Francesco Botre

List of Publications by Year in Descending Order

198 papers	3,362 citations	31 h-index	47 g-index
223 ext. papers	3,919 ext. citations	3.8 avg, IF	5.47 L-index

#	Paper	IF	Citations
198	Development and validation of a liquid chromatography-tandem mass spectrometry method for the simultaneous analysis of androgens, estrogens, glucocorticoids and progestagens in human serum.. *Biomedical Chromatography*, **2022**, e5344	1.7	2
197	Supercritical fluid chromatography mass spectrometry as an emerging technique in doping control analysis. *TrAC - Trends in Analytical Chemistry*, **2022**, 147, 116517	14.6	2
196	Detection of Homologous Blood Transfusion in Sport Doping by Flow Cytofluorimetry: State of the Art and New Approaches to Reduce the Risk of False-Negative Results.. *Frontiers in Sports and Active Living*, **2022**, 4, 808449	2.3	0
195	Metabolomics workflow as a driven tool for rapid detection of metabolites in doping analysis. Development and validation. *Rapid Communications in Mass Spectrometry*, **2022**, 36, e9217	2.2	0
194	Optimization of a method to detect levothyroxine and related compounds in serum and urine by liquid chromatography coupled to triple quadrupole mass spectrometry.. *Journal of Pharmacological and Toxicological Methods*, **2022**, 115, 107169	1.7	0
193	Comparing metabolic profiles between endurance athlete and non-athlete females reveals differences in androgenic and corticosteroids levels.. *Journal of Steroid Biochemistry and Molecular Biology*, **2022**, 106081	5.1	0
192	Effect of Compounds on Sensorimotor, Motor, and Prepulse Inhibition Responses in Mice in Comparison With the Analogs and Lysergic Acid Diethylamide: From Preclinical Evidence to Forensic Implication in Driving Under the Influence of Drugs.. *Frontiers in Psychiatry*, **2022**, 13, 875722	5	0
191	Urinary excretion and effects on visual placing response in mice of gamma-valero-lactone, an alternative to gamma-hydroxy-butyrate for drug-facilitated sexual assault. *Emerging Trends in Drugs, Addictions, and Health*, **2021**, 100028		0
190	Application of liquid chromatography coupled to data-independent acquisition mass spectrometry for the metabolic profiling of N-ethyl heptedrone. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2021**, 1185, 122989	3.2	0
189	UPLC-MS-Based Procedures to Detect Prolyl-Hydroxylase Inhibitors of HIF in Urine. *Journal of Analytical Toxicology*, **2021**, 45, 184-194	2.9	2
188	New Insights into the Metabolism of Methyltestosterone and Metandienone: Detection of Novel A-Ring Reduced Metabolites. *Molecules*, **2021**, 26,	4.8	6
187	Arimistane: Degradation product or metabolite of 7-oxo-DHEA?. *Drug Testing and Analysis*, **2021**, 13, 1430-1439	3.5	1
186	Detection of urinary arimistane metabolites in humans using liquid chromatography-mass spectrometry: Complementary results to gas chromatography mass spectrometric data and its application to antidoping analyses. *Rapid Communications in Mass Spectrometry*, **2021**, 35, e9080	2.2	1
185	Serum Levels of Brain-Derived Neurotrophic Factor and Other Neurotrophins in Elite Athletes: Potential Markers of the Use of Transcranial Direct Current Stimulation in Sport. *Frontiers in Sports and Active Living*, **2021**, 3, 619573	2.3	1
184	Improving the Detection of Homologous Blood Transfusion in Sport Doping: A Full DNA-based Genotyping Strategy on Dried Blood Spots. *FASEB Journal*, **2021**, 35,	0.9	2
183	Coupling high-resolution mass spectrometry and chemometrics for the structural characterization of anabolic-androgenic steroids and the early detection of unknown designer structures. *Talanta*, **2021**, 227, 122173	6.2	2
182	Corticosteroid Biosynthesis Revisited: No Direct Hydroxylation of Pregnenolone by Steroid 21-Hydroxylase. *Frontiers in Endocrinology*, **2021**, 12, 633785	5.7	0

181	Urinary Elimination of Ecdysterone and Its Metabolites Following a Single-Dose Administration in Humans. *Metabolites*, **2021**, 11,	5.6	1
180	Age and Sport Intensity-Dependent Changes in Cytokines and Telomere Length in Elite Athletes. *Antioxidants*, **2021**, 10,	7.1	5
179	5□-reductase inhibitors: Evaluation of their potential confounding effect on GC-C-IRMS doping analysis. *Drug Testing and Analysis*, **2021**,	3.5	1
178	Effects of the administration of miconazole by different routes on the biomarkers of the "steroidal module" of the Athlete Biological Passport. *Drug Testing and Analysis*, **2021**, 13, 1712-1726	3.5	2
177	Urinary excretion profile of methiopropamine in mice following intraperitoneal administration: A liquid chromatography-tandem mass spectrometry investigation. *Drug Testing and Analysis*, **2021**, 13, 91-100	3.5	5
176	Improving the detection of anabolic steroid esters in human serum by LC-MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 194, 113807	3.5	7
175	Detecting the abuse of 19-norsteroids in doping controls: A new gas chromatography coupled to isotope ratio mass spectrometry method for the analysis of 19-norandrosterone and 19-noretiocholanolone. *Drug Testing and Analysis*, **2021**, 13, 770-784	3.5	3
174	Influence of Saw palmetto and Pygeum africana extracts on the urinary concentrations of endogenous anabolic steroids: Relevance to doping analysis. *Phytomedicine Plus*, **2021**, 1, 100005		1
173	Metabolic profile of the synthetic drug 4,4?-dimethylaminorex in urine by LC□MS-based techniques: selection of the most suitable markers of its intake. *Forensic Toxicology*, **2021**, 39, 89-100	2.6	4
172	Simultaneous detection of different chemical classes of selective androgen receptor modulators in urine by liquid chromatography-mass spectrometry-based techniques. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 195, 113849	3.5	6
171	Worsening of the Toxic Effects of (□)-4,4RDMAR Following Its Co-Administration with (□)-4,4RDMAR: Neuro-Behavioural, Physiological, Immunohistochemical and Metabolic Studies in Mice. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
170	Low-energy electron ionization optimization for steroidomics analysis using high-resolution mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2021**, 35, e9196	2.2	
169	High Endurance Elite Athletes Show Age-dependent Lower Levels of Circulating Complements Compared to Low/Moderate Endurance Elite Athletes. *Frontiers in Molecular Biosciences*, **2021**, 8, 715035	5.6	1
168	Red blood cell derived extracellular vesicles during the process of autologous blood doping. *Drug Testing and Analysis*, **2021**,	3.5	2
167	Influence of synthetic isoflavones on selected urinary steroid biomarkers: Relevance to doping control. *Steroids*, **2021**, 174, 108900	2.8	1
166	Controlled administration of dehydrochloromethyltestosterone in humans: Urinary excretion and long-term detection of metabolites for anti-doping purpose. *Journal of Steroid Biochemistry and Molecular Biology*, **2021**, 214, 105978	5.1	2
165	Metabolic Signature of Leukocyte Telomere Length in Elite Male Soccer Players.. *Frontiers in Molecular Biosciences*, **2021**, 8, 727144	5.6	0
164	Development and validation of a liquid chromatography-tandem mass spectrometry method for the simultaneous determination of phthalates and bisphenol a in serum, urine and follicular fluid. *Clinical Mass Spectrometry*, **2020**, 18, 54-65	1.9	2

163	Detection of clostebol in sports: Accidental doping?. *Drug Testing and Analysis*, **2020**, 12, 1561-1569	3.5	3
162	Influence of Pain Killers on the Urinary Anabolic Steroid Profile. *Journal of Analytical Toxicology*, **2020**, 44, 871-879	2.9	6
161	Enhanced UHPLC-MS/MS screening of selective androgen receptor modulators following urine hydrolysis. *MethodsX*, **2020**, 7, 100926	1.9	5
160	Carbon isotopic characterization of prednisolone and prednisone pharmaceutical formulations: Implications in antidoping analysis. *Drug Testing and Analysis*, **2020**, 12, 1587-1598	3.5	3
159	A further insight into methyltestosterone metabolism: New evidences from in vitro and in vivo experiments. *Rapid Communications in Mass Spectrometry*, **2020**, 34, e8870	2.2	6
158	Genome-Wide Association Study Reveals a Novel Association Between MYBPC3 Gene Polymorphism, Endurance Athlete Status, Aerobic Capacity and Steroid Metabolism. *Frontiers in Genetics*, **2020**, 11, 595	4.5	16
157	Detection and quantitation of ecdysterone in human serum by liquid chromatography coupled to tandem mass spectrometry. *Steroids*, **2020**, 157, 108603	2.8	6
156	Methiopropamine and its acute behavioral effects in mice: is there a gray zone in new psychoactive substances users?. *International Journal of Legal Medicine*, **2020**, 134, 1695-1711	3.1	13
155	Corticosteroid Biosynthesis Revisited: Substrate Specificity of Steroid 21-Hydroxylase. *FASEB Journal*, **2020**, 34, 1-1	0.9	
154	Transcranial direct current stimulation and sport performance: Brain Derived Neurotrophic Factor and neurotrophins as potential biomarkers of abuse. *FASEB Journal*, **2020**, 34, 1-1	0.9	
153	Myokines as potential indirect biomarkers of myostatin abuse in sport doping: reference ranges in elite athletes. *FASEB Journal*, **2020**, 34, 1-1	0.9	
152	Validation of steroid sulfates deconjugation for metabolic studies. Application to human urine samples. *Journal of Pharmacological and Toxicological Methods*, **2020**, 106, 106938	1.7	3
151	Influence of Indomethacin on Steroid Metabolism: Endocrine Disruption and Confounding Effects in Urinary Steroid Profiling of Anti-Doping Analyses. *Metabolites*, **2020**, 10,	5.6	3
150	Development and application of analytical procedures for the GC-MS/MS analysis of the sulfates metabolites of anabolic androgenic steroids: The pivotal role of chemical hydrolysis. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2020**, 1155, 122280	3.2	5
149	Assessment of Serum Cytokines and Oxidative Stress Markers in Elite Athletes Reveals Unique Profiles Associated With Different Sport Disciplines. *Frontiers in Physiology*, **2020**, 11, 600888	4.6	6
148	Phthalates and Bisphenol A: Presence in Blood Serum and Follicular Fluid of Italian Women Undergoing Assisted Reproduction Techniques. *Toxics*, **2020**, 8,	4.7	9
147	In-depth gas chromatography/tandem mass spectrometry fragmentation analysis of formestane and evaluation of mass spectral discrimination of isomeric 3-keto-4-ene hydroxy steroids. *Rapid Communications in Mass Spectrometry*, **2020**, 34, e8937	2.2	4
146	How reliable is dietary supplement labelling?-Experiences from the analysis of ecdysterone supplements. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 177, 112877	3.5	8

145	Targeting the administration of ecdysterone in doping control samples. *Forensic Toxicology*, **2020**, 38, 172-184	2.6	16
144	Mass spectrometric analysis of 7-oxygenated androst-5-ene structures. Influence in trimethylsilyl derivative formation. *Rapid Communications in Mass Spectrometry*, **2020**, 34, e8834	2.2	2
143	Fine-mapping of the substrate specificity of human steroid 21-hydroxylase (CYP21A2). *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 194, 105446	5.1	10
142	An investigation on the metabolic pathways of synthetic isoflavones by gas chromatography coupled to high accuracy mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2019**, 33, 1485-1493	2.2	4
141	Ecdysteroids as non-conventional anabolic agent: performance enhancement by ecdysterone supplementation in humans. *Archives of Toxicology*, **2019**, 93, 1807-1816	5.8	37
140	Development and validation of a semi-quantitative ultra-high performance liquid chromatography-tandem mass spectrometry method for screening of selective androgen receptor modulators in urine. *Journal of Chromatography A*, **2019**, 1600, 183-196	4.5	16
139	Metabolism of formestane in humans: Identification of urinary biomarkers for antidoping analysis. *Steroids*, **2019**, 146, 34-42	2.8	3
138	Metabolic profiling of elite athletes with different cardiovascular demand. *Scandinavian Journal of Medicine and Science in Sports*, **2019**, 29, 933-943	4.6	9
137	Phenotypic effects of chronic and acute use of methiopropamine in a mouse model. *International Journal of Legal Medicine*, **2019**, 133, 811-820	3.1	11
136	Synthetic isoflavones and doping: A novel class of aromatase inhibitors?. *Drug Testing and Analysis*, **2019**, 11, 208-214	3.5	6
135	Detection of urinary metabolites of arimistane in humans by gas chromatography coupled to high-accuracy mass spectrometry for antidoping analyses. *Rapid Communications in Mass Spectrometry*, **2019**, 33, 1894-1905	2.2	7
134	Urinary excretion profile of prednisone and prednisolone after different administration routes. *Drug Testing and Analysis*, **2019**, 11, 1601-1614	3.5	10
133	7-keto-DHEAmetabolism in humans. Pitfalls in interpreting the analytical results in the antidoping field. *Drug Testing and Analysis*, **2019**, 11, 1629-1643	3.5	7
132	Effects of transdermal administration of testosterone gel on the urinary steroid profile in hypogonadal men: Implications in antidoping analysis. *Steroids*, **2019**, 152, 108491	2.8	12
131	Development and validation of a method to confirm the exogenous origin of prednisone and prednisolone by GC-C-IRMS. *Drug Testing and Analysis*, **2019**, 11, 1615-1628	3.5	5
130	Metabolic GWAS of elite athletes reveals novel genetically-influenced metabolites associated with athletic performance. *Scientific Reports*, **2019**, 9, 19889	4.9	8
129	Detection of recombinant insulins in human urine by liquid chromatography-electrospray ionization tandem mass spectrometry after immunoaffinity purification based on monolithic microcolumns. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 8153-8162	4.4	6
128	Detection of 5□-reductase inhibitors by UPLC-MS/MS: Application to the definition of the excretion profile of dutasteride in urine. *Drug Testing and Analysis*, **2019**, 11, 1737-1746	3.5	4

127	Isotope ratio mass spectrometry in antidoping analysis: The use of endogenous reference compounds. *Rapid Communications in Mass Spectrometry*, **2019**, 33, 579-586	2.2	7
126	Combined chemical and biotechnological production of 20D-DH-NorDHCMT, a long-term metabolite of Oral-Turinabol (DHCMT). *Journal of Inorganic Biochemistry*, **2018**, 183, 165-171	4.2	18
125	A pilot study comparing the metabolic profiles of elite-level athletes from different sporting disciplines. *Sports Medicine - Open*, **2018**, 4, 2	6.1	44
124	Autophagy Regulates the Liver Clock and Glucose Metabolism by Degrading CRY1. *Cell Metabolism*, **2018**, 28, 268-281.e4	24.6	75
123	Detecting Autologous Blood Transfusion in Doping Control: Biomarkers of Blood Aging and Storage Measured by Flow Cytofluorimetry. *Current Pharmaceutical Biotechnology*, **2018**, 19, 124-135	2.6	6
122	Effect of non-prohibited drugs on the phase II metabolic profile of morphine. An in vitro investigation for doping control purposes. *Drug Testing and Analysis*, **2018**, 10, 984-994	3.5	3
121	A further insight into the metabolic profile of the nuclear receptor Rev-erb agonist, SR9009. *Drug Testing and Analysis*, **2018**, 10, 1670-1681	3.5	11
120	Metabolomics profiling of xenobiotics in elite athletes: relevance to supplement consumption. *Journal of the International Society of Sports Nutrition*, **2018**, 15, 48	4.5	17
119	Drug-drug interaction and doping: Effect of non-prohibited drugs on the urinary excretion profile of methandienone. *Drug Testing and Analysis*, **2018**, 10, 1554-1565	3.5	5
118	Liposomes as potential masking agents in sport doping. Part 2: Detection of liposome-entrapped haemoglobin by flow cytofluorimetry. *Drug Testing and Analysis*, **2017**, 9, 208-215	3.5	3
117	Liposomes as potential masking agents in sport doping. Part 1: analysis of phospholipids and sphingomyelins in drugs and biological fluids by aqueous normal-phase liquid chromatography-tandem mass spectrometry. *Drug Testing and Analysis*, **2017**, 9, 75-86	3.5	4
116	Non-targeted LC-MS based metabolomics analysis of the urinary steroidal profile. *Analytica Chimica Acta*, **2017**, 964, 112-122	6.6	29
115	Fast IRMS screening of pseudoendogenous steroids in doping analyses. *Drug Testing and Analysis*, **2017**, 9, 1804-1812	3.5	6
114	Characterization of the phase I and phase II metabolic profile of tolvaptan by in vitro studies and liquid chromatography-mass spectrometry profiling: Relevance to doping control analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 145, 555-568	3.5	13
113	Doping control container for urine stabilization: a pilot study. *Drug Testing and Analysis*, **2017**, 9, 699-712	3.5	7
112	A multi-targeted liquid chromatography-mass spectrometry screening procedure for the detection in human urine of drugs non-prohibited in sport commonly used by the athletes. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 117, 47-60	3.5	17
111	Drug-drug interactions and masking effects in sport doping: influence of miconazole administration on the urinary concentrations of endogenous anabolic steroids. *Forensic Toxicology*, **2016**, 34, 386-397	2.6	12
110	Metabolic studies of prostanozol with the uPA-SCID chimeric mouse model and human liver microsomes. *Steroids*, **2016**, 107, 139-48	2.8	

109	Drug Use on Mont Blanc: A Study Using Automated Urine Collection. *PLoS ONE*, **2016**, 11, e0156786	3.7	12
108	In vitro evaluation of the effects of anti-fungals, benzodiazepines and non-steroidal anti-inflammatory drugs on the glucuronidation of 19-norandrosterone: implications on doping control analysis. *Drug Testing and Analysis*, **2016**, 8, 930-9	3.5	10
107	Application of DNA-based forensic analysis for the detection of homologous transfusion of whole blood and of red blood cell concentrates in doping control. *Forensic Science International*, **2016**, 265, 204-10	2.6	6
106	SFC-MS/MS as an orthogonal technique for improved screening of polar analytes in anti-doping control. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 6789-97	4.4	29
105	Longitudinal evaluation of the isotope ratio mass spectrometric data: towards the ﬁsotopic moduleﬂof the athlete biological passport?. *Drug Testing and Analysis*, **2016**, 8, 1212-1221	3.5	8
104	Smoking habits of italian athletes undergoing anti-doping control. *Drug Testing and Analysis*, **2016**, 8, 133-5	3.5	1
103	Human hepatoma cell lines on gas foaming templated alginate scaffolds for in vitro drug-drug interaction and metabolism studies. *Toxicology in Vitro*, **2015**, 30, 331-40	3.6	7
102	Masking and unmasking strategies in sport doping **2015**, 166-182		2
101	Development and validation of a GC-C-IRMS method for the confirmation analysis of pseudo-endogenous glucocorticoids in doping control. *Drug Testing and Analysis*, **2015**, 7, 1071-8	3.5	13
100	Development and validation of a liquid chromatography–mass spectrometry procedure after solid-phase extraction for detection of 19 doping peptides in human urine. *Forensic Toxicology*, **2015**, 33, 321-337	2.6	24
99	Ecdysteroids: A novel class of anabolic agents?. *Biology of Sport*, **2015**, 32, 169-73	4.3	45
98	Acute effects of physical exercise and phosphodiesterase type 5 inhibition on serum 11-hydroxysteroid dehydrogenases related glucocorticoids metabolites: a pilot study. *Endocrine*, **2014**, 47, 952-8	4	7
97	Drug-drug interaction and doping, part 2: an in vitro study on the effect of non-prohibited drugs on the phase I metabolic profile of stanozolol. *Drug Testing and Analysis*, **2014**, 6, 969-77	3.5	21
96	Drug-drug interaction and doping, part 1: an in vitro study on the effect of non-prohibited drugs on the phase I metabolic profile of toremifene. *Drug Testing and Analysis*, **2014**, 6, 482-91	3.5	5
95	Metabolism of methylstenbolone studied with human liver microsomes and the uPA+/+-SCID chimeric mouse model. *Biomedical Chromatography*, **2014**, 28, 974-85	1.7	14
94	Affinity-based biosensors in sport medicine and doping control analysis. *Bioanalysis*, **2014**, 6, 225-45	2.1	14
93	A liquid chromatography-mass spectrometry method based on class characteristic fragmentation pathways to detect the class of indole-derivative synthetic cannabinoids in biological samples. *Analytica Chimica Acta*, **2014**, 837, 70-82	6.6	31
92	Time for change: a roadmap to guide the implementation of the World Anti-Doping Code 2015. *British Journal of Sports Medicine*, **2014**, 48, 801-6	10.3	13

91	Detection of formestane abuse by mass spectrometric techniques. *Drug Testing and Analysis*, **2014**, 6, 1133-40	3.5	12
90	Narrowing the gap between the number of athletes who dope and the number of athletes who are caught: scientific advances that increase the efficacy of antidoping tests. *British Journal of Sports Medicine*, **2014**, 48, 833-6	10.3	15
89	A modified procedure based on a vacuum-driven blotting system for the detection of erythropoietin and its analogs. *Bioanalysis*, **2014**, 6, 1605-15	2.1	4
88	Characterization of Argentine honeys on the basis of their mineral content and some typical quality parameters. *Chemistry Central Journal*, **2014**, 8, 44		23
87	A simplified procedure for the analysis of formoterol in human urine by liquid chromatography-electrospray tandem mass spectrometry: application to the characterization of the metabolic profile and stability of formoterol in urine. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2013**, 931, 75-83	3.2	13
86	Investigation on the application of DNA forensic human identification techniques to detect homologous blood transfusions in doping control. *Talanta*, **2013**, 110, 28-31	6.2	7
85	Characterization of the biotransformation pathways of clomiphene, tamoxifen and toremifene as assessed by LC-MS/(MS) following in vitro and excretion studies. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 5467-87	4.4	27
84	Metabolism of boldione in humans by mass spectrometric techniques: detection of pseudoendogenous metabolites. *Drug Testing and Analysis*, **2013**, 5, 834-42	3.5	3
83	Concerns about serum androgens monitoring during testosterone replacement treatments in hypogonadal male athletes: a pilot study. *Journal of Sexual Medicine*, **2012**, 9, 873-86	1.1	13
82	A comprehensive procedure based on gas chromatography-isotope ratio mass spectrometry following high performance liquid chromatography purification for the analysis of underivatized testosterone and its analogues in human urine. *Analytica Chimica Acta*, **2012**, 756, 23-9	6.6	36
81	Trace metals intake of Nacella (P) magellanica from the Beagle Channel, Tierra del Fuego (Patagonia, Argentina). *International Journal of Environment and Health*, **2012**, 6, 84	1.3	6
80	Laboratory medicine and sports: between Scylla and Charybdis. *Clinical Chemistry and Laboratory Medicine*, **2012**, 50, 1309-16	5.9	9
79	Preparation and accreditation of anti-doping laboratories for the Olympic Games. *Bioanalysis*, **2012**, 4, 1623-31	2.1	1
78	Doping analysis on solid ground. *Tidsskrift for Den Norske Laegeforening*, **2012**, 132, 130	3.5	2
77	Prevalence of illicit drug use among the Italian athlete population with special attention on drugs of abuse: a 10-year review. *Journal of Sports Sciences*, **2011**, 29, 471-6	3.6	23
76	Detection of new exemestane metabolites by liquid chromatography interfaced to electrospray-tandem mass spectrometry. *Journal of Steroid Biochemistry and Molecular Biology*, **2011**, 127, 248-54	5.1	12
75	A simplified procedure for GC/C/IRMS analysis of underivatized 19-norandrosterone in urine following HPLC purification. *Steroids*, **2011**, 76, 471-7	2.8	26
74	Relevance of the selective oestrogen receptor modulators tamoxifen, toremifene and clomiphene in doping field: endogenous steroids urinary profile after multiple oral doses. *Steroids*, **2011**, 76, 1400-6	2.8	21

73	Screening and confirmation analysis of stimulants, narcotics and beta-adrenergic agents in human urine by hydrophilic interaction liquid chromatography coupled to mass spectrometry. *Journal of Chromatography A*, **2011**, 1218, 8156-67	4.5	37
72	A rapid analytical method for the detection of plasma volume expanders and mannitol based on the urinary saccharides and polyalcohols profile. *Drug Testing and Analysis*, **2011**, 3, 896-905	3.5	4
71	Accelerated sample treatment for screening of banned doping substances by GC-MS: ultrasonication versus microwave energy. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 861-75	4.4	14
70	Fast GC-MS method for the simultaneous screening of THC-COOH, cocaine, opiates and analogues including buprenorphine and fentanyl, and their metabolites in urine. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 1623-30	4.4	35
69	Urinary excretion profiles of toremifene metabolites by liquid chromatography-mass spectrometry. Towards targeted analysis to relevant metabolites in doping control. *Analytical and Bioanalytical Chemistry*, **2011**, 401, 529-41	4.4	9
68	Urine stability and steroid profile: towards a screening index of urine sample degradation for anti-doping purpose. *Analytica Chimica Acta*, **2011**, 683, 221-6	6.6	40
67	A simple and rapid pre-confirmation method to distinguish endogenous human haemoglobin from synthetic haemoglobin-based oxygen carriers in doping control. *Electrophoresis*, **2011**, 32, 2915-8	3.6	5
66	The androgen receptor and its use in biological assays: looking toward effect-based testing and its applications. *Journal of Analytical Toxicology*, **2011**, 35, 594-607	2.9	18
65	The abuse of diuretics as performance-enhancing drugs and masking agents in sport doping: pharmacology, toxicology and analysis. *British Journal of Pharmacology*, **2010**, 161, 1-16	8.6	70
64	Analysis of stimulants in oral fluid and urine by gas chromatography-mass spectrometry II: pseudophedrine. *Journal of Analytical Toxicology*, **2010**, 34, 210-5	2.9	13
63	Multifunctional au nanoparticle dendrimer-based surface plasmon resonance biosensor and its application for improved insulin detection. *Analytical Chemistry*, **2010**, 82, 7335-42	7.8	117
62	A fast screening method for the detection of the abuse of hemoglobin-based oxygen carriers (HBOCs) in doping control. *Talanta*, **2010**, 81, 252-4	6.2	8
61	Speeding up the process urine sample pre-treatment: some perspectives on the use of microwave assisted extraction in the anti-doping field. *Talanta*, **2010**, 81, 1264-72	6.2	12
60	A rapid screening LC-MS/MS method based on conventional HPLC pumps for the analysis of low molecular weight xenobiotics: application to doping control analysis. *Drug Testing and Analysis*, **2010**, 2, 311-22	3.5	18
59	Effects of propyphenazone and other non-steroidal anti-inflammatory agents on the synthetic and endogenous androgenic anabolic steroids urinary excretion and/or instrumental detection. *Analytica Chimica Acta*, **2010**, 657, 60-8	6.6	14
58	Microwave irradiation for a fast gas chromatography-mass spectrometric analysis of polysaccharide-based plasma volume expanders in human urine. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2010**, 878, 3024-32	3.2	8
57	Mass spectrometric characterization of tamoxifene metabolites in human urine utilizing different scan parameters on liquid chromatography/tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 749-60	2.2	15
56	A fast gas chromatography/mass spectrometry method for the determination of stimulants and narcotics in urine. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 1475-80	2.2	10

55	A gas chromatography/mass spectrometry method for the determination of sildenafil, vardenafil and tadalafil and their metabolites in human urine. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 1697-706	2.2	44
54	Improved ultrasonic-based sample treatment for the screening of anabolic steroids by gas chromatography/mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 2375-85	2.2	15
53	Toxicological determination and in vitro metabolism of the designer drug methylenedioxypyrovalerone (MDPV) by gas chromatography/mass spectrometry and liquid chromatography/quadrupole time-of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 2706-14	2.2	89
52	Humanized animal models to study drug metabolism: no longer a "chimera"?. *Clinical Chemistry*, **2009**, 55, 1763-4	5.5	4
51	Rapid screening of beta-adrenergic agents and related compounds in human urine for anti-doping purpose using capillary electrophoresis with dynamic coating. *Journal of Separation Science*, **2009**, 32, 3562-70	3.4	17
50	A rapid method for the extraction, enantiomeric separation and quantification of amphetamines in hair. *Forensic Science International*, **2009**, 193, 95-100	2.6	25
49	Surface plasmon resonance immunosensor for cortisol and cortisone determination. *Analytical and Bioanalytical Chemistry*, **2009**, 394, 2151-9	4.4	50
48	Partially disposable biosensors for the quick assessment of damage in foodstuff after thermal treatment. *Microchemical Journal*, **2009**, 91, 209-213	4.8	10
47	Lichen Usnea barbata as biomonitor of airborne elements deposition in the Province of Tierra del Fuego (southern Patagonia, Argentina). *Ecotoxicology and Environmental Safety*, **2009**, 72, 1082-9	7	27
46	Enhancement drugs and the athlete. *Physical Medicine and Rehabilitation Clinics of North America*, **2009**, 20, 133-48, ix	2.3	7
45	The relevance of the urinary concentration of ephedrines in anti-doping analysis: determination of pseudoephedrine, cathine, and ephedrine after administration of over-the-counter medicaments. *Therapeutic Drug Monitoring*, **2009**, 31, 520-6	3.2	17
44	Consumo de sustancias estimulantes y drogas de abuso en el deporte: la experiencia italiana. *Revista De Psicologia De La Salud*, **2009**, 21, 239	1	4
43	Enhancement drugs and the athlete. *Neurologic Clinics*, **2008**, 26, 149-67; ix	4.5	15
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