Francesco Botre

List of Publications by Citations

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	Honeybees and their products as potential bioindicators of heavy metals contamination. *Environmental Monitoring and Assessment*, **2001**, 69, 267-82	3.1	169
197	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
196	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, 681-98	4.4	94
195	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
194	Determination of endogenous and synthetic glucocorticoids in human urine by gas chromatography–mass spectrometry following microwave-assisted derivatization. *Analytica Chimica Acta*, **2003**, 489, 233-243	6.6	84
193	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, 3465-76	2.2	82
192	Autophagy Regulates the Liver Clock and Glucose Metabolism by Degrading CRY1. *Cell Metabolism*, **2018**, 28, 268-281.e4	24.6	75
191	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
190	Determination of clenbuterol in human urine by GC-MS-MS-MS: confirmation analysis in antidoping control. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2002**, 773, 7-16	3.2	66
189	Alkaline phosphatase inhibition based electrochemical sensors for the detection of pesticides. *Journal of Electroanalytical Chemistry*, **2004**, 574, 95-100	4.1	63
188	Rapid determination of diuretics in human urine by gas chromatography–mass spectrometry following microwave assisted derivatization. *Analytica Chimica Acta*, **2003**, 475, 125-136	6.6	63
187	Parallel analysis of stimulants in saliva and urine by gas chromatography/mass spectrometry: perspectives for "in competition" anti-doping analysis. *Analytica Chimica Acta*, **2008**, 606, 217-22	6.6	58
186	A screening method for the detection of synthetic glucocorticosteroids in human urine by liquid chromatography-mass spectrometry based on class-characteristic fragmentation pathways. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 1389-402	4.4	57
185	Surface plasmon resonance immunosensor for cortisol and cortisone determination. *Analytical and Bioanalytical Chemistry*, **2009**, 394, 2151-9	4.4	50
184	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, 211-21	3.5	47
183	Acid phosphatase/glucose oxidase-based biosensors for the determination of pesticides. *Analytica Chimica Acta*, **1996**, 336, 67-75	6.6	47
182	Ecdysteroids: A novel class of anabolic agents?. *Biology of Sport*, **2015**, 32, 169-73	4.3	45

181	A pilot study comparing the metabolic profiles of elite-level athletes from different sporting disciplines. *Sports Medicine - Open*, **2018**, 4, 2	6.1	44
180	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
179	Peroxidase based biosensors for the selective determination of D,L-lactic acid and L-malic acid in wines. *Microchemical Journal*, **2007**, 87, 81-86	4.8	42
178	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
177	Detrimental effects of anabolic steroids on human endothelial cells. *Toxicology Letters*, **2007**, 169, 129-36	4.4	38
176	Ecdysteroids as non-conventional anabolic agent: performance enhancement by ecdysterone supplementation in humans. *Archives of Toxicology*, **2019**, 93, 1807-1816	5.8	37
175	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
174	Rapid screening of drugs of abuse and their metabolites by gas chromatography/mass spectrometry: application to urinalysis. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 1529-35	2.2	37
173	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
172	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
171	Plant tissue electrode for the determination of atrazine. *Analytica Chimica Acta*, **1995**, 316, 79-82	6.6	35
170	Application of fast gas chromatography/mass spectrometry for the rapid screening of synthetic anabolic steroids and other drugs in anti-doping analysis. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 4117-24	2.2	34
169	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, 171-80	1.1	32
168	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
167	Analysis of organophosphorus pesticides by gas chromatography–mass spectrometry with negative chemical ionization: a study on the ionization conditions. *Analytica Chimica Acta*, **2002**, 461, 97-108	6.6	30
166	Non-targeted LC-MS based metabolomics analysis of the urinary steroidal profile. *Analytica Chimica Acta*, **2017**, 964, 112-122	6.6	29
165	Screening and confirmation analysis of anabolic agents in human urine by gas chromatography – hybrid mass spectrometry (high resolution – time of flight). *Analytica Chimica Acta*, **2001**, 447, 75-88	6.6	29
164	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

163	Effect of anti-carbonic anhydrase antibodies on carbonic anhydrases I and II. *Clinical Chemistry*, **2003**, 49, 1221-3	5.5	28
162	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
161	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
160	Detection of sibutramine administration: a gas chromatography/mass spectrometry study of the main urinary metabolites. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 79-88	2.2	27
159	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
158	A rapid method for the extraction, enantiomeric separation and quantification of amphetamines in hair. *Forensic Science International*, **2009**, 193, 95-100	2.6	25
157	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, 217-22	2.9	25
156	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, 509-13	3.6	25
155	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
154	Characterization of Argentine honeys on the basis of their mineral content and some typical quality parameters. *Chemistry Central Journal*, **2014**, 8, 44		23
153	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
152	New and old challenges of sports drug testing. *Journal of Mass Spectrometry*, **2008**, 43, 903-7	2.2	23
151	Cholinesterase based bioreactor for determination of pesticides. *Sensors and Actuators B: Chemical*, **1994**, 19, 689-693	8.5	23
150	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
149	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
148	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, 1900-6	2.2	20
147	Combined chemical and biotechnological production of 20□DH-NorDHCMT, a long-term metabolite of Oral-Turinabol (DHCMT). *Journal of Inorganic Biochemistry*, **2018**, 183, 165-171	4.2	18
146	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

145	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
144	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
143	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
142	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
141	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
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	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
138	Targeting the administration of ecdysterone in doping control samples. *Forensic Toxicology*, **2020**, 38, 172-184	2.6	16
137	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
136	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
135	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
134	Enhancement drugs and the athlete. *Neurologic Clinics*, **2008**, 26, 149-67; ix	4.5	15
133	Effect of the systemic versus inhalatory administration of synthetic glucocorticoids on the urinary steroid profile as studied by gas chromatography–mass spectrometry. *Analytica Chimica Acta*, **2006**, 559, 30-36	6.6	15
132	Peroxidase based amperometric biosensors for the determination of γ-aminobutyric acid. *Analytica Chimica Acta*, **1996**, 328, 41-46	6.6	15
131	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	8.5	15
130	Determination of carbonic anhydrase activity by a pCO2 sensor. *Analytical Biochemistry*, **1990**, 185, 254-64	3.1	15
129	Metabolism of methylstenbolone studied with human liver microsomes and the uPA+/+-SCID chimeric mouse model. *Biomedical Chromatography*, **2014**, 28, 974-85	1.7	14
128	Affinity-based biosensors in sport medicine and doping control analysis. *Bioanalysis*, **2014**, 6, 225-45	2.1	14

127	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
126	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
125	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
124	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
123	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
122	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
121	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
120	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
119	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
118	Determination of glutamic acid decarboxylase activity and inhibition by an H2O2-sensing glutamic acid oxidase biosensor. *Analytical Biochemistry*, **1992**, 201, 227-32	3.1	13
117	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	8.5	13
116	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
115	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
114	Detection of formestane abuse by mass spectrometric techniques. *Drug Testing and Analysis*, **2014**, 6, 1133-40	3.5	12
113	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
112	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
111	The content of heavy metals in food packaging paper: an atomic absorption spectroscopy investigation. *Food Control*, **1997**, 8, 131-136	6.2	12
110	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, 679-86	3.5	12

109	Carbonic anhydrase and urease: an investigation in vitro on the possibility of a synergic action. *BBA - Proteins and Proteomics*, **1989**, 997, 111-4		12
108	Drug Use on Mont Blanc: A Study Using Automated Urine Collection. *PLoS ONE*, **2016**, 11, e0156786	3.7	12
107	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
106	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
105	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
104	Urinary excretion profile of prednisone and prednisolone after different administration routes. *Drug Testing and Analysis*, **2019**, 11, 1601-1614	3.5	10
103	Partially disposable biosensors for the quick assessment of damage in foodstuff after thermal treatment. *Microchemical Journal*, **2009**, 91, 209-213	4.8	10
102	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
101	Potentiometric determination of carbonic anhydrase activity in rabbit carotid bodies: comparison among normoxic, hyperoxic and hypoxic animals. *Neuroscience Letters*, **1994**, 166, 126-30	3.3	10
100	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
99	Metabolic profiling of elite athletes with different cardiovascular demand. *Scandinavian Journal of Medicine and Science in Sports*, **2019**, 29, 933-943	4.6	9
98	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
97	Laboratory medicine and sports: between Scylla and Charybdis. *Clinical Chemistry and Laboratory Medicine*, **2012**, 50, 1309-16	5.9	9
96	Phthalates and Bisphenol A: Presence in Blood Serum and Follicular Fluid of Italian Women Undergoing Assisted Reproduction Techniques. *Toxics*, **2020**, 8,	4.7	9
95	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
94	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
93	Inhibition-based biosensors for the detection of environmental contaminants: Determination of 2, 4-dichlorophenoxyacetic acid. *Environmental Toxicology and Chemistry*, **2000**, 19, 2876-2881	3.8	8
92	Longitudinal evaluation of the isotope ratio mass spectrometric data: towards the Rsotopic moduleRof the athlete biological passport?. *Drug Testing and Analysis*, **2016**, 8, 1212-1221	3.5	8

91	Metabolic GWAS of elite athletes reveals novel genetically-influenced metabolites associated with athletic performance. *Scientific Reports*, **2019**, 9, 19889	4.9	8
90	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
89	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
88	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
87	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
86	Acute effects of physical exercise and phosphodiesterase® type 5 inhibition on serum 11β-hydroxysteroid dehydrogenases related glucocorticoids metabolites: a pilot study. *Endocrine*, **2014**, 47, 952-8	4	7
85	Doping control container for urine stabilization: a pilot study. *Drug Testing and Analysis*, **2017**, 9, 699-712	3.5	7
84	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
83	Enhancement drugs and the athlete. *Physical Medicine and Rehabilitation Clinics of North America*, **2009**, 20, 133-48, ix	2.3	7
82	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
81	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
80	Fast IRMS screening of pseudoendogenous steroids in doping analyses. *Drug Testing and Analysis*, **2017**, 9, 1804-1812	3.5	6
79	Influence of Pain Killers on the Urinary Anabolic Steroid Profile. *Journal of Analytical Toxicology*, **2020**, 44, 871-879	2.9	6
78	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
77	Detection and quantitation of ecdysterone in human serum by liquid chromatography coupled to tandem mass spectrometry. *Steroids*, **2020**, 157, 108603	2.8	6
76	Synthetic isoflavones and doping: A novel class of aromatase inhibitors?. *Drug Testing and Analysis*, **2019**, 11, 208-214	3.5	6
75	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
74	. *Environmental Toxicology and Chemistry*, **2000**, 19, 2876	3.8	6

73	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
72	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
71	New Insights into the Metabolism of Methyltestosterone and Metandienone: Detection of Novel A-Ring Reduced Metabolites. *Molecules*, **2021**, 26,	4.8	6
70	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
69	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
68	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
67	Enhanced UHPLC-MS/MS screening of selective androgen receptor modulators following urine hydrolysis. *MethodsX*, **2020**, 7, 100926	1.9	5
66	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
65	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
64	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
63	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
62	Age and Sport Intensity-Dependent Changes in Cytokines and Telomere Length in Elite Athletes. *Antioxidants*, **2021**, 10,	7.1	5
61	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
60	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
59	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
58	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	2.3	4
57	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
56	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

55	Humanized animal models to study drug metabolism: no longer a "chimera"?. *Clinical Chemistry*, **2009**, 55, 1763-4	5.5	4
54	Interactions between carbonic anhydrase and some decarboxylating enzymes as studied by a new bioelectrochemical approach. *Bioelectrochemistry*, **1999**, 48, 463-7		4
53	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
52	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
51	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
50	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
49	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
48	Metabolism of formestane in humans: Identification of urinary biomarkers for antidoping analysis. *Steroids*, **2019**, 146, 34-42	2.8	3
47	Detection of clostebol in sports: Accidental doping?. *Drug Testing and Analysis*, **2020**, 12, 1561-1569	3.5	3
46	Carbon isotopic characterization of prednisolone and prednisone pharmaceutical formulations: Implications in antidoping analysis. *Drug Testing and Analysis*, **2020**, 12, 1587-1598	3.5	3
45	Metabolism of boldione in humans by mass spectrometric techniques: detection of pseudoendogenous metabolites. *Drug Testing and Analysis*, **2013**, 5, 834-42	3.5	3
44	The role of measurement uncertainty in doping analysis. *International Journal of Risk Assessment and Management*, **2005**, 5, 374	0.9	3
43	Carbonic anhydrase, CO2 transport and GABA homeostasis: An in-vitro model. *Bioelectrochemistry*, **1992**, 27, 487-494		3
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List of Publications

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