

Mario Thevis

List of Publications by Year in descending order

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433
papers

12,558
citations

29994

54
h-index

69108

77
g-index

458
all docs

458
docs citations

458
times ranked

5964
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutritional supplements cross-contaminated and faked with doping substances. <i>Journal of Mass Spectrometry</i> , 2008, 43, 892-902.	0.7	319
2	Factors influencing the steroid profile in doping control analysis. <i>Journal of Mass Spectrometry</i> , 2008, 43, 877-891.	0.7	227
3	Mass spectrometry in sports drug testing: Structure characterization and analytical assays. <i>Mass Spectrometry Reviews</i> , 2007, 26, 79-107.	2.8	178
4	Determination of $^{13}\text{C}/^{12}\text{C}$ ratios of endogenous urinary steroids: method validation, reference population and application to doping control purposes. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2161-2175.	0.7	151
5	Sensitive determination of prohibited drugs in dried blood spots (DBS) for doping controls by means of a benchtop quadrupole/Orbitrap mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1279-1289.	1.9	136
6	RBC-NOS-Dependent S-Nitrosylation of Cytoskeletal Proteins Improves RBC Deformability. <i>PLoS ONE</i> , 2013, 8, e56759.	1.1	135
7	In vitro phase I metabolism of the synthetic cannabimimetic JWH-018. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2141-2153.	1.9	131
8	Screening for unknown synthetic steroids in human urine by liquid chromatography-tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 955-962.	0.7	127
9	Mass spectrometric identification and characterization of a new long-term metabolite of metandienone in human urine. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2252-2258.	0.7	114
10	Screening for the synthetic cannabinoid JWH-018 and its major metabolites in human doping controls. <i>Drug Testing and Analysis</i> , 2011, 3, 609-620.	1.6	113
11	Qualitative Determination of Synthetic Analogues of Insulin in Human Plasma by Immunoaffinity Purification and Liquid Chromatography-Tandem Mass Spectrometry for Doping Control Purposes. <i>Analytical Chemistry</i> , 2005, 77, 3579-3585.	3.2	105
12	Quantification of human insulin-like growth factor-1 and qualitative detection of its analogues in plasma using liquid chromatography/electrospray ionisation tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 477-485.	0.7	103
13	Mass spectrometric determination of insulins and their degradation products in sports drug testing. <i>Mass Spectrometry Reviews</i> , 2008, 27, 35-50.	2.8	98
14	Sports drug testing using complementary matrices: Advantages and limitations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 130, 220-230.	1.4	97
15	Interlaboratory Agreement of Insulin-like Growth Factor 1 Concentrations Measured by Mass Spectrometry. <i>Clinical Chemistry</i> , 2014, 60, 541-548.	1.5	96
16	Confiscated black market products and nutritional supplements with non-approved ingredients analyzed in the cologne doping control laboratory 2009. <i>Drug Testing and Analysis</i> , 2010, 2, 533-537.	1.6	92
17	Anabolic agents: recent strategies for their detection and protection from inadvertent doping. <i>British Journal of Sports Medicine</i> , 2014, 48, 820-826.	3.1	92
18	Doping Control Analysis of Intact Rapid-Acting Insulin Analogues in Human Urine by Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 1897-1903.	3.2	91

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19	Liquid chromatography/electrospray ionization tandem mass spectrometric screening and confirmation methods for β^2 -agonists in human or equine urine. <i>Journal of Mass Spectrometry</i> , 2003, 38, 1197-1206.	0.7	87
20	Current role of LC-MS(/MS) in doping control. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 405-420.	1.9	86
21	Immunoaffinity purification of peptide hormones prior to liquid chromatography-mass spectrometry in doping controls. <i>Methods</i> , 2012, 56, 230-235.	1.9	85
22	Identification of black market products and potential doping agents in Germany 2010-2013. <i>European Journal of Clinical Pharmacology</i> , 2014, 70, 1303-1311.	0.8	84
23	Determination of growth hormone releasing peptides (GHRP) and their major metabolites in human urine for doping controls by means of liquid chromatography mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 507-516.	1.9	83
24	Screening for metabolically stable aryl-propionamide-derived selective androgen receptor modulators for doping control purposes. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 870-876.	0.7	77
25	Mass Spectrometric Identification of Degradation Products of Insulin and Its Long-Acting Analogues in Human Urine for Doping Control Purposes. <i>Analytical Chemistry</i> , 2007, 79, 2518-2524.	3.2	75
26	Current role of LC-MS(/MS) in doping control. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1351-1358.	1.9	75
27	Discrimination of Recombinant and Endogenous Urinary Erythropoietin by Calculating Relative Mobility Values from SDS Gels. <i>International Journal of Sports Medicine</i> , 2008, 29, 1-6.	0.8	75
28	Hypoxia-inducible factor stabilizers and other small-molecule erythropoiesis-stimulating agents in current and preventive doping analysis. <i>Drug Testing and Analysis</i> , 2012, 4, 830-845.	1.6	74
29	Dietary Supplement and Food Contaminations and Their Implications for Doping Controls. <i>Foods</i> , 2020, 9, 1012.	1.9	74
30	Mass spectrometry of stanozolol and its analogues using electrospray ionization and collision-induced dissociation with quadrupole-linear ion trap and linear ion trap-orbitrap hybrid mass analyzers. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3369-3378.	0.7	73
31	Sensitive and fast identification of urinary human, synthetic and animal insulin by means of nano-UPLC coupled with high-resolution/high-accuracy mass spectrometry. <i>Drug Testing and Analysis</i> , 2009, 1, 219-227.	1.6	72
32	Characterization of chemically modified steroids for doping control purposes by electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 494-502.	0.7	71
33	Aryl-Propionamide-Derived Selective Androgen Receptor Modulators: Liquid Chromatography-Tandem Mass Spectrometry Characterization of the in Vitro Synthesized Metabolites for Doping Control Purposes. <i>Drug Metabolism and Disposition</i> , 2008, 36, 571-581.	1.7	71
34	High-throughput screening for various classes of doping agents using a new "dilute-and-shoot" liquid chromatography-tandem mass spectrometry multi-target approach. <i>Drug Testing and Analysis</i> , 2011, 3, 836-850.	1.6	67
35	Mass spectrometry of selective androgen receptor modulators. <i>Journal of Mass Spectrometry</i> , 2008, 43, 865-876.	0.7	66
36	Structure characterisation of urinary metabolites of the cannabimimetic JWH-018 using chemically synthesised reference material for the support of LC-MS/MS-based drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 493-505.	1.9	66

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37	Simultaneous determination and validated quantification of human insulin and its synthetic analogues in human blood serum by immunoaffinity purification and liquid chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1813-1822.	1.9	65
38	Mass spectrometric determination of gonadotrophin-releasing hormone (GnRH) in human urine for doping control purposes by means of LC-ESI-MS/MS. <i>Journal of Mass Spectrometry</i> , 2008, 43, 908-915.	0.7	62
39	Analysis of Confiscated Black Market Drugs Using Chromatographic and Mass Spectrometric Approaches. <i>Journal of Analytical Toxicology</i> , 2008, 32, 232-240.	1.7	62
40	Clenbuterol – regional food contamination a possible source for inadvertent doping in sports. <i>Drug Testing and Analysis</i> , 2012, 4, 534-538.	1.6	62
41	Expanding analytical possibilities concerning the detection of stanozolol misuse by means of high resolution/high accuracy mass spectrometric detection of stanozolol glucuronides in human sports drug testing. <i>Drug Testing and Analysis</i> , 2013, 5, 810-818.	1.6	62
42	Determination of human insulin and its analogues in human blood using liquid chromatography coupled to ion mobility mass spectrometry (LC-IMS). <i>Drug Testing and Analysis</i> , 2014, 6, 1125-1132.	1.6	62
43	Anabolic, doping, and lifestyle drugs, and selected metabolites in wastewater – detection, quantification, and behaviour monitored by high-resolution MS and MS n before and after sewage treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1207-1229.	1.9	61
44	Comprehensive plasma – screening for known and unknown substances in doping controls. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1124-1132.	0.7	60
45	New potential markers for the detection of boldenone misuse. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 132, 239-246.	1.2	59
46	Detection of SARMs in doping control analysis. <i>Molecular and Cellular Endocrinology</i> , 2018, 464, 34-45.	1.6	59
47	Evaluation of commercially available assays for the measurement of equine insulin. <i>Domestic Animal Endocrinology</i> , 2011, 41, 81-90.	0.8	58
48	Development and validation of a mass spectrometric detection method of peginesatide in dried blood spots for sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2715-2724.	1.9	58
49	Detection of the arylpropionamide-derived selective androgen receptor modulator (SARM) S4 (Andarine) in a black-market product. <i>Drug Testing and Analysis</i> , 2009, 1, 387-392.	1.6	57
50	Determination of IGF-1 and IGF-2, their degradation products and synthetic analogues in urine by LC-MS/MS. <i>Analyst</i> , 2011, 136, 1003-1012.	1.7	57
51	High speed determination of beta-receptor blocking agents in human urine by liquid chromatography/tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2001, 15, 393-402.	0.8	56
52	Examples of Doping Control Analysis by Liquid Chromatography-Tandem Mass Spectrometry: Ephedrines, α -Receptor Blocking Agents, Diuretics, Sympathomimetics, and Cross-Linked Hemoglobins. <i>Journal of Chromatographic Science</i> , 2005, 43, 22-31.	0.7	56
53	Emerging drugs: mechanism of action, mass spectrometry and doping control analysis. <i>Journal of Mass Spectrometry</i> , 2009, 44, 442-460.	0.7	56
54	Liquid chromatographic – mass spectrometric analysis of glucuronide-conjugated anabolic steroid metabolites: method validation and interlaboratory comparison. <i>Journal of Mass Spectrometry</i> , 2008, 43, 965-973.	0.7	55

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55	Determination of prohibited, small peptides in urine for sports drug testing by means of nano-liquid chromatography/benchtop quadrupole orbitrap tandem-mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1259, 251-257.	1.8	54
56	Determination of the origin of urinary norandrosterone traces by gas chromatography combustion isotope ratio mass spectrometry. <i>Analyst</i> , The, 2006, 131, 1021-1026.	1.7	53
57	Analytical approaches for the detection of emerging therapeutics and non-approved drugs in human doping controls. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 101, 66-83.	1.4	53
58	Identification of the growth hormone-releasing peptide-2 (GHRP-2) in a nutritional supplement. <i>Drug Testing and Analysis</i> , 2010, 2, 144-148.	1.6	52
59	Synthesis, characterization, and detection of new oxandrolone metabolites as long-term markers in sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8285-8294.	1.9	52
60	Urinary Concentrations of Morphine and Codeine After Consumption of Poppy Seeds. <i>Journal of Analytical Toxicology</i> , 2003, 27, 53-56.	1.7	51
61	Use of dried blood spots in doping control analysis of anabolic steroid esters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 96, 21-30.	1.4	51
62	Identification of Fentanyl, Alfentanil, Sufentanil, Remifentanil and Their Major Metabolites in Human Urine by Liquid Chromatography/Tandem Mass Spectrometry for Doping Control Purposes. <i>European Journal of Mass Spectrometry</i> , 2005, 11, 419-427.	0.5	49
63	Long-term engraftment following transplantation of pig pancreatic primordia into non-immunosuppressed diabetic rhesus macaques. <i>Xenotransplantation</i> , 2007, 14, 591-602.	1.6	49
64	Mass spectrometric analysis of androstan-17 β -ol-3-one and androstadiene-17 β -ol-3-one isomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1660-1669.	1.2	48
65	Screening for 2 α -equinolone-derived selective androgen receptor agonists in doping control analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3477-3486.	0.7	48
66	Mass spectrometric characterization of urinary metabolites of the selective androgen receptor modulator andarine (S α -4) for routine doping control purposes. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2245-2254.	0.7	48
67	"Dilute-and-inject" multi-target screening assay for highly polar doping agents using hydrophilic interaction liquid chromatography high resolution/high accuracy mass spectrometry for sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5365-5379.	1.9	48
68	Mildronate (Meldonium) in professional sports " monitoring doping control urine samples using hydrophilic interaction liquid chromatography " high resolution/high accuracy mass spectrometry. <i>Drug Testing and Analysis</i> , 2015, 7, 973-979.	1.6	48
69	Simplifying and expanding analytical capabilities for various classes of doping agents by means of direct urine injection high performance liquid chromatography high resolution/high accuracy mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 482-496.	1.4	48
70	Identification of the aromatase inhibitors anastrozole and exemestane in human urine using liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1954-1962.	0.7	47
71	Determination of Vasopressin and Desmopressin in urine by means of liquid chromatography coupled to quadrupole time-of-flight mass spectrometry for doping control purposes. <i>Analytica Chimica Acta</i> , 2011, 707, 107-113.	2.6	47
72	Metabolism of Growth Hormone Releasing Peptides. <i>Analytical Chemistry</i> , 2012, 84, 10252-10259.	3.2	47

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73	Adverse analytical findings with clenbuterol among Uâ€17 soccer players attributed to food contamination issues. <i>Drug Testing and Analysis</i> , 2013, 5, 372-376.	1.6	47
74	Enzyme-assisted synthesis and structure characterization of glucuronide conjugates of eleven anabolic steroid metabolites. <i>Steroids</i> , 2008, 73, 257-265.	0.8	46
75	Determination of $^{13}\text{C}/^{12}\text{C}$ ratios of endogenous urinary steroids excreted as sulpho conjugates. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3171-3181.	0.7	46
76	Does the analysis of the enantiomeric composition of clenbuterol in human urine enable the differentiation of illicit clenbuterol administration from food contamination in sports drug testing?. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 507-512.	0.7	46
77	Insulin. <i>Handbook of Experimental Pharmacology</i> , 2009, , 209-226.	0.9	45
78	Trafficking of drug candidates relevant for sports drug testing: Detection of nonâ€approved therapeutics categorized as anabolic and gene doping agents in products distributed via the Internet. <i>Drug Testing and Analysis</i> , 2011, 3, 331-336.	1.6	45
79	Doping-Control Analysis of the 5Î±-Reductase Inhibitor Finasteride: Determination of Its Influence on Urinary Steroid Profiles and Detection of Its Major Urinary Metabolite. <i>Therapeutic Drug Monitoring</i> , 2007, 29, 236-247.	1.0	44
80	Application of FAIMS to anabolic androgenic steroids in sport drug testing. <i>Drug Testing and Analysis</i> , 2009, 1, 545-553.	1.6	44
81	Annual bannedâ€substance review: analytical approaches in human sports drug testing. <i>Drug Testing and Analysis</i> , 2011, 3, 1-14.	1.6	44
82	Mass Spectrometry in Doping Control Analysis. <i>Current Organic Chemistry</i> , 2005, 9, 825-848.	0.9	43
83	Unusual mass spectrometric dissociation pathway of protonated isoquinoline-3-carboxamides due to multiple reversible water adduct formation in the gas phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 2034-2048.	1.2	43
84	Characterization of two major urinary metabolites of the PPARÎ±-agonist GW1516 and implementation of the drug in routine doping controls. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2479-2491.	1.9	43
85	Dried blood spots (DBS) for doping control analysis. <i>Drug Testing and Analysis</i> , 2011, 3, 806-813.	1.6	42
86	Measuring insulin in human vitreous humour using LCâ€MS/MS. <i>Drug Testing and Analysis</i> , 2012, 4, 53-56.	1.6	42
87	Recommended criteria for the mass spectrometric identification of target peptides and proteins (kDa) in sports drug testing. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 297-304.	0.7	41
88	Characterization of <i>in vitro</i> generated metabolites of the selective androgen receptor modulators Sâ€22 and Sâ€23 and <i>in vivo</i> comparison to postâ€administration canine urine specimens. <i>Drug Testing and Analysis</i> , 2010, 2, 589-598.	1.6	41
89	Ultrahigh pressure liquid chromatographyâ€(tandem) mass spectrometry in human sports drug testing: Possibilities and limitations. <i>Journal of Chromatography A</i> , 2013, 1292, 38-50.	1.8	41
90	Epiandrosterone sulfate prolongs the detectability of testosterone, 4â€androstenedione, and dihydrotestosterone misuse by means of carbon isotope ratio mass spectrometry. <i>Drug Testing and Analysis</i> , 2017, 9, 1695-1703.	1.6	41

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91	Detection of the plasma volume expander hydroxyethyl starch in human urine. <i>Biomedical Applications</i> , 2000, 744, 345-350.	1.7	40
92	Doping Control Analysis of Bovine Hemoglobin-Based Oxygen Therapeutics in Human Plasma by LC-ESI-MS/MS. <i>Analytical Chemistry</i> , 2003, 75, 3287-3293.	3.2	40
93	Determination of benzimidazole- and bicyclic hydantoin-derived selective androgen receptor antagonists and agonists in human urine using LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 251-261.	1.9	40
94	Identification of Human Pituitary Growth Hormone Variants by Mass Spectrometry. <i>Journal of Proteome Research</i> , 2009, 8, 1071-1076.	1.8	40
95	Simplifying and expanding the screening for peptides <2 kDa by direct urine injection, liquid chromatography, and ion mobility mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 333-341.	1.3	40
96	Fully automated dried blood spot sample preparation enables the detection of lower molecular mass peptide and non-peptide doping agents by means of LC-HRMS. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3765-3777.	1.9	40
97	Proteases in Doping Control Analysis. <i>International Journal of Sports Medicine</i> , 2007, 28, 545-549.	0.8	39
98	Detection of Surreptitious Administration of Analog Insulin to an 8-Week-Old Infant. <i>Pediatrics</i> , 2010, 125, e1236-e1240.	1.0	39
99	Doping control analysis of selected peptide hormones using LC-MS/MS. <i>Forensic Science International</i> , 2011, 213, 35-41.	1.3	39
100	Fully automated determination of nicotine and its major metabolites in whole blood by means of a DBS online-SPE LC-HR-MS/MS approach for sports drug testing. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 123, 132-140.	1.4	39
101	Analytical Approaches in Human Sports Drug Testing: Recent Advances, Challenges, and Solutions. <i>Analytical Chemistry</i> , 2020, 92, 506-523.	3.2	39
102	Determination of Synacthen in human plasma using immunoaffinity purification and liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3551-3556.	0.7	38
103	Detection of manipulation in doping control urine sample collection: a multidisciplinary approach to determine identical urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1539-1543.	1.9	38
104	New drugs and methods of doping and manipulation. <i>Drug Discovery Today</i> , 2008, 13, 59-66.	3.2	38
105	Determination of Synacthen in urine for sports drug testing by means of nano-ultra-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2669-2674.	0.7	38
106	Mass spectrometric characterization of urinary metabolites of the selective androgen receptor modulator SARM1 to identify potential targets for routine doping controls. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2187-2195.	0.7	38
107	Traditional Chinese medicine and sports drug testing: identification of natural steroid administration in doping control urine samples resulting from musk (pod) extracts. <i>British Journal of Sports Medicine</i> , 2013, 47, 109-114.	3.1	37
108	Can dried blood spots (DBS) contribute to conducting comprehensive SARS-CoV-2 antibody tests?. <i>Drug Testing and Analysis</i> , 2020, 12, 994-997.	1.6	37

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109	Insulins in equine urine: qualitative analysis by immunoaffinity purification and liquid chromatography/tandem mass spectrometry for doping control purposes in horse racing. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 355-362.	0.7	36
110	Doping control analysis of tricyclic tetrahydroquinoline-derived selective androgen receptor modulators using liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2471-2478.	0.7	36
111	Rapid determination of urinary di(2-ethylhexyl) phthalate metabolites based on liquid chromatography/tandem mass spectrometry as a marker for blood transfusion in sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 517-528.	1.9	36
112	Combination of carbon isotope ratio with hydrogen isotope ratio determinations in sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5455-5466.	1.9	36
113	Detection of testosterone esters in blood. <i>Drug Testing and Analysis</i> , 2015, 7, 983-989.	1.6	36
114	Annual banned substance review: analytical approaches in human sports drug testing. <i>Drug Testing and Analysis</i> , 2016, 8, 7-29.	1.6	36
115	Determination of 74 new psychoactive substances in serum using automated in-line solid-phase extraction-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1064, 124-138.	1.2	36
116	Hydroxyurea therapy modulates sickle cell anemia red blood cell physiology: Impact on RBC deformability, oxidative stress, nitrite levels and nitric oxide synthase signalling pathway. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 81, 28-35.	1.2	36
117	Plasticizers excreted in urine: indication of autologous blood transfusion in sports. <i>Transfusion</i> , 2012, 52, 647-657.	0.8	35
118	Determination of growth hormone releasing peptides metabolites in human urine after nasal administration of GHRP-1, GHRP-2, GHRP-6, Hexarelin, and Ipamorelin. <i>Drug Testing and Analysis</i> , 2015, 7, 919-925.	1.6	35
119	Emerging drugs affecting skeletal muscle function and mitochondrial biogenesis – Potential implications for sports drug testing programs. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 635-651.	0.7	35
120	Quantification of Clenbuterol in Human Plasma and Urine by Liquid Chromatography-Tandem Mass Spectrometry. <i>Chromatographia</i> , 2005, 62, 435-439.	0.7	34
121	Metabolism of 4-hydroxyandrostenedione and 4-hydroxytestosterone: Mass spectrometric identification of urinary metabolites. <i>Steroids</i> , 2007, 72, 278-286.	0.8	34
122	Determination of the prevalence of anabolic steroids, stimulants, and selected drugs subject to doping controls among elite sport students using analytical chemistry. <i>Journal of Sports Sciences</i> , 2008, 26, 1059-1065.	1.0	34
123	Doping control analysis of emerging drugs in human plasma – identification of GW501516, S-107, JTV-519, and S-40503. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1139-1146.	0.7	34
124	Quantification of urinary AICAR concentrations as a matter of doping controls. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2899-2908.	1.9	34
125	Investigations of the microbial transformation of cortisol to prednisolone in urine samples. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 129, 54-60.	1.2	34
126	Detection of Stanozolol and Its Major Metabolites in Human Urine by Liquid Chromatography-Tandem Mass Spectrometry. <i>Chromatographia</i> , 2006, 64, 441-446.	0.7	33

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127	Mass spectrometric identification of peptide hormones in doping-control analysis. <i>Analyst</i> , The, 2007, 132, 287-291.	1.7	33
128	Detection of His-tagged Long-R3-IGF-I in a black market product. <i>Growth Hormone and IGF Research</i> , 2010, 20, 386-390.	0.5	33
129	Synthesis, characterisation, and mass spectrometric detection of a pegylated EPO-mimetic peptide for sports drug testing purposes. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2115-2123.	0.7	33
130	Investigation of the <i>in vitro</i> metabolism of the emerging drug candidate S107 for doping-preventive purposes. <i>Journal of Mass Spectrometry</i> , 2011, 46, 112-130.	0.7	33
131	Sports drug testing: Analytical aspects of selected cases of suspected, purported, and proven urine manipulation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 57, 26-32.	1.4	33
132	Characterization of a non-approved selective androgen receptor modulator drug candidate sold via the Internet and identification of <i>in vitro</i> generated phase metabolites for human sports drug testing. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 991-999.	0.7	33
133	Expanded test method for peptides >2 kDa employing immunoaffinity purification and LC-HRMS/MS. <i>Drug Testing and Analysis</i> , 2015, 7, 990-998.	1.6	33
134	Genotype-dependent metabolism of exogenous testosterone – new biomarkers result in prolonged detectability. <i>Drug Testing and Analysis</i> , 2016, 8, 1163-1173.	1.6	33
135	Do dried blood spots (DBS) have the potential to support result management processes in routine sports drug testing?. <i>Drug Testing and Analysis</i> , 2020, 12, 704-710.	1.6	33
136	Mass spectrometry of hydantoin-derived selective androgen receptor modulators. <i>Journal of Mass Spectrometry</i> , 2008, 43, 639-650.	0.7	32
137	SERMs and SARMs: Detection of their activities with yeast based bioassays. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 118, 85-92.	1.2	32
138	Investigations on hydrogen isotope ratios of endogenous urinary steroids: reference-population-based thresholds and proof-of-concept. <i>Drug Testing and Analysis</i> , 2012, 4, 717-727.	1.6	32
139	Characterization of equine urinary metabolites of selective androgen receptor modulators (SARMs) S1, S4 and S22 for doping control purposes. <i>Drug Testing and Analysis</i> , 2015, 7, 673-683.	1.6	32
140	Emerging Drugs - Potential for Misuse in Sport and Doping Control Detection Strategies. <i>Mini-Reviews in Medicinal Chemistry</i> , 2007, 7, 533-539.	1.1	31
141	Detection of Homologous Blood Transfusion. <i>International Journal of Sports Medicine</i> , 2007, 28, 633-637.	0.8	31
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