Francesco Botre

List of Publications by Year
in descending order

211 papers	4,469 citations	126708 33 h-index	182168 51 g-index
223 all docs	223 docs citations	223 times ranked	4330 citing authors

#	Article	IF	Citations
1	Honeybees and their products as potential bioindicators of heavy metals contamination. , 2001, 69, 267-282.		212
2	Multifunctional Au Nanoparticle Dendrimer-Based Surface Plasmon Resonance Biosensor and Its Application for Improved Insulin Detection. Analytical Chemistry, 2010, 82, 7335-7342.	3.2	126
3	Autophagy Regulates the Liver Clock and Glucose Metabolism by Degrading CRY1. Cell Metabolism, 2018, 28, 268-281.e4.	7.2	124
4	A screening method for the simultaneous detection of glucocorticoids, diuretics, stimulants, anti-oestrogens, beta-adrenergic drugs and anabolic steroids in human urine by LC-ESI-MS/MS. Analytical and Bioanalytical Chemistry, 2008, 392, 681-698.	1.9	106
5	The abuse of diuretics as performanceâ€enhancing drugs and masking agents in sport doping: pharmacology, toxicology and analysis. British Journal of Pharmacology, 2010, 161, 1-16.	2.7	104
6	Toxicological determination and in vitro metabolism of the designer drug methylenedioxypyrovalerone (MPDV) by gas chromatography/mass spectrometry and liquid chromatography/quadrupole timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2706-2714.	0.7	98
7	A pilot study comparing the metabolic profiles of elite-level athletes from different sporting disciplines. Sports Medicine - Open, 2018, 4, 2.	1.3	94
8	Determination of endogenous and synthetic glucocorticoids in human urine by gas chromatographyâ€“mass spectrometry following microwave-assisted derivatization. Analytica Chimica Acta, 2003, 489, 233-243.	2.6	91
9	A fast liquid chromatographic/mass spectrometric screening method for the simultaneous detection of synthetic glucocorticoids, some stimulants, anti-oestrogen drugs and synthetic anabolic steroids. Rapid Communications in Mass Spectrometry, 2006, 20, 3465-3476.	0.7	91
10	Alkaline phosphatase inhibition based electrochemical sensors for the detection of pesticides. Journal of Electroanalytical Chemistry, 2004, 574, 95-100.	1.9	78
11	Ecdysteroids: A novel class of anabolic agents?. Biology of Sport, 2014, 32, 169-173.	1.7	75
12	Ecdysteroids as non-conventional anabolic agent: performance enhancement by ecdysterone supplementation in humans. Archives of Toxicology, 2019, 93, 1807-1816.	1.9	75
13	Determination of clenbuterol in human urine by GCâ€“MSâ€“MSâ€“MS: confirmation analysis in antidoping control. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 773, 7-16.	1.2	71
14	Rapid determination of diuretics in human urine by gas chromatographyâ€“mass spectrometry following microwave assisted derivatization. Analytica Chimica Acta, 2003, 475, 125-136.	2.6	69
15	Parallel analysis of stimulants in saliva and urine by gas chromatography/mass spectrometry: Perspectives for â€œin competitionâ€•anti-doping analysis. Analytica Chimica Acta, 2008, 606, 217-222.	2.6	65
16	Surface plasmon resonance immunosensor for cortisol and cortisone determination. Analytical and Bioanalytical Chemistry, 2009, 394, 2151-2159.	1.9	63
17	A screening method for the detection of synthetic glucocorticosteroids in human urine by liquid chromatographyâ€“mass spectrometry based on class-characteristic fragmentation pathways. Analytical and Bioanalytical Chemistry, 2008, 390, 1389-1402.	1.9	61
18	Acid phosphatase/glucose oxidase-based biosensors for the determination of pesticides. Analytica Chimica Acta, 1996, 336, 67-75.	2.6	56

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19	Detection of beta-blockers in human urine by GC-MS-MS-EI: perspectives for the antidoping control. Journal of Pharmaceutical and Biomedical Analysis, 2000, 23, 211-221.	1.4	54
20	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, 1697-1706.	0.7	50
21	Peroxidase based biosensors for the selective determination of D,L-lactic acid and L-malic acid in wines. Microchemical Journal, 2007, 87, 81-86.	2.3	45
22	Urine stability and steroid profile: Towards a screening index of urine sample degradation for anti-doping purpose. Analytica Chimica Acta, 2011, 683, 221-226.	2.6	44
23	Rapid screening of drugs of abuse and their metabolites by gas chromatography/mass spectrometry: application to urinalysis. Rapid Communications in Mass Spectrometry, 2005, 19, 1529-1535.	0.7	43
24	Detrimental effects of anabolic steroids on human endothelial cells. Toxicology Letters, 2007, 169, 129-136.	0.4	43
25	Application of fast gas chromatography/mass spectrometry for the rapid screening of synthetic anabolic steroids and other drugs in antiâ€doping analysis. Rapid Communications in Mass Spectrometry, 2007, 21, 4117-4124.	0.7	42
26	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, 8156-8167.	1.8	42
27	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, 1623-1630.	1.9	42
28	Plant tissue electrode for the determination of atrazine. Analytica Chimica Acta, 1995, 316, 79-82.	2.6	41
29	A Mass Spectrometric Approach for the Study of the Metabolism of Clomiphene, Tamoxifen and Toremifene by Liquid Chromatography Time-of-Flight Spectroscopy. European Journal of Mass Spectrometry, 2008, 14, 171-180.	0.5	40
30	A comprehensive procedure based on gas chromatographyâ€“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, 23-29.	2.6	38
31	Non-targeted LC-MS based metabolomics analysis of the urinary steroidal profile. Analytica Chimica Acta, 2017, 964, 112-122.	2.6	38
32	A liquid chromatographyâ€“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.	2.6	36
33	Analysis of organophosphorus pesticides by gas chromatographyâ€“mass spectrometry with negative chemical ionization: a study on the ionization conditions. Analytica Chimica Acta, 2002, 461, 97-108.	2.6	34
34	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, 1082-1089.	2.9	34
35	SFC-MS/MS as an orthogonal technique for improved screening of polar analytes in anti-doping control. Analytical and Bioanalytical Chemistry, 2016, 408, 6789-6797.	1.9	34
36	Effect of Anti-Carbonic Anhydrase Antibodies on Carbonic Anhydrases I and II. Clinical Chemistry, 2003, 49, 1221-1223.	1.5	33

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37	Metabolic GWAS of elite athletes reveals novel genetically-influenced metabolites associated with athletic performance. Scientific Reports, 2019, 9, 19889.	1.6	33
38	Characterization of Argentine honeys on the basis of their mineral content and some typical quality parameters. Chemistry Central Journal, 2014, 8, 44.	2.6	32
39	Screening and confirmation analysis of anabolic agents in human urine by gas chromatography â€" hybrid mass spectrometry (high resolution â€" time of flight). Analytica Chimica Acta, 2001, 447, 75-88.	2.6	31
40	New and old challenges of sports drug testing. Journal of Mass Spectrometry, 2008, 43, 903-907.	0.7	31
41	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, 5467-5487.	1.9	31
42	Development and validation of a liquid chromatographyâ€"mass spectrometry procedure after solid-phase extraction for detection of 19 doping peptides in human urine. Forensic Toxicology, 2015, 33, 321-337.	1.4	31
43	Targeting the administration of ecdysterone in doping control samples. Forensic Toxicology, 2020, 38, 172-184.	1.4	31
44	Detection of sibutramine administration: a gas chromatography/mass spectrometry study of the main urinary metabolites. Rapid Communications in Mass Spectrometry, 2007, 21, 79-88.	0.7	30
45	Phthalates and Bisphenol A: Presence in Blood Serum and Follicular Fluid of Italian Women Undergoing Assisted Reproduction Techniques. Toxics, 2020, 8, 91.	1.6	30
46	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.	1.1	30
47	Application of Solid-Phase Microextraction to Antidoping Analysis: Determination of Stimulants, Narcotics, and Other Classes of Substances Excreted Free in Urine. Journal of Analytical Toxicology, 2005, 29, 217-222.	1.7	29
48	A rapid method for the extraction, enantiomeric separation and quantification of amphetamines in hair. Forensic Science International, 2009, 193, 95-100.	1.3	29
49	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, 471-476.	1.0	28
50	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, 1400-1406.	0.8	28
51	Metabolomics profiling of xenobiotics in elite athletes: relevance to supplement consumption. Journal of the International Society of Sports Nutrition, 2018, 15, 48.	1.7	28
52	A simplified procedure for GC/C/IRMS analysis of underivatized 19-norandrosterone in urine following HPLC purification. Steroids, 2011, 76, 471-477.	0.8	27
53	Drugs of abuse and abuse of drugs in sportsmen: the role of in vitro models to study effects and mechanisms. Toxicology in Vitro, 2003, 17, 509-513.	1.1	25
54	Cholinesterase based bioreactor for determination of pesticides. Sensors and Actuators B: Chemical, 1994, 19, 689-693.	4.0	24

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55	Determination of twenty-five elements in lichens by sector field inductively coupled plasma mass spectrometry and microwave-assisted acid digestion. Rapid Communications in Mass Spectrometry, 2007, 21, 1900-1906.	0.7	24
56	Drugâ€drug interaction and doping, part 2: An in vitro study on the effect of nonâ€prohibited drugs on the phase I metabolic profile of stanozolol. Drug Testing and Analysis, 2014, 6, 969-977.	1.6	23
57	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.	1.8	23
58	Metabolic profiling of elite athletes with different cardiovascular demand. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 933-943.	1.3	23
59	A multi-targeted liquid chromatographyâ€“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.	1.4	22
60	Rapid screening of betaâ€adrenergic agents and related compounds in human urine for antiâ€doping purpose using capillary electrophoresis with dynamic coating. Journal of Separation Science, 2009, 32, 3562-3570.	1.3	21
61	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, 833-836.	3.1	21
62	Improving the detection of anabolic steroid esters in human serum by LCâ€“MS. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113807.	1.4	21
63	Age and Sport Intensity-Dependent Changes in Cytokines and Telomere Length in Elite Athletes. Antioxidants, 2021, 10, 1035.	2.2	21
64	Enhancement Drugs and the Athlete. Neurologic Clinics, 2008, 26, 149-167.	0.8	20
65	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, 520-526.	1.0	20
66	A rapid screening LCâ€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, 311-322.	1.6	20
67	Time for change: a roadmap to guide the implementation of the World Anti-Doping Code 2015. British Journal of Sports Medicine, 2014, 48, 801-806.	3.1	20
68	Combined chemical and biotechnological production of 20Î²OH-NorDHCMT, a long-term metabolite of Oral-Turinabol (DHCMT). Journal of Inorganic Biochemistry, 2018, 183, 165-171.	1.5	20
69	A multi-enzyme bioelectrode for the rapid determination of total lactate concentration in tomatoes, tomato juice and tomato paste. Food Chemistry, 1996, 55, 413-418.	4.2	19
70	The content of heavy metals in food packaging paper: an atomic absorption spectroscopy investigation. Food Control, 1997, 8, 131-136.	2.8	19
71	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, 749-760.	0.7	19
72	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.	1.7	19

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73	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.	1.2	19
74	Effect of the systemic versus inhalatory administration of synthetic glucocorticoids on the urinary steroid profile as studied by gas chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2006, 559, 30-36.	2.6	18
75	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, 60-68.	2.6	18
76	Improved ultrasonic-based sample treatment for the screening of anabolic steroids by gas chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2375-2385.	0.7	18
77	Affinity-based biosensors in sport medicine and doping control analysis. Bioanalysis, 2014, 6, 225-245.	0.6	18
78	Peroxidase based amperometric biosensors for the determination of Î³-aminobutyric acid. Analytica Chimica Acta, 1996, 328, 41-46.	2.6	17
79	Analysis of Stimulants in Oral Fluid and Urine by Gas Chromatography-Mass Spectrometry II: Pseudophedrine. Journal of Analytical Toxicology, 2010, 34, 210-215.	1.7	17
80	Development and validation of a GCâ€Câ€IRMS method for the confirmation analysis of pseudoâ€endogenous glucocorticoids in doping control. Drug Testing and Analysis, 2015, 7, 1071-1078.	1.6	17
81	Phenotypic effects of chronic and acute use of methiopropamine in a mouse model. International Journal of Legal Medicine, 2019, 133, 811-820.	1.2	17
82	Effects of transdermal administration of testosterone gel on the urinary steroid profile in hypogonadal men: Implications in antidoping analysis. Steroids, 2019, 152, 108491.	0.8	17
83	Laboratory medicine and sports: between Scylla and Charybdis. Clinical Chemistry and Laboratory Medicine, 2012, 50, 1309-16.	1.4	16
84	Concerns About Serum Androgens Monitoring During Testosterone Replacement Treatments in Hypogonadal Male Athletes: A Pilot Study. Journal of Sexual Medicine, 2012, 9, 873-886.	0.3	16
85	Characterization of the phase I and phase II metabolic profile of tolvaptan by in vitro studies and liquid chromatographyâ€“mass spectrometry profiling: Relevance to doping control analysis. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 555-568.	1.4	16
86	Development and application of analytical procedures for the GCâ€“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.	1.2	16
87	Drug Use on Mont Blanc: A Study Using Automated Urine Collection. PLoS ONE, 2016, 11, e0156786.	1.1	16
88	Determination of carbonic anhydrase activity by a pCO2 sensor. Analytical Biochemistry, 1990, 185, 254-264.	1.1	15
89	Mass spectrometry and illicit drug testing: analytical challenges of the anti-doping laboratories. Expert Review of Proteomics, 2008, 5, 535-539.	1.3	15
90	A fast gas chromatography/mass spectrometry method for the determination of stimulants and narcotics in urine. Rapid Communications in Mass Spectrometry, 2010, 24, 1475-1480.	0.7	15

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91	A simplified procedure for the analysis of formoterol in human urine by liquid chromatographyâ€“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.	1.2	15
92	Metabolism of methylstenbolone studied with human liver microsomes and the uPA^{+/+}â€SCID chimeric mouse model. Biomedical Chromatography, 2014, 28, 974-985.	0.8	15
93	A further insight into the metabolic profile of the nuclear receptor Revâ€erb agonist, SR9009. Drug Testing and Analysis, 2018, 10, 1670-1681.	1.6	15
94	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.	1.4	15
95	Detecting Autologous Blood Transfusion in Doping Control: Biomarkers of Blood Aging and Storage Measured by Flow Cytofluorimetry. Current Pharmaceutical Biotechnology, 2018, 19, 124-135.	0.9	15
96	Carbonic anhydrase and urease: an investigation in vitro on the possibility of a synergic action. BBA - Proteins and Proteomics, 1989, 997, 111-114.	2.1	14
97	Plant tissue biosensors for the determination of biogenic diamines and of their amino acid precursors: effect of carbonic anhydrase. Sensors and Actuators B: Chemical, 1993, 15, 135-140.	4.0	14
98	Determination of l-glutamate and l-glutamine in pharmaceutical formulations by amperometric l-glutamate oxidase based enzyme sensors. Journal of Pharmaceutical and Biomedical Analysis, 1993, 11, 679-686.	1.4	14
99	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, 1264-1272.	2.9	14
100	Detection of new exemestane metabolites by liquid chromatography interfaced to electrospray-tandem mass spectrometry. Journal of Steroid Biochemistry and Molecular Biology, 2011, 127, 248-254.	1.2	14
101	Accelerated sample treatment for screening of banned doping substances by GCâ€“MS: ultrasonication versus microwave energy. Analytical and Bioanalytical Chemistry, 2011, 399, 861-875.	1.9	14
102	Detection of formestane abuse by mass spectrometric techniques. Drug Testing and Analysis, 2014, 6, 1133-1140.	1.6	14
103	Urinary excretion profile of prednisone and prednisolone after different administration routes. Drug Testing and Analysis, 2019, 11, 1601-1614.	1.6	14
104	Fine-mapping of the substrate specificity of human steroid 21-hydroxylase (CYP21A2). Journal of Steroid Biochemistry and Molecular Biology, 2019, 194, 105446.	1.2	14
105	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.	1.3	14
106	UPLCâ€“MS-Based Procedures to Detect Prolyl-Hydroxylase Inhibitors of HIF in Urine. Journal of Analytical Toxicology, 2021, 45, 184-194.	1.7	14
107	Determination of glutamic acid decarboxylase activity and inhibition by an H2O2-sensing glutamic acid oxidase biosensor. Analytical Biochemistry, 1992, 201, 227-232.	1.1	13
108	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.	1.4	13

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109	New Insights into the Metabolism of Methyltestosterone and Metandienone: Detection of Novel A-Ring Reduced Metabolites. Molecules, 2021, 26, 1354.	1.7	13
110	Isotope ratio mass spectrometry in antidoping analysis: The use of endogenous reference compounds. Rapid Communications in Mass Spectrometry, 2019, 33, 579-586.	0.7	12
111	How reliable is dietary supplement labelling?â€"Experiences from the analysis of ecdysterone supplements. Journal of Pharmaceutical and Biomedical Analysis, 2020, 177, 112877.	1.4	12
112	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	12
113	A further insight into methyltestosterone metabolism: New evidences from in vitro and in vivo experiments. Rapid Communications in Mass Spectrometry, 2020, 34, e8870.	0.7	12
114	Potentiometric determination of carbonic anhydrase activity in rabbit carotid bodies: Comparison among normoxic, hyperoxic and hypoxic animals. Neuroscience Letters, 1994, 166, 126-130.	1.0	11
115	Enhancement Drugs and the Athlete. Physical Medicine and Rehabilitation Clinics of North America, 2009, 20, 133-148.	0.7	11
116	In vitro evaluation of the effects of antiâ€fungals, benzodiazepines and nonâ€steroidal antiâ€inflammatory drugs on the glucuronidation of 19â€norandrosterone: implications on doping control analysis. Drug Testing and Analysis, 2016, 8, 930-939.	1.6	11
117	Longitudinal evaluation of the isotope ratio mass spectrometric data: towards the â€˜isotopic moduleâ€™ of the athlete biological passport?. Drug Testing and Analysis, 2016, 8, 1212-1221.	1.6	11
118	Detection of urinary metabolites of arimistane in humans by gas chromatography coupled to highâ€accuracy mass spectrometry for antidoping analyses. Rapid Communications in Mass Spectrometry, 2019, 33, 1894-1905.	0.7	11
119	7â€ketoâ€DHEAmetabolism in humans. Pitfalls in interpreting the analytical results in the antidoping field. Drug Testing and Analysis, 2019, 11, 1629-1643.	1.6	11
120	Inhibitionâ€based biosensors for the detection of environmental contaminants: Determination of 2, 4â€dichlorophenoxyacetic acid. Environmental Toxicology and Chemistry, 2000, 19, 2876-2881.	2.2	10
121	Partially disposable biosensors for the quick assessment of damage in foodstuff after thermal treatment. Microchemical Journal, 2009, 91, 209-213.	2.3	10
122	Investigation on the application of DNA forensic human identification techniques to detect homologous blood transfusions in doping control. Talanta, 2013, 110, 28-31.	2.9	10
123	Acute effects of physical exercise and phosphodiesteraseâ€™s type 5 inhibition on serum 11Î²-hydroxysteroid dehydrogenases related glucocorticoids metabolites: a pilot study. Endocrine, 2014, 47, 952-958.	1.1	10
124	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, 204-210.	1.3	10
125	Fast IRMS screening of pseudoendogenous steroids in doping analyses. Drug Testing and Analysis, 2017, 9, 1804-1812.	1.6	10
126	Development and validation of a method to confirm the exogenous origin of prednisone and prednisolone by GCâ€Câ€IRMS. Drug Testing and Analysis, 2019, 11, 1615-1628.	1.6	10

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127	Metabolomics and doping analysis: promises and pitfalls. Bioanalysis, 2020, 12, 719-722.	0.6	10
128	Urinary excretion profile of methiopropamine in mice following intraperitoneal administration: A liquid chromatographyâ€“tandem mass spectrometry investigation. Drug Testing and Analysis, 2021, 13, 91-100.	1.6	10
129	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.	0.9	10
130	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, 529-541.	1.9	9
131	Drugâ€drug interaction and doping, part 1: An in vitro study on the effect of nonâ€prohibited drugs on the phase I metabolic profile of toremifene. Drug Testing and Analysis, 2014, 6, 482-491.	1.6	9
132	Synthetic isoflavones and doping: A novel class of aromatase inhibitors?. Drug Testing and Analysis, 2019, 11, 208-214.	1.6	9
133	Detection of recombinant insulins in human urine by liquid chromatographyâ€“electrospray ionization tandem mass spectrometry after immunoaffinity purification based on monolithic microcolumns. Analytical and Bioanalytical Chemistry, 2019, 411, 8153-8162.	1.9	9
134	Enhanced UHPLC-MS/MS screening of selective androgen receptor modulators following urine hydrolysis. MethodsX, 2020, 7, 100926.	0.7	9
135	INHIBITION-BASED BIOSENSORS FOR THE DETECTION OF ENVIRONMENTAL CONTAMINANTS: DETERMINATION OF 2,4-DICHLOROPHENOXYACETIC ACID. Environmental Toxicology and Chemistry, 2000, 19, 2876.	2.2	9
136	Microwave irradiation for a fast gas chromatographyâ€“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, 3024-3032.	1.2	8
137	A fast screening method for the detection of the abuse of hemoglobin-based oxygen carriers (HBOCs) in doping control. Talanta, 2010, 81, 252-254.	2.9	8
138	Human hepatoma cell lines on gas foaming templated alginate scaffolds for in vitro drug-drug interaction and metabolism studies. Toxicology in Vitro, 2015, 30, 331-340.	1.1	8
139	Multianalyte LCâ€“MS-based methods in doping control: what are the implications for doping athletes?. Bioanalysis, 2016, 8, 1129-1132.	0.6	8
140	Detection of clostebol in sports: Accidental doping?. Drug Testing and Analysis, 2020, 12, 1561-1569.	1.6	8
141	Urinary Elimination of Ecdysterone and Its Metabolites Following a Single-Dose Administration in Humans. Metabolites, 2021, 11, 366.	1.3	8
142	Red blood cell derived extracellular vesicles during the process of autologous blood doping. Drug Testing and Analysis, 2022, 14, 1984-1994.	1.6	8
143	Doping control container for urine stabilization: a pilot study. Drug Testing and Analysis, 2017, 9, 699-712.	1.6	7
144	Influence of Indomethacin on Steroid Metabolism: Endocrine Disruption and Confounding Effects in Urinary Steroid Profiling of Anti-Doping Analyses. Metabolites, 2020, 10, 463.	1.3	7

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145	Influence of Pain Killers on the Urinary Anabolic Steroid Profile. Journal of Analytical Toxicology, 2020, 44, 871-879.	1.7	7
146	Detection and quantitation of ecdysterone in human serum by liquid chromatography coupled to tandem mass spectrometry. Steroids, 2020, 157, 108603.	0.8	7
147	Metabolic profile of the synthetic drug 4,4â€²-dimethylaminorex in urine by LCâ€“MS-based techniques: selection of the most suitable markers of its intake. Forensic Toxicology, 2021, 39, 89-100.	1.4	7
148	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.	2.9	7
149	Development and validation of a liquid chromatographyâ€“tandem mass spectrometry method for the simultaneous analysis of androgens, estrogens, glucocorticoids and progestagens in human serum. Biomedical Chromatography, 2022, 36, e5344.	0.8	7
150	Supercritical fluid chromatography mass spectrometry as an emerging technique in doping control analysis. TrAC - Trends in Analytical Chemistry, 2022, 147, 116517.	5.8	7
151	Effect of -NBOMe Compounds on Sensorimotor, Motor, and Prepulse Inhibition Responses in Mice in Comparison With the 2C Analogs and Lysergic Acid Diethylamide: From Preclinical Evidence to Forensic Implication in Driving Under the Influence of Drugs. Frontiers in Psychiatry, 2022, 13, 875722.	1.3	7
152	Trace metals intake of Nacella (P) magellanica from the Beagle Channel, Tierra del Fuego (Patagonia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	6
153	Drugâ€“drug interaction and doping: Effect of nonâ€prohibited drugs on the urinary excretion profile of methandienone. Drug Testing and Analysis, 2018, 10, 1554-1565.	1.6	6
154	Detection of 5Î±â€reductase inhibitors by UPLCâ€“MS/MS: Application to the definition of the excretion profile of dutasteride in urine. Drug Testing and Analysis, 2019, 11, 1737-1746.	1.6	6
155	Validation of steroid sulfates deconjugation for metabolic studies. Application to human urine samples. Journal of Pharmacological and Toxicological Methods, 2020, 106, 106938.	0.3	6
156	Carbon isotopic characterization of prednisolone and prednisone pharmaceutical formulations: Implications in antidoping analysis. Drug Testing and Analysis, 2020, 12, 1587-1598.	1.6	6
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