings from human performance and postmortem cases. <i>Drug Metabolism Reviews</i> , 2016 , 48, 237-65	7	46
78	Maternal hair analysis for the detection of illicit drugs, medicines, and alcohol exposure during pregnancy. <i>Therapeutic Drug Monitoring</i> , 2013 , 35, 296-304	3.2	41
77	4-Methoxy- μ 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	2.6	40
76	In vitro, in vivo and in silico metabolic profiling of μ pyrrolidinopentiothiophenone, a novel thiophene stimulant. <i>Bioanalysis</i> , 2016 , 8, 65-82	2.1	40
75	Alternative matrices for cocaine, heroin, and methadone in utero drug exposure detection. <i>Therapeutic Drug Monitoring</i> , 2013 , 35, 502-9	3.2	40
74	Maternal buprenorphine dose, placenta buprenorphine, and metabolite concentrations and neonatal outcomes. <i>Therapeutic Drug Monitoring</i> , 2010 , 32, 206-15	3.2	40
73	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, 221-6	2.6	39
72	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	6.6	37
71	Simultaneous quantification of (Δ)-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, 123-30	4.5	37
70	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	4.4	37
69	Simultaneous quantification of methadone, cocaine, opiates, and metabolites in human placenta by liquid chromatography-mass spectrometry. <i>Journal of Analytical Toxicology</i> , 2009 , 33, 243-52	2.9	36
68	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, 619-26	3.2	35
67	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	4.5	34
66	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, 4845-56	4.4	34
65	Mu Opioid Receptor Binding Correlates with Nicotine Dependence and Reward in Smokers. <i>PLoS ONE</i> , 2014 , 9, e113694	3.7	32
64	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	2.9	31
63	Microextraction sample preparation techniques in forensic analytical toxicology. <i>Biomedical Chromatography</i> , 2019 , 33, e4444	1.7	31

62	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, 1945-55	4.4	29
61	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, 361-72	5.5	29
60	Urinary excretion of buprenorphine, norbuprenorphine, buprenorphine-glucuronide, and norbuprenorphine-glucuronide in pregnant women receiving buprenorphine maintenance treatment. <i>Clinical Chemistry</i> , 2009 , 55, 1177-87	5.5	29
59	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, 573-80	2.9	29
58	Nonlinear pharmacokinetics of (+/-)3,4-methylenedioxymethamphetamine (MDMA) and its pharmacodynamic consequences in the rat. <i>Drug Metabolism and Disposition</i> , 2014 , 42, 119-25	4	27
57	Ethylglucuronide determination in urine and hair from alcohol withdrawal patients. <i>Journal of Analytical Toxicology</i> , 2009 , 33, 155-61	2.9	27
56	Development and validation of a method for the quantitation of Delta9tetrahydrocannabinol 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, 319-24	3.2	27
55	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	2.6	26
54	Bioanalysis for cocaine, opiates, methadone, and amphetamines exposure detection during pregnancy. <i>Drug Testing and Analysis</i> , 2017 , 9, 898-904	3.5	26
53	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, 565-70	3.2	26
52	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	4.5	25
51	Detection of in utero cannabis exposure by umbilical cord analysis. <i>Drug Testing and Analysis</i> , 2018 , 10, 636-643	3.5	25
50	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, 4295-305	4.4	25
49	Prenatal methadone exposure, meconium biomarker concentrations and neonatal abstinence syndrome. <i>Addiction</i> , 2010 , 105, 2151-9	4.6	25
48	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, 3065-71	3.2	25
47	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, 2976-82	2.2	25
46	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, 144-51	2.6	24
45	Drug exposure during pregnancy: analytical methods and toxicological findings. <i>Bioanalysis</i> , 2018 , 10, 587-606	2.1	23

44	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, 6213-23	4.4	23
43	Stability of synthetic cathinones in oral fluid samples. <i>Forensic Science International</i> , 2017 , 274, 13-21	2.6	22
42	Cocaine and metabolite concentrations in DBS and venous blood after controlled intravenous cocaine administration. <i>Bioanalysis</i> , 2015 , 7, 2041-56	2.1	20
41	Pharmacokinetic Profiles and Pharmacodynamic Effects for Methylone and Its Metabolites in Rats. <i>Neuropsychopharmacology</i> , 2017 , 42, 649-660	8.7	20
40	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	3.2	20
39	Oral fluid cocaine and benzoylecgonine concentrations following controlled intravenous cocaine administration. <i>Forensic Science International</i> , 2016 , 260, 95-101	2.6	19
38	Wastewater analysis for nicotine, cocaine, amphetamines, opioids and cannabis in New York City. <i>Forensic Sciences Research</i> , 2019 , 4, 152-167	3.6	18
37	Quantitative analysis of opioids and cannabinoids in wastewater samples. <i>Forensic Sciences Research</i> , 2017 , 2, 18-25	3.6	17
36	Hair analysis interpretation of an unusual case of alleged scopolamine-facilitated sexual assault. <i>Forensic Toxicology</i> , 2012 , 30, 193-198	2.6	17
35	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, 513-22	4.4	17
34	Distribution of synthetic opioids in postmortem blood, vitreous humor and brain. <i>Forensic Science International</i> , 2019 , 305, 109999	2.6	16
33	Bioanalysis during pregnancy: recent advances and novel sampling strategies. <i>Bioanalysis</i> , 2014 , 6, 3133-53		16
32	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	2.9	15
31	In vitro stability of free and glucuronidated cannabinoids in urine following controlled smoked cannabis. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 785-92	4.4	15
30	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, 903-11	4.4	15
29	One Hundred False-Positive Amphetamine Specimens Characterized by Liquid Chromatography Time-of-Flight Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2016 , 40, 37-42	2.9	14
28	Biochip array technology immunoassay performance and quantitative confirmation of designer piperazines for urine workplace drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4639-48	4.4	14
27	Pharmacodynamic effects and relationships to plasma and oral fluid pharmacokinetics after intravenous cocaine administration. <i>Drug and Alcohol Dependence</i> , 2016 , 163, 116-25	4.9	14

26	Oral Fluid vs. Urine Analysis to Monitor Synthetic Cannabinoids and Classic Drugs Recent Exposure. <i>Current Pharmaceutical Biotechnology</i> , 2017 , 18, 796-805	2.6	13
25	Morphine and codeine in oral fluid after controlled poppy seed administration. <i>Drug Testing and Analysis</i> , 2015 , 7, 586-91	3.5	12
24	Methamphetamine and amphetamine isomer concentrations in human urine following controlled Vicks VapoInhaler administration. <i>Journal of Analytical Toxicology</i> , 2014 , 38, 524-7	2.9	12
23	Oral fluid with three modes of collection and plasma methamphetamine and amphetamine enantiomer concentrations after controlled intranasal l-methamphetamine administration. <i>Drug Testing and Analysis</i> , 2015 , 7, 877-83	3.5	11
22	Cocaine and benzoylecgonine oral fluid on-site screening and confirmation. <i>Drug Testing and Analysis</i> , 2016 , 8, 296-303	3.5	10
21	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	2.6	9
20	Quantification of methylone and metabolites in rat and human plasma by liquid chromatography-tandem mass spectrometry. <i>Forensic Toxicology</i> , 2015 , 33, 202-212	2.6	9
19	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	3.2	8
18	Determination of 30 Synthetic Cathinones in Postmortem Blood Using LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2020 , 44, 679-687	2.9	7
17	LC-MS-MS Method for the Determination of Antidepressants and Benzodiazepines in Meconium. <i>Journal of Analytical Toxicology</i> , 2020 , 44, 580-588	2.9	7
16	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	3.5	5
15	Synthesis of Mitomycin C and Decarbamoylmitomycin C N(2) deoxyguanosine-adducts. <i>Bioorganic Chemistry</i> , 2016 , 65, 90-9	5.1	5
14	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	4.7	4
13	Assessment of Tobacco Exposure During Pregnancy by Meconium Analysis and Maternal Interview. <i>Journal of Analytical Toxicology</i> , 2020 , 44, 797-802	2.9	2
12	ABCC3 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	3.1	2
11	Semi quantitative detection of signature peptides in body fluids by liquid chromatography tandem mass spectrometry (LCMS/MS). <i>Forensic Science International: Genetics Supplement Series</i> , 2019 , 7, 208-210 ⁵	0.5	2
10	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	1.7	2
9	Nicotinic receptor modulation of the default mode network. <i>Psychopharmacology</i> , 2021 , 238, 589-597	4.7	2

8	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	2.6	1
7	Meconium and maternal hair analysis vs. medical records to monitor antidepressants and benzodiazepines exposure during pregnancy. <i>Forensic Toxicology</i> , 2021 , 39, 417-426	2.6	1
6	Assessment of biological matrices for the detection of in utero cannabis exposure. <i>Drug Testing and Analysis</i> , 2021 , 13, 1371-1382	3.5	1
5	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	1.8	1
4	Quantification of Classic, Prescription and Synthetic Opioids in Hair by LC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2021 , 45, 943-949	2.9	0
3	Analytical Techniques for the Identification and Quantification of Drugs and Metabolites in Wastewater Samples. <i>ACS Symposium Series</i> , 2019 , 23-50	0.4	
2	Detection of benzodiazepines and antidepressants consumption during pregnancy: Maternal hair vs. meconium. <i>Toxicologie Analytique Et Clinique</i> , 2019 , 31, S19	0.4	
1	Cytotoxicity, crosslinking and biological activity of three mitomycins.. <i>Bioorganic Chemistry</i> , 2022 , 123, 105744	5.1	