

# Thomas Piper

## List of Publications by Year in descending order

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64  
papers

1,416  
citations

279798

23  
h-index

377865

34  
g-index

64  
all docs

64  
docs citations

64  
times ranked

781  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigations in carbon isotope ratios of seized testosterone and boldenone preparations. Drug Testing and Analysis, 2022, 14, 514-518.	2.6	6
2	Urinary phenylethylamine metabolites as potential markers for sports drug testing purposes. Biomedical Chromatography, 2022, 36, e5274.	1.7	4
3	Investigations on the <i>in vivo</i> metabolism of 5 $\alpha$ -androstane-17-one. Rapid Communications in Mass Spectrometry, 2022, 36, .	1.5	2
4	An <i>in vitro</i> assay approach to investigate the potential impact of different doping agents on the steroid profile. Drug Testing and Analysis, 2021, 13, 916-928.	2.6	8
5	Current Insights into the Steroidal Module of the Athlete Biological Passport. International Journal of Sports Medicine, 2021, 42, 863-878.	1.7	14
6	Carbon isotope ratios of endogenous steroids found in human serum—method development, validation, and reference population-derived thresholds. Analytical and Bioanalytical Chemistry, 2021, 413, 5655-5667.	3.7	9
7	Recent advances in identifying and utilizing metabolites of selected doping agents in human sports drug testing. Journal of Pharmaceutical and Biomedical Analysis, 2021, 205, 114312.	2.8	15
8	Sensitive detection of testosterone and testosterone prohormone administrations based on urinary concentrations and carbon isotope ratios of androsterone and etiocholanolone. Drug Testing and Analysis, 2021, 13, 1835-1851.	2.6	4
9	Androgens, sports, and detection strategies for anabolic drug use. Best Practice and Research in Clinical Endocrinology and Metabolism, 2021, , 101609.	4.7	6
10	Identification of Trenbolone Metabolites Using Hydrogen Isotope Ratio Mass Spectrometry and Liquid Chromatography/High Accuracy/High Resolution Mass Spectrometry for Doping Control Analysis. Frontiers in Chemistry, 2020, 8, 435.	3.6	11
11	Detecting the misuse of 7 $\alpha$ -DHEA by means of carbon isotope ratio mass spectrometry in doping control analysis. Rapid Communications in Mass Spectrometry, 2020, 34, e8776.	1.5	8
12	Implementation and Performance of the Gas Chromatography/Combustion/Isotope Ratio Mass Spectrometry-Based Method for the Confirmatory Analysis of Endogenous Anabolic Steroids during the Rio de Janeiro Olympic and Paralympic Games 2016. Analytical Chemistry, 2019, 91, 11747-11756.	6.5	6
13	Safety, hemodynamic effects, and detection of acute xenon inhalation: rationale for banning xenon from sport. Journal of Applied Physiology, 2019, 127, 1511-1518.	2.5	7
14	Effect of acute and chronic xenon inhalation on erythropoietin, hematological parameters, and athletic performance. Journal of Applied Physiology, 2019, 127, 1503-1510.	2.5	9
15	Analysis of endogenous steroids in urine by means of multi-immunoaffinity chromatography and isotope ratio mass spectrometry for sports drug testing. Analytical and Bioanalytical Chemistry, 2019, 411, 7563-7571.	3.7	4
16	Studies on the <i>in vivo</i> metabolism of methylstenbolone and detection of novel long term metabolites for doping control analysis. Drug Testing and Analysis, 2019, 11, 1644-1655.	2.6	16
17	Studies on their <i>in vivo</i> metabolism of the SARM YK11: Identification and characterization of metabolites potentially useful for doping controls. Drug Testing and Analysis, 2018, 10, 1646-1656.	2.6	17
18	Case Study: Atypical $\delta^{13}C$ values of urinary norandrosterone. Drug Testing and Analysis, 2018, 10, 1728-1733.	2.6	9

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19	Development and validation of a multidimensional gas chromatography/combustion/isotope ratio mass spectrometry-based test method for analyzing urinary steroids in doping controls. <i>Analytica Chimica Acta</i> , 2018, 1030, 105-114.	5.4	17
20	Xenon elimination kinetics following brief exposure. <i>Drug Testing and Analysis</i> , 2017, 9, 666-670.	2.6	9
21	GHB-O- $\beta$ -glucuronide in blood and urine is not a suitable tool for the extension of the detection window after GHB intake. <i>Forensic Toxicology</i> , 2017, 35, 263-274.	2.4	18
22	Mass spectrometric characterization of the selective androgen receptor modulator (SARM) YK-11 for doping control purposes. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1175-1183.	1.5	19
23	Screening for adiponectin receptor agonists and their metabolites in urine and dried blood spots. <i>Clinical Mass Spectrometry</i> , 2017, 6, 13-20.	1.9	7
24	Epiandrosterone sulfate prolongs the detectability of testosterone, 4 $\alpha$ -androstenedione, and dihydrotestosterone misuse by means of carbon isotope ratio mass spectrometry. <i>Drug Testing and Analysis</i> , 2017, 9, 1695-1703.	2.6	41
25	Carbon isotope ratios of endogenous steroids in Belgian Blue and Holstein cattle: Method development, reference population studies and application to steroid misuse control. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1793-1802.	1.5	2
26	Potential of GHB phase-II-metabolites to complement current approaches in GHB post administration detection. <i>Forensic Science International</i> , 2017, 279, 157-164.	2.2	23
27	Development and validation of a HPLC-QTOF-MS method for the determination of GHB- $\beta$ -O-glucuronide and GHB-4-sulfate in plasma and urine. <i>Forensic Toxicology</i> , 2017, 35, 77-85.	2.4	9
28	Applications of Isotope Ratio Mass Spectrometry in Sports Drug Testing Accounting for Isotope Fractionation in Analysis of Biological Samples. <i>Methods in Enzymology</i> , 2017, 596, 403-432.	1.0	18
29	Genotype-dependent metabolism of exogenous testosterone – new biomarkers result in prolonged detectability. <i>Drug Testing and Analysis</i> , 2016, 8, 1163-1173.	2.6	33
30	Analytics of nonpeptidic erythropoietin mimetic agents in sports drug testing employing high-resolution/high-accuracy liquid chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6431-6442.	3.7	2
31	Optimization of an online heart-cutting multidimensional gas chromatography clean-up step for isotopic ratio mass spectrometry and simultaneous quadrupole mass spectrometry measurements of endogenous anabolic steroid in urine. <i>Drug Testing and Analysis</i> , 2016, 8, 1204-1211.	2.6	22
32	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.	2.8	39
33	Revisiting the metabolism of 19-nortestosterone using isotope ratio and high resolution/high accuracy mass spectrometry. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 162, 80-91.	2.5	20
34	Monitoring 2-phenylethylamine and 2-(3-hydroxyphenyl)acetamide sulfate in doping controls. <i>Drug Testing and Analysis</i> , 2015, 7, 1057-1062.	2.6	9
35	Urine analysis concerning xenon for doping control purposes. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 61-66.	1.5	15
36	Determination of $^{13}\text{C}/^{12}\text{C}$ ratios of endogenous urinary 5 $\alpha$ -aminoimidazole-4 $\alpha$ -carboxamide ribofuranoside (AICAR). <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1194-1202.	1.5	22

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37	Measuring xenon in human plasma and blood by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1501-1506.	1.5	25
38	Quantifying cobalt in doping control urine samples – a pilot study. <i>Drug Testing and Analysis</i> , 2014, 6, 1186-1190.	2.6	26
39	Carbon Isotope Ratio Analysis of Steroids by High-Temperature Liquid Chromatography-Isotope Ratio Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 2297-2302.	6.5	14
40	Identification of black market products and potential doping agents in Germany 2010–2013. <i>European Journal of Clinical Pharmacology</i> , 2014, 70, 1303-1311.	1.9	84
41	Liquid Chromatography-High Resolution/High Accuracy (Tandem) Mass Spectrometry-Based Identification of <i>in vivo</i> Generated Metabolites of the Selective Androgen Receptor Modulator ACP-105 for Doping Control Purposes. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 73-83.	1.0	16
42	Quantification of AICAR-ribotide concentrations in red blood cells by means of LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9703-9709.	3.7	19
43	Hydrogen isotope ratio mass spectrometry and high-resolution/high-accuracy mass spectrometry in metabolite identification studies: Detecting target compounds for sports drug testing. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1904-1912.	1.5	25
44	Combination of carbon isotope ratio with hydrogen isotope ratio determinations in sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5455-5466.	3.7	36
45	Effect of changes in the deuterium content of drinking water on the hydrogen isotope ratio of urinary steroids in the context of sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2911-2921.	3.7	2
46	Expanding sports drug testing assays: Mass spectrometric characterization of the selective androgen receptor modulator drug candidates RAD140 and ACP-105. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1173-1182.	1.5	20
47	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.	2.6	32
48	Influences of $^{12}\text{C}$ -HCG administration on carbon isotope ratios of endogenous urinary steroids. <i>Steroids</i> , 2012, 77, 644-654.	1.8	6
49	Investigations on carbon isotope ratios and concentrations of urinary formestane. <i>Drug Testing and Analysis</i> , 2012, 4, 942-950.	2.6	22
50	Investigations on changes in $^{13}\text{C}/^{12}\text{C}$ ratios of endogenous urinary steroids after pregnenolone administration. <i>Drug Testing and Analysis</i> , 2011, 3, 283-290.	2.6	13
51	Recent developments in the use of isotope ratio mass spectrometry in sports drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 433-447.	3.7	66
52	Determination of $^{13}\text{C}/^{12}\text{C}$ ratios of urinary excreted boldenone and its main metabolite 5 $\alpha$ -androstane-17 $\beta$ -ol-3-one. <i>Drug Testing and Analysis</i> , 2010, 2, 217-224.	2.6	29
53	Degradation of urine samples and its influence on the $^{13}\text{C}/^{12}\text{C}$ ratios of excreted steroids. <i>Drug Testing and Analysis</i> , 2010, 2, 620-629.	2.6	23
54	Reporting and managing elevated testosterone/epitestosterone ratios—Novel aspects after five years' experience. <i>Drug Testing and Analysis</i> , 2010, 2, 637-642.	2.6	26

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55	Determination of <sup>13</sup> C/ <sup>12</sup> C ratios of endogenous urinary steroids excreted as sulpho conjugates. Rapid Communications in Mass Spectrometry, 2010, 24, 3171-3181.	1.5	46
56	Metabolism of androsta <sup>1,4,6</sup> triene <sup>3,17</sup> dione and detection by gas chromatography/mass spectrometry in doping control. Rapid Communications in Mass Spectrometry, 2009, 23, 207-218.	1.5	29
57	Determination of the deuterium/hydrogen ratio of endogenous urinary steroids for doping control purposes. Rapid Communications in Mass Spectrometry, 2009, 23, 1917-1926.	1.5	31
58	<sup>13</sup> C/ <sup>12</sup> C Ratios of endogenous urinary steroids investigated for doping control purposes. Drug Testing and Analysis, 2009, 1, 65-72.	2.6	36
59	Determination of <sup>13</sup> C/ <sup>12</sup> C ratios of urinary epitestosterone and its main metabolites 5 <sup>1</sup> and 5 <sup>2</sup> androstane <sup>3</sup> , 17 <sup>1</sup> diol. Drug Testing and Analysis, 2009, 1, 576-586.	2.6	32
60	6 <sup>1</sup> Methylandrostedione: gas chromatographic mass spectrometric detection in doping control. Rapid Communications in Mass Spectrometry, 2008, 22, 321-329.	1.5	20
61	Determination of <sup>13</sup> C/ <sup>12</sup> C ratios of endogenous urinary steroids: method validation, reference population and application to doping control purposes. Rapid Communications in Mass Spectrometry, 2008, 22, 2161-2175.	1.5	151
62	Detection of Dehydroepiandrosterone Misuse by Means of Gas Chromatography-Combustion-Isotope Ratio Mass Spectrometry. European Journal of Mass Spectrometry, 2007, 13, 419-426.	1.0	27
63	Improved Performance and Maintenance in Gas Chromatography/Isotope Ratio Mass Spectrometry by Precolumn Solvent Removal. Analytical Chemistry, 2007, 79, 4162-4168.	6.5	27
64	Determination of the origin of urinary norandrosterone traces by gas chromatography combustion isotope ratio mass spectrometry. Analyst, The, 2006, 131, 1021-1026.	3.5	53