Oscar J Pozo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3226614/publications.pdf

Version: 2024-02-01

182	7,819	38742 50	71685 76
papers	citations	h-index	g-index

183	183	183	6719
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simultaneous Determination of Multiple Phytohormones in Plant Extracts by Liquid Chromatographyâ^'Electrospray Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2005, 53, 8437-8442.	5.2	270
2	Critical review of the application of liquid chromatography/mass spectrometry to the determination of pesticide residues in biological samples. Analytical and Bioanalytical Chemistry, 2005, 382, 934-946.	3.7	220
3	Residue determination of glyphosate, glufosinate and aminomethylphosphonic acid in water and soil samples by liquid chromatography coupled to electrospray tandem mass spectrometry. Journal of Chromatography A, 2005, 1081, 145-155.	3.7	213
4	Multiresidue liquid chromatography tandem mass spectrometry determination of 52 non gas chromatography-amenable pesticides and metabolites in different food commodities. Journal of Chromatography A, 2006, 1109, 242-252.	3.7	200
5	Residue determination of cyromazine and its metabolite melamine in chard samples by ion-pair liquid chromatography coupled to electrospray tandem mass spectrometry. Analytica Chimica Acta, 2005, 530, 237-243.	5.4	168
6	Efficient approach for the reliable quantification and confirmation of antibiotics in water using on-line solid-phase extraction liquid chromatography/tandem mass spectrometry. Journal of Chromatography A, 2006, 1103, 83-93.	3.7	154
7	Strategies for quantification and confirmation of multi-class polar pesticides and transformation products in water by LCâ€“MS2 using triple quadrupole and hybrid quadrupole time-of-flight analyzers. TrAC - Trends in Analytical Chemistry, 2005, 24, 596-612.	11.4	153
8	Comparison of Different Mass Spectrometric Techniques Combined with Liquid Chromatography for Confirmation of Pesticides in Environmental Water Based on the Use of Identification Points. Analytical Chemistry, 2004, 76, 4349-4357.	6.5	132
9	Use of quadrupole time-of-flight mass spectrometry in the elucidation of unknown compounds present in environmental water. Rapid Communications in Mass Spectrometry, 2005, 19, 169-178.	1.5	132
10	Rapid direct determination of pesticides and metabolites in environmental water samples at sub-Î¼g/l level by on-line solid-phase extraction-liquid chromatographyâ€“electrospray tandem mass spectrometry. Journal of Chromatography A, 2001, 939, 1-11.	3.7	124
11	Re-evaluation of glyphosate determination in water by liquid chromatography coupled to electrospray tandem mass spectrometry. Journal of Chromatography A, 2006, 1134, 51-55.	3.7	115
12	Dilute-and-shoot-liquid chromatography-mass spectrometry for urine analysis in doping control and analytical toxicology. TrAC - Trends in Analytical Chemistry, 2014, 55, 1-13.	11.4	110
13	Maternal separation induces neuroinflammation and long-lasting emotional alterations in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 65, 104-117.	4.8	110
14	Confirmation of organic micropollutants detected in environmental samples by liquid chromatography tandem mass spectrometry: Achievements and pitfalls. TrAC - Trends in Analytical Chemistry, 2006, 25, 1030-1042.	11.4	101
15	Efficient Approach for the Comprehensive Detection of Unknown Anabolic Steroids and Metabolites in Human Urine by Liquid Chromatographyâ^'Electrospray-Tandem Mass Spectrometry. Analytical Chemistry, 2008, 80, 1709-1720.	6.5	101
16	Use of Liquid Chromatography Coupled to Quadrupole Time-of-Flight Mass Spectrometry To Investigate Pesticide Residues in Fruits. Analytical Chemistry, 2007, 79, 2833-2843.	6.5	93
17	Use of LC-MS/MS for the Open Detection of Steroid Metabolites Conjugated with Glucuronic Acid. Analytical Chemistry, 2013, 85, 5005-5014.	6.5	93
18	Ionization of anabolic steroids by adduct formation in liquid chromatography electrospray mass spectrometry. Journal of Mass Spectrometry, 2007, 42, 497-516.	1.6	92

#	Article	IF	Citations
19	Collisionâ€induced dissociation of 3â€keto anabolic steroids and related compounds after electrospray ionization. Considerations for structural elucidation. Rapid Communications in Mass Spectrometry, 2008, 22, 4009-4024.	1.5	89
20	Direct quantification of steroid glucuronides in human urine by liquid chromatographyâ€“electrospray tandem mass spectrometry. Journal of Chromatography A, 2008, 1183, 108-118.	3.7	87
21	Study of matrix effects on the direct trace analysis of acidic pesticides in water using various liquid chromatographic modes coupled to tandem mass spectrometric detection. Journal of Chromatography A, 2001, 926, 113-125.	3.7	86
22	Metabolomic approaches for orange origin discrimination by ultra-high performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry. Food Chemistry, 2014, 157, 84-93.	8.2	85
23	Potential of liquid chromatography/time-of-flight mass spectrometry for the determination of pesticides and transformation products in water. Analytical and Bioanalytical Chemistry, 2006, 386, 987-997.	3.7	81
24	Use of Quadrupole Time-of-Flight Mass Spectrometry in Environmental Analysis:Â Elucidation of Transformation Products of Triazine Herbicides in Water after UV Exposure. Analytical Chemistry, 2004, 76, 1328-1335.	6.5	79
25	Detection and characterization of anabolic steroids in doping analysis by LC-MS. TrAC - Trends in Analytical Chemistry, 2008, 27, 657-671.	11.4	79
26	Determination of the herbicide 4-chloro-2-methylphenoxyacetic acid and its main metabolite, 4-chloro-2-methylphenol in water and soil by liquid chromatographyâ€“electrospray tandem mass spectrometry. Journal of Chromatography A, 2001, 923, 75-85.	3.7	78
27	Direct determination of chlorpyrifos and its main metabolite 3,5,6-trichloro-2-pyridinol in human serum and urine by coupled-column liquid chromatography/electrospray-tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 1485-1490.	1.5	74
28	Analytical strategies based on mass spectrometric techniques for the study of steroid metabolism. TrAC - Trends in Analytical Chemistry, 2014, 53, 106-116.	11.4	74
29	Mass Spectrometric Evaluation of Mephedrone In Vivo Human Metabolism: Identification of Phase I and Phase II Metabolites, Including a Novel Succinyl Conjugate. Drug Metabolism and Disposition, 2015, 43, 248-257.	3.3	73
30	Direct analysis of abscisic acid in crude plant extracts by liquid chromatography-electrospray/tandem mass spectrometry. Phytochemical Analysis, 2002, 13, 228-234.	2.4	72
31	Quantification, confirmation and screening capability of UHPLC coupled to triple quadrupole and hybrid quadrupole timeâ€ofâ€flight mass spectrometry in pesticide residue analysis. Journal of Mass Spectrometry, 2010, 45, 421-436.	1.6	72
32	Targeting tryptophan and tyrosine metabolism by liquid chromatography tandem mass spectrometry. Journal of Chromatography A, 2016, 1434, 91-101.	3.7	72
33	Derivatization of steroids in biological samples for GCâ€“MS and LCâ€“MS analyses. Bioanalysis, 2015, 7, 2515-2536.	1.5	71
34	Different quantitation approaches for xenobiotics in human urine samples by liquid chromatography/electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 639-645.	1.5	67
35	The evenâ€electron rule in electrospray mass spectra of pesticides. Rapid Communications in Mass Spectrometry, 2007, 21, 3855-3868.	1.5	67
36	Alternative long-term markers for the detection of methyltestosterone misuse. Steroids, 2013, 78, 44-52.	1.8	67

#	Article	IF	Citations
37	Direct determination of alkyl phosphates in human urine by liquid chromatography/electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1766-1773.	1.5	66
38	Circadian Variation of Melatonin, Light Exposure, and Diurnal Preference in Day and Night Shift Workers of Both Sexes. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 1176-1186.	2.5	66
39	Liquid chromatography and tandem mass spectrometry: a powerful approach for the sensitive and rapid multiclass determination of pesticides and transformation products in water. Analyst, The, 2004, 129, 38-44.	3.5	65
40	Metabolic Signatures Associated with Severity in Hospitalized COVID-19 Patients. International Journal of Molecular Sciences, 2021, 22, 4794.	4.1	62
41	Determination of abamectin and azadirachtin residues in orange samples by liquid chromatographyâ€“electrospray tandem mass spectrometry. Journal of Chromatography A, 2003, 992, 133-140.	3.7	61
42	Development and validation of a qualitative screening method for the detection of exogenous anabolic steroids in urine by liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2007, 389, 1209-1224.	3.7	61
43	Investigation of endogenous corticosteroids profiles in human urine based on liquid chromatography tandem mass spectrometry. Analytica Chimica Acta, 2014, 812, 92-104.	5.4	60
44	New potential markers for the detection of boldenone misuse. Journal of Steroid Biochemistry and Molecular Biology, 2012, 132, 239-246.	2.5	59
45	An estimation of the exposure to organophosphorus pesticides through the simultaneous determination of their main metabolites in urine by liquid chromatography?tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 808, 229-239.	2.3	58
46	A new sulphate metabolite as a long-term marker of metandienone misuse. Steroids, 2013, 78, 1245-1253.	1.8	57
47	GC/MS in Recent Years Has Defined the Normal and Clinically Disordered Steroidome: Will It Soon Be Surpassed by LC/Tandem MS in This Role?. Journal of the Endocrine Society, 2018, 2, 974-996.	0.2	57
48	Qualitative detection of diuretics and acidic metabolites of other doping agents in human urine by high-performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2009, 1216, 5819-5827.	3.7	56
49	Detection and structural investigation of metabolites of stanozolol in human urine by liquid chromatography tandem mass spectrometry. Steroids, 2009, 74, 837-852.	1.8	56
50	Increased and Mistimed Sex Hormone Production in Night Shift Workers. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 854-863.	2.5	54
51	Quantification and confirmation of anionic, cationic and neutral pesticides and transformation products in water by on-line solid phase extractionâ€“liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2006, 1133, 204-214.	3.7	51
52	Use of ultraâ€highâ€pressure liquid chromatographyâ€“quadrupole timeâ€ofâ€flight MS to discover the presence of pesticide metabolites in food samples. Journal of Separation Science, 2009, 32, 2245-2261.	2.5	51
53	Quantification of endogenous neurotransmitters and related compounds by liquid chromatography coupled to tandem mass spectrometry. Talanta, 2019, 192, 93-102.	5.5	51
54	Determination of tridemorph and other fungicide residues in fruit samples by liquid chromatographyâ€“electrospray tandem mass spectrometry. Journal of Chromatography A, 2004, 1045, 137-143.	3.7	50

#	Article	IF	Citations
55	Detection and Characterization of a New Metabolite of 17Î±-Methyltestosterone. Drug Metabolism and Disposition, 2009, 37, 2153-2162.	3.3	50
56	Method optimization for the determination of four mercury species by micro-liquid chromatographyâ€“inductively coupled plasma mass spectrometry coupling in environmental water samples. Analytica Chimica Acta, 2006, 577, 18-25.	5.4	49
57	Development and validation of an LCâ€“MS/MS method for the quantification of ephedrines in urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 369-374.	2.3	49
58	uPA+/+-SCID Mouse with Humanized Liver as a Model for In Vivo Metabolism of Exogenous Steroids: Methandienone as a Case Study. Clinical Chemistry, 2009, 55, 1783-1793.	3.2	48
59	Evaluation of different quantitative approaches for the determination of noneasily ionizable molecules by different atmospheric pressure interfaces used in liquid chromatography tandem mass spectrometry: Abamectin as case of study. Journal of the American Society for Mass Spectrometry, 2005, 16, 1619-1630.	2.8	46
60	Investigating the presence of pesticide transformation products in water by using liquid chromatographyâ€“mass spectrometry with different mass analyzers. Journal of Mass Spectrometry, 2008, 43, 173-184.	1.6	46
61	Evaluation of different scan methods for the urinary detection of corticosteroid metabolites by liquid chromatography tandem mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 929-944.	1.6	46
62	Comparison between triple quadrupole, time of flight and hybrid quadrupole time of flight analysers coupled to liquid chromatography for the detection of anabolic steroids in doping control analysis. Analytica Chimica Acta, 2011, 684, 107-120.	5.4	46
63	Use of liquid chromatography quadrupole time-of-flight mass spectrometry in the elucidation of transformation products and metabolites of pesticides. Diazinon as a case study. Analytical and Bioanalytical Chemistry, 2005, 384, 448-457.	3.7	45
64	Maternal separation increases alcohol-drinking behaviour and reduces endocannabinoid levels in the mouse striatum and prefrontal cortex. European Neuropsychopharmacology, 2018, 28, 499-512.	0.7	45
65	Current LCâ€“MS methods and procedures applied to the identification of new steroid metabolites. Journal of Steroid Biochemistry and Molecular Biology, 2016, 162, 41-56.	2.5	44
66	Testosterone metabolism revisited: discovery of new metabolites. Analytical and Bioanalytical Chemistry, 2010, 398, 1759-1770.	3.7	43
67	Targeting human urinary metabolome by LCâ€“MS/MS: a review. Bioanalysis, 2018, 10, 489-516.	1.5	42
68	Quantifying endogenous androgens, estrogens, pregnenolone and progesterone metabolites in human urine by gas chromatography tandem mass spectrometry. Talanta, 2017, 169, 20-29.	5.5	40
69	Pesticide residues and transformation products in groundwater from a Spanish agricultural region on the Mediterranean Coast. International Journal of Environmental Analytical Chemistry, 2008, 88, 409-424.	3.3	39
70	Untargeted Metabolomics in Doping Control: Detection of New Markers of Testosterone Misuse by Ultrahigh Performance Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. Analytical Chemistry, 2015, 87, 8373-8380.	6.5	39
71	Rapid Determination of Fosetyl-Aluminum Residues in Lettuce by Liquid Chromatography/Electrospray Tandem Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2003, 86, 832-838.	1.5	38
72	Capabilities of microbore columns coupled to inductively coupled plasma mass spectrometry in speciation of arsenic and selenium. Journal of Chromatography A, 2008, 1202, 132-137.	3.7	38

#	Article	IF	Citations
73	Analytical strategy to investigate 3,4-methylenedioxypyrovalerone (MDPV) metabolites in consumersâ€™ urine by high-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 151-164.	3.7	38
74	Pharmacokinetics of maslinic and oleanolic acids from olive oil â€“ Effects on endothelial function in healthy adults. A randomized, controlled, doseâ€“response study. Food Chemistry, 2020, 322, 126676.	8.2	38
75	Identification of budesonide metabolites in human urine after oral administration. Analytical and Bioanalytical Chemistry, 2012, 404, 325-340.	3.7	37
76	Detection, synthesis and characterization of metabolites of steroid hormones conjugated with cysteine. Steroids, 2013, 78, 327-336.	1.8	37
77	Screening for anabolic steroids in sports: Analytical strategy based on the detection of phase I and phase II intact urinary metabolites by liquid chromatography tandem mass spectrometry. Journal of Chromatography A, 2015, 1389, 65-75.	3.7	37
78	Elucidation of urinary metabolites of fluoxymesterone by liquid chromatographyâ€tandem mass spectrometry and gas chromatographyâ€mass spectrometry. Journal of Mass Spectrometry, 2008, 43, 394-408.	1.6	36
79	In vitro metabolism study of a black market product containing SARM LGDâ€4033. Drug Testing and Analysis, 2017, 9, 168-178.	2.6	35
80	Glutamine-Directed Migration of Cancer-Activated Fibroblasts Facilitates Epithelial Tumor Invasion. Cancer Research, 2021, 81, 438-451.	0.9	35
81	Normalizing Ovulation Rate by Preferential Reduction of Hepato-Visceral Fat in Adolescent Girls With Polycystic Ovary Syndrome. Journal of Adolescent Health, 2017, 61, 446-453.	2.5	34
82	Dysregulation of homocysteine homeostasis in acute intermittent porphyria patients receiving heme arginate or givosiran. Journal of Inherited Metabolic Disease, 2021, 44, 961-971.	3.6	34
83	Multiresidue pesticide analysis of fruits by ultra-performance liquid chromatography tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2007, 389, 1765-1771.	3.7	33
84	Mass spectrometric behavior of anabolic androgenic steroids using gas chromatography coupled to atmospheric pressure chemical ionization source. Part I: Ionization. Journal of Mass Spectrometry, 2014, 49, 509-521.	1.6	33
85	Determination of the steroid profile in alternative matrices by liquid chromatography tandem mass spectrometry. Journal of Steroid Biochemistry and Molecular Biology, 2020, 197, 105520.	2.5	33
86	Direct Determination of Paclobutrazol Residues in Pear Samples by Liquid Chromatography-Electrospray Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2003, 51, 4202-4206.	5.2	32
87	An ion-pairing liquid chromatography/tandem mass spectrometric method for the determination of ethephon residues in vegetables. Rapid Communications in Mass Spectrometry, 2006, 20, 419-426.	1.5	32
88	Combination of liquidâ€chromatography tandem mass spectrometry in different scan modes with human and chimeric mouse urine for the study of steroid metabolism. Drug Testing and Analysis, 2009, 1, 554-567.	2.6	32
89	Detection of dihydrotestosterone gel, oral dehydroepiandrosterone, and testosterone gel misuse through the quantification of testosterone metabolites released after alkaline treatment. Drug Testing and Analysis, 2011, 3, 828-835.	2.6	31
90	Urinary profile of methylprednisolone and its metabolites after oral and topical administrations. Journal of Steroid Biochemistry and Molecular Biology, 2013, 138, 214-221.	2.5	31

#	Article	IF	Citations
91	Constant Ion Loss Method for the Untargeted Detection of Bis-sulfate Metabolites. Analytical Chemistry, 2017, 89, 1602-1609.	6.5	31
92	Pharmacokinetics of Mephedrone and Its Metabolites in Human by LC-MS/MS. AAPS Journal, 2017, 19, 1767-1778.	4.4	31
93	Direct quantification of 11â€norâ€”⁹â€tetrahydrocannabinolâ€9â€carboxylic acid in urine by liquid chromatography/tandem mass spectrometry in relation to doping control analysis. Rapid Communications in Mass Spectrometry, 2010, 24, 1133-1141.	1.5	30
94	Alternative markers for the long-term detection of oral testosterone misuse. Steroids, 2011, 76, 1367-1376.	1.8	29
95	Using complementary mass spectrometric approaches for the determination of methylprednisolone metabolites in human urine. Rapid Communications in Mass Spectrometry, 2012, 26, 541-553.	1.5	29
96	Potential of atmospheric pressure chemical ionization source in gas chromatography tandem mass spectrometry for the screening of urinary exogenous androgenic anabolic steroids. Analytica Chimica Acta, 2016, 906, 128-138.	5.4	29
97	Chronic pain causes a persistent anxiety state leading to increased ethanol intake in CD1 mice. Journal of Psychopharmacology, 2016, 30, 188-203.	4.0	29
98	Study of different atmospheric-pressure interfaces for LC-MS/MS determination of acrylamide in water at sub-ppb levels. Journal of Mass Spectrometry, 2006, 41, 1041-1048.	1.6	27
99	Presence of endogenous interferences in the urinary detection of selected anabolic steroids by liquid chromatography/electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 2785-2796.	1.5	27
100	Discrimination of Prohibited Oral Use From Authorized Inhaled Treatment of Budesonide in Sports. Therapeutic Drug Monitoring, 2013, 35, 118-128.	2.0	27
101	Detection and characterization of clostebol sulfate metabolites in Caucasian population. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1022, 54-63.	2.3	27
102	Detection and characterization of urinary metabolites of boldione by LCâ€MS/MS. Part I: Phase I metabolites excreted free, as glucuronide and sulfate conjugates, and released after alkaline treatment of the urine. Drug Testing and Analysis, 2012, 4, 775-785.	2.6	26
103	Detection and characterization of prednisolone metabolites in human urine by LC-MS/MS. Journal of Mass Spectrometry, 2015, 50, 633-642.	1.6	26
104	Steroid metabolism in chimeric mice with humanized liver. Drug Testing and Analysis, 2009, 1, 531-537.	2.6	25
105	Evaluation of two glucuronides resistant to enzymatic hydrolysis as markers of testosterone oral administration. Journal of Steroid Biochemistry and Molecular Biology, 2017, 165, 212-218.	2.5	25
106	Determination of steroid profile in hair by liquid chromatography tandem mass spectrometry. Journal of Chromatography A, 2020, 1624, 461179.	3.7	25
107	Stability of selected chlorinated thiazide diuretics. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 519-524.	2.8	24
108	Sensitive and robust method for anabolic agents in human urine by gas chromatographyâ€“triple quadrupole mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 897, 85-89.	2.3	24

#	Article	IF	Citations
109	Microwave-assisted derivatization: Application to steroid profiling by gas chromatography/mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 960, 8-13.	2.3	24
110	Maternal exposure to air pollution during pregnancy and cortisol level in cord blood. Science of the Total Environment, 2020, 713, 136622.	8.0	24
111	Sex differences in fear memory consolidation via Tac2 signaling in mice. Nature Communications, 2021, 12, 2496.	12.8	24
112	Development of a qualitative liquid chromatography/tandem mass spectrometric method for the detection of narcotics in urine relevant to doping analysis. Rapid Communications in Mass Spectrometry, 2007, 21, 3015-3023.	1.5	23
113	Mass spectrometric characterization of urinary toremifene metabolites for doping control analyses. Journal of Chromatography A, 2011, 1218, 4727-4737.	3.7	23
114	Comprehensive analysis of the tryptophan metabolome in urine of patients with acute intermittent porphyria. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1060, 347-354.	2.3	23
115	Liquid chromatography/tandem mass spectrometry determination of (4S,2RS)-2,5,5-trimethylthiazolidine-4-carboxylic acid, a stable adduct formed between D-(â€“)-penicillamine and acetaldehyde (main biological metabolite of ethanol), in plasma, liver and brain rat tissues. Rapid Communications in Mass Spectrometry, 2007, 21, 1221-1229.	1.5	22
116	Quantification of testosterone and metabolites released after alkaline treatment in human urine. Drug Testing and Analysis, 2010, 2, 630-636.	2.6	21
117	Detection and characterization of triamcinolone acetonide metabolites in human urine by liquid chromatography/tandem mass spectrometry after intramuscular administration. Rapid Communications in Mass Spectrometry, 2014, 28, 1829-1839.	1.5	21
118	Metabolomics predicts the pharmacological profile of new psychoactive substances. Journal of Psychopharmacology, 2019, 33, 347-354.	4.0	21
119	Liquid chromatography tandem mass spectrometric determination of triterpenes in human fluids: Evaluation of markers of dietary intake of olive oil and metabolic disposition of oleanolic acid and maslinic acid in humans. Analytica Chimica Acta, 2017, 990, 84-95.	5.4	20
120	SULFATION PATHWAYS: Alternate steroid sulfation pathways targeted by LCâ€“MS/MS analysis of disulfates: application to prenatal diagnosis of steroid synthesis disorders. Journal of Molecular Endocrinology, 2018, 61, M1-M12.	2.5	20
121	Improving liquid chromatography-tandem mass spectrometry determination of polycarboxylic acids in human urine by chemical derivatization. Comparison of o-benzyl hydroxylamine and 2-picolyl amine. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 382-394.	2.8	20
122	Quantification of testosterone undecanoate in human hair by liquid chromatographyâ€“tandem mass spectrometry. Biomedical Chromatography, 2009, 23, 873-880.	1.7	19
123	Detection of urinary markers for thiazide diuretics after oral administration of hydrochlorothiazide and altizide-relevance to doping control analysis. Journal of Chromatography A, 2009, 1216, 2466-2473.	3.7	19
124	Quantitative detection of inhaled formoterol in human urine and relevance to doping control analysis. Drug Testing and Analysis, 2012, 4, 449-454.	2.6	19
125	Detection and characterization of betamethasone metabolites in human urine by LCâ€MS/MS. Drug Testing and Analysis, 2015, 7, 663-672.	2.6	19
126	GCâ€“MS Quantification Method for Mephedrone in Plasma and Urine: Application to Human Pharmacokinetics. Journal of Analytical Toxicology, 2017, 41, 100-106.	2.8	19

#	Article	IF	Citations
127	Ion chemistry of a series of cluster compounds with Mo3Q4 and Mo3Mâ€²Q4 (Q=S, Se; Mâ€²=Cu, Co, Ni) cores containing 1,2 diphosphanes as ancillary ligands: New insights on the gas-phase stability from electrospray tandem mass spectrometry. International Journal of Mass Spectrometry, 2006, 254, 28-36.	1.5	18
128	Use of quadrupole timeâ€ofâ€flight mass spectrometry to determine proposed structures of transformation products of the herbicide bromacil after water chlorination. Rapid Communications in Mass Spectrometry, 2011, 25, 3103-3113.	1.5	18
129	Recent developments in MS for small molecules: application to human doping control analysis. Bioanalysis, 2012, 4, 197-212.	1.5	18
130	Evaluation of urinary excretion of androgens conjugated to cysteine in human pregnancy by mass spectrometry. Journal of Steroid Biochemistry and Molecular Biology, 2014, 139, 192-200.	2.5	18
131	Evaluation of the reporting level to detect triamcinolone acetonide misuse in sports. Journal of Steroid Biochemistry and Molecular Biology, 2015, 145, 94-102.	2.5	18
132	Ultra high performance liquid chromatography tandem mass spectrometric detection of glucuronides resistant to enzymatic hydrolysis: Implications to doping control analysis. Analytica Chimica Acta, 2015, 895, 35-44.	5.4	17
133	Doseâ€Response Pharmacological Study of Mephedrone and Its Metabolites: Pharmacokinetics, Serotoninergic Effects, and Impact of CYP2D6 Genetic Variation. Clinical Pharmacology and Therapeutics, 2019, 106, 596-604.	4.7	17
134	Determination of up to twenty carboxylic acid containing compounds in clinically relevant matrices by o-benzylhydroxylamine derivatization and liquid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2022, 208, 114450.	2.8	17
135	Current status and bioanalytical challenges in the detection of unknown anabolic androgenic steroids in doping control analysis. Bioanalysis, 2013, 5, 2661-2677.	1.5	16
136	Evaluation of markers out of the steroid profile for the screening of testosterone misuse. Part I: Transdermal administration. Drug Testing and Analysis, 2018, 10, 821-831.	2.6	16
137	Analytical Study of Trichlorfon Residues in Kaki Fruit and Cauliflower Samples by Liquid Chromatographyâ^'Electrospray Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2006, 54, 1188-1195.	5.2	15
138	Detection and characterization of urinary metabolites of boldione by LCâ€MS/MS. Part II: Conjugates with cysteine and Nâ€acetylcysteine. Drug Testing and Analysis, 2012, 4, 786-797.	2.6	15
139	Secondary interactions, an unexpected problem emerged between hydroxyl containing analytes and fused silica capillaries in anion-exchange micro-liquid chromatography. Journal of Chromatography A, 2007, 1172, 179-185.	3.7	14
140	Interpretation of urinary concentrations of pseudoephedrine and its metabolite cathine in relation to doping control. Drug Testing and Analysis, 2009, 1, 209-213.	2.6	14
141	Gas chromatographyâ€“mass spectrometry profiling of steroids in urine of patients with acute intermittent porphyria. Clinical Biochemistry, 2013, 46, 819-824.	1.9	14
142	Synthesis of steroid bisglucuronide and sulfate glucuronide reference materials: Unearthing neglected treasures of steroid metabolism. Steroids, 2019, 143, 25-40.	1.8	14
143	Prenatal greenspace exposure and cord blood cortisol levels: A cross-sectional study in a middle-income country. Environment International, 2020, 144, 106047.	10.0	14
144	Quantitative Detection of Inhaled Salmeterol in Human Urine and Relevance to Doping Control Analysis. Therapeutic Drug Monitoring, 2011, 33, 627-631.	2.0	12

#	Article	IF	Citations
145	Determination of selected endogenous anabolic androgenic steroids and ratios in urine by ultra high performance liquid chromatography tandem mass spectrometry and isotope pattern deconvolution. Journal of Chromatography A, 2017, 1515, 172-178.	3.7	12
146	Sulfate metabolites as alternative markers for the detection of 4â€chlorometandienone misuse in doping control. Drug Testing and Analysis, 2017, 9, 983-993.	2.6	12
147	Evaluation of markers out of the steroid profile for the screening of testosterone misuse. Part II: Intramuscular administration. Drug Testing and Analysis, 2018, 10, 849-859.	2.6	12
148	LCâ€MS/MS method for the quantification of new psychoactive substances and evaluation of their urinary detection in humans for doping control analysis. Drug Testing and Analysis, 2020, 12, 785-797.	2.6	12
149	Adrenal hormonal imbalance in acute intermittent porphyria patients: results of a case control study. Orphanet Journal of Rare Diseases, 2014, 9, 54.	2.7	11
150	The Tryptophan System in Cocaine-Induced Depression. Journal of Clinical Medicine, 2020, 9, 4103.	2.4	11
151	Acute Effects of 2C-E in Humans: An Observational Study. Frontiers in Pharmacology, 2020, 11, 233.	3.5	11
152	Direct quantification of morphine glucuronides and free morphine in urine by liquid chromatographyâ€“tandem mass spectrometry. Forensic Toxicology, 2012, 30, 106-113.	2.4	10
153	Urinary cysteinyl progestogens: Occurrence and origin. Journal of Steroid Biochemistry and Molecular Biology, 2015, 152, 53-61.	2.5	10
154	Synthesis and characterization of 6Î²â€hydroxyandrosterone and 6Î²â€hydroxyetiocholanolone conjugated with glucuronic acid. Drug Testing and Analysis, 2015, 7, 247-252.	2.6	10
155	Evaluation of uncertainty sources in the determination of testosterone in urine by calibration-based and isotope dilution quantification using ultra high performance liquid chromatography tandem mass spectrometry. Journal of Chromatography A, 2017, 1508, 73-80.	3.7	10
156	Elimination profiles of prednisone and prednisolone after different administration routes: Evaluation of the reporting level and washout periods to ensure safe therapeutic administrations. Drug Testing and Analysis, 2021, 13, 571-582.	2.6	10
157	Precarious Employment and Stress: The Biomedical Embodiment of Social Factors. PRESSED Project Study Protocol. Frontiers in Public Health, 2021, 9, 649447.	2.7	10
158	LCâ€MS/MS detection of unaltered glucuronoconjugated metabolites of metandienone. Drug Testing and Analysis, 2017, 9, 534-544.	2.6	8
159	Binge ethanol drinking during adolescence modifies cocaine responses in mice. Journal of Psychopharmacology, 2017, 31, 86-95.	4.0	8
160	Untargeted detection of the carbonyl metabolome by chemical derivatization and liquid chromatography-tandem mass spectrometry in precursor ion scan mode: Elucidation of COVID-19 severity biomarkers. Analytica Chimica Acta, 2022, 1196, 339405.	5.4	8
161	Formation of Î”1 and Î”6 testosterone metabolites by human hepatocytes. Steroids, 2015, 95, 66-72.	1.8	7
162	Factors affecting urinary excretion of testosterone metabolites conjugated with cysteine. Drug Testing and Analysis, 2016, 8, 110-119.	2.6	7

#	Article	IF	Citations
163	Protective effects of mirtazapine in mice lacking the Mbnl2 gene in forebrain glutamatergic neurons: Relevance for myotonic dystrophy 1. Neuropharmacology, 2020, 170, 108030.	4.1	7
164	Targeted metabolomics in formalin-fixed paraffin-embedded tissue specimens: Liquid chromatography-tandem mass spectrometry determination of acidic metabolites in cancer research. Talanta, 2021, 223, 121740.	5.5	7
165	Evaluation of Metabolic Changes in Acute Intermittent Porphyria Patients by Targeted Metabolomics. International Journal of Molecular Sciences, 2022, 23, 3219.	4.1	7
166	2-picolylamine derivatization for high sensitivity detection of abscisic acid in apicomplexan blood-infecting parasites. Talanta, 2017, 168, 130-135.	5.5	6
167	Nail Melatonin Content: A Suitable Non-Invasive Marker of Melatonin Production. International Journal of Molecular Sciences, 2021, 22, 921.	4.1	6
168	Changes in melatonin and sex steroid hormone production among men as a result of rotating night shift work â€“ the HORMONIT study. Scandinavian Journal of Work, Environment and Health, 2022, 48, 41-51.	3.4	6
169	Metabolomics and integrated network analysis reveal roles of endocannabinoids and large neutral amino acid balance in the ayahuasca experience. Biomedicine and Pharmacotherapy, 2022, 149, 112845.	5.6	6
170	On the road of dried blood spot sampling for antidoping tests: Detection of GHRPâ€2 abuse. Drug Testing and Analysis, 2021, 13, 510-522.	2.6	5
171	Effects of Wine and Tyrosol on the Lipid Metabolic Profile of Subjects at Risk of Cardiovascular Disease: Potential Cardioprotective Role of Ceramides. Antioxidants, 2021, 10, 1679.	5.1	5
172	Rapid determination of fosetyl-aluminum residues in lettuce by liquid chromatography/electrospray tandem mass spectrometry. Journal of AOAC INTERNATIONAL, 2003, 86, 832-8.	1.5	5
173	Isotope dilution LC-ESI-MS/MS and low resolution selected reaction monitoring as a tool for the accurate quantification of urinary testosterone. Journal of Pharmaceutical and Biomedical Analysis, 2019, 163, 113-121.	2.8	4
174	Analysis of the interaction between tryptophan-related compounds and ATP-binding cassette transporter G2 (ABCG2) using targeted metabolomics. Food Chemistry, 2021, 344, 128665.	8.2	4
175	Characterization of Domiphen Bromide as a New Fast-Acting Antiplasmodial Agent Inhibiting the Apicoplastidic Methyl Erythritol Phosphate Pathway. Pharmaceutics, 2022, 14, 1320.	4.5	4
176	High-Resolution Mass Spectrometry in Doping Control. Comprehensive Analytical Chemistry, 2016, , 91-117.	1.3	3
177	Mass spectrometric characterisation of a condensation product between porphobilinogen and indolylâ€3â€acryloylglycine in urine of patients with acute intermittent porphyria. Journal of Mass Spectrometry, 2015, 50, 929-937.	1.6	1
178	Bariatric surgery and LDL cholesterol (BASALTO) trial study protocol: randomised controlled study evaluating the effect of gastric bypass versus sleeve gastrectomy on high LDL cholesterol. BMJ Open, 2020, 10, e037712.	1.9	1
179	High serum testosterone concentrations in a diabetic woman with end-stage renal disease. EndocrinologÃa Y NutriciÃ³n (English Edition), 2013, 60, e23-e25.	0.5	0
180	Concentraciones sÃ©ricas elevadas de testosterona en una mujer con diabetes e insuficiencia renal terminal. Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion, 2013, 60, e23-e25.	0.8	0

#	Article	IF	Citations
181	65: Prenatal stress modifies RNA expression of HSD11Î²-2 and the hypothalamic-pituitary- adrenocortical axis in fetal growth restriction. American Journal of Obstetrics and Gynecology, 2019, 220, S52.	1.3	0
182	Synthesis of 3Î±,6Î²â€Dihydroxyandrostanâ€17â€one 3â€Glucuronides for the Detection of Testosterone Misuse. European Journal of Organic Chemistry, 0, , .	2.4	0