

Hans H Maurer

List of Publications by Year in descending order

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322
papers

14,050
citations

17440

63
h-index

40979

93
g-index

343
all docs

343
docs citations

343
times ranked

7304
citing authors

#	ARTICLE	IF	CITATIONS
1	Beta-keto amphetamines: studies on the metabolism of the designer drug mephedrone and toxicological detection of mephedrone, butylone, and methylene in urine using gas chromatography–mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1225-1233.	3.7	246
2	Current role of liquid chromatography–mass spectrometry in clinical and forensic toxicology. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1315-1325.	3.7	242
3	Systematic toxicological analysis of drugs and their metabolites by gas chromatography–mass spectrometry. <i>Biomedical Applications</i> , 1992, 580, 3-41.	1.7	210
4	Liquid chromatography–mass spectrometry in forensic and clinical toxicology. <i>Biomedical Applications</i> , 1998, 713, 3-25.	1.7	207
5	Toxicokinetics of Amphetamines: Metabolism and Toxicokinetic Data of Designer Drugs, Amphetamine, Methamphetamine, and Their N-Alkyl Derivatives. <i>Therapeutic Drug Monitoring</i> , 2002, 24, 277-289.	2.0	199
6	Bioanalytical method validation and its implications for forensic and clinical toxicology - A review. <i>Accreditation and Quality Assurance</i> , 2002, 7, 441-449.	0.8	198
7	Multi-analyte procedures for screening for and quantification of drugs in blood, plasma, or serum by liquid chromatography-single stage or tandem mass spectrometry (LC-MS or LC-MS/MS) relevant to clinical and forensic toxicology. <i>Clinical Biochemistry</i> , 2005, 38, 310-318.	1.9	173
8	Studies on the metabolism of the 1- α -pyrrolidinophenone designer drug methylenedioxy-pyrovalerone (MDPV) in rat and human urine and human liver microsomes using GC–MS and LC–high-resolution MS and its detectability in urine by GC–MS. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1426-1442.	1.6	168
9	Determination of amphetamine, methamphetamine and amphetamine-derived designer drugs or medicaments in blood and urine. <i>Biomedical Applications</i> , 1998, 713, 163-187.	1.7	162
10	Toxicokinetics and analytical toxicology of amphetamine-derived designer drugs (–Ecstasy–™). <i>Toxicology Letters</i> , 2000, 112-113, 133-142.	0.8	162
11	Screening for and validated quantification of amphetamines and of amphetamine- and piperazine-derived designer drugs in human blood plasma by gas chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003, 38, 659-676.	1.6	162
12	Position of chromatographic techniques in screening for detection of drugs or poisons in clinical and forensic toxicology and/or doping control. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004, 42, 1310-24.	2.3	153
13	Screening, library-assisted identification and validated quantification of 23 benzodiazepines, flumazenil, zaleplone, zolpidem and zopiclone in plasma by liquid chromatography/mass spectrometry with atmospheric pressure chemical ionization. <i>Journal of Mass Spectrometry</i> , 2004, 39, 856-872.	1.6	139
14	Advances in analytical toxicology: the current role of liquid chromatography–mass spectrometry in drug quantification in blood and oral fluid. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 110-118.	3.7	134
15	Toxicokinetics of Drugs of Abuse: Current Knowledge of the Isoenzymes Involved in the Human Metabolism of Tetrahydrocannabinol, Cocaine, Heroin, Morphine, and Codeine. <i>Therapeutic Drug Monitoring</i> , 2006, 28, 447-453.	2.0	132
16	Drugs of abuse screening in urine as part of a metabolite-based LC-MS ⁿ screening concept. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3481-3489.	3.7	132
17	Chemistry, Pharmacology, Toxicology, and Hepatic Metabolism of Designer Drugs of the Amphetamine (Ecstasy), Piperazine, and Pyrrolidinophenone Types. <i>Therapeutic Drug Monitoring</i> , 2004, 26, 127-131.	2.0	130
18	Ion suppression and enhancement effects of co-eluting analytes in multi-analyte approaches: systematic investigation using ultra-high-performance liquid chromatography/mass spectrometry with atmospheric-pressure chemical ionization or electrospray ionizat. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3103-3108.	1.5	127

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19	Screening, library-assisted identification and validated quantification of fifteen neuroleptics and three of their metabolites in plasma by liquid chromatography/mass spectrometry with atmospheric pressure chemical ionization. <i>Journal of Mass Spectrometry</i> , 2003, 38, 283-295.	1.6	125
20	Environmental risk assessment of medicinal products for human use according to European Commission recommendations. <i>Environmental Toxicology</i> , 2004, 19, 226-240.	4.0	120
21	Automated Mass Spectral Deconvolution and Identification System for GC-MS Screening for Drugs, Poisons, and Metabolites in Urine. <i>Clinical Chemistry</i> , 2010, 56, 575-584.	3.2	120
22	Intrahepatic Cholestasis Following Abuse of Powdered Kratom (<i>Mitragyna speciosa</i>). <i>Journal of Medical Toxicology</i> , 2011, 7, 227-231.	1.5	116
23	Orbitrap technology for comprehensive metabolite-based liquid chromatographic "high resolution-tandem mass spectrometric urine drug screening" exemplified for cardiovascular drugs. <i>Analitica Chimica Acta</i> , 2015, 891, 221-233.	5.4	116
24	Development of the first metabolite-based LC-MS n urine drug screening procedure-exemplified for antidepressants. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 79-88.	3.7	112
25	Metabolism of Designer Drugs of Abuse. <i>Current Drug Metabolism</i> , 2005, 6, 259-274.	1.2	107
26	On the Metabolism and the Toxicological Analysis of Methylenedioxyphenylalkylamine Designer Drugs by Gas Chromatography-Mass Spectrometry. <i>Therapeutic Drug Monitoring</i> , 1996, 18, 465-470.	2.0	104
27	Hyphenated mass spectrometric techniques "indispensable tools in clinical and forensic toxicology and in doping control. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1399-1413.	1.6	103
28	Systematic investigation of ion suppression and enhancement effects of fourteen stable isotope-labeled internal standards by their native analogues using atmospheric pressure chemical ionization and electrospray ionization and the relevance for multi-analyte liquid chromatographic/mass spectrometric procedures. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 859-867.	1.5	103
29	Metabolism of Designer Drugs of Abuse: An Updated Review. <i>Current Drug Metabolism</i> , 2010, 11, 468-482.	1.2	100
30	Refined protocols of tamoxifen injection for inducible DNA recombination in mouse astroglia. <i>Scientific Reports</i> , 2018, 8, 5913.	3.3	98
31	Systematic toxicological analysis procedures for acidic drugs and/or metabolites relevant to clinical and forensic toxicology and/or doping control. <i>Biomedical Applications</i> , 1999, 733, 3-25.	1.7	95
32	Studies on the metabolism of mitragynine, the main alkaloid of the herbal drug Kratom, in rat and human urine using liquid chromatography-linear ion trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1249-1261.	1.6	95
33	Studies on the metabolism and toxicological detection of the new designer drug N-benzylpiperazine in urine using gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 773, 35-46.	2.3	93
34	Toxicological detection of selegiline and its metabolites in urine using fluorescence polarization immunoassay (FPIA) and gas chromatography-mass spectrometry (GC-MS) and differentiation by enantioselective GC-MS of the intake of selegiline from abuse of methamphetamine or amphetamine. <i>Archives of Toxicology</i> , 1992, 66, 675-678.	4.2	91
35	Screening, library-assisted identification and validated quantification of oral antidiabetics of the sulfonylurea-type in plasma by atmospheric pressure chemical ionization liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 773, 63-73.	2.3	91
36	Abuse of Nutmeg (<i>Myristica fragrans</i> Houtt.): Studies on the Metabolism and the Toxicologic Detection of its Ingredients Elemicin, Myristicin, and Safrole in Rat and Human Urine Using Gas Chromatography/Mass Spectrometry. <i>Therapeutic Drug Monitoring</i> , 2006, 28, 568-575.	2.0	90

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37	Detection and validated quantification of toxic alkaloids in human blood plasma—comparison of LC-APCI-MS with LC-ESI-MS/MS. <i>Journal of Mass Spectrometry</i> , 2007, 42, 621-633.	1.6	89
38	Analysis of toxic alkaloids in body samples. <i>Forensic Science International</i> , 2009, 185, 1-9.	2.2	89
39	What is the future of (ultra) high performance liquid chromatography coupled to low and high resolution mass spectrometry for toxicological drug screening?. <i>Journal of Chromatography A</i> , 2013, 1292, 19-24.	3.7	89
40	Identification and differentiation of benzodiazepines and their metabolites in urine by computerized gas chromatography—mass spectrometry. <i>Biomedical Applications</i> , 1987, 422, 85-101.	1.7	88
41	The Role of Human Hepatic Cytochrome P450 Isozymes in the Metabolism of Racemic 3,4-Methylenedioxy-Methamphetamine and Its Enantiomers. <i>Drug Metabolism and Disposition</i> , 2008, 36, 2345-2354.	3.3	88
42	Absorption, distribution, metabolism and excretion pharmacogenomics of drugs of abuse. <i>Pharmacogenomics</i> , 2011, 12, 215-233.	1.3	88
43	High-resolution mass spectrometry in toxicology: current status and future perspectives. <i>Archives of Toxicology</i> , 2016, 90, 2161-2172.	4.2	86
44	Validated electrospray liquid chromatographic—mass spectrometric assay for the determination of the mushroom toxins Î±- and Î²-amanitin in urine after immunoaffinity extraction. <i>Biomedical Applications</i> , 2000, 748, 125-135.	1.7	84
45	New cathinone—derived designer drugs 3-bromomethcathinone and 3-fluoromethcathinone: studies on their metabolism in rat urine and human liver microsomes using GC-MS and LC—high-resolution MS and their detectability in urine. <i>Journal of Mass Spectrometry</i> , 2012, 47, 253-262.	1.6	84
46	New designer drug Î±-pyrrolidinovalerophenone (PVP): studies on its metabolism and toxicological detection in rat urine using gas chromatographic/mass spectrometric techniques. <i>Journal of Mass Spectrometry</i> , 2009, 44, 952-964.	1.6	83
47	Review: LC coupled to low- and high-resolution mass spectrometry for new psychoactive substance screening in biological matrices — Where do we stand today?. <i>Analytica Chimica Acta</i> , 2016, 927, 13-20.	5.4	83
48	Perspectives of Liquid Chromatography Coupled to Low- and High-Resolution Mass Spectrometry for Screening, Identification, and Quantification of Drugs in Clinical and Forensic Toxicology. <i>Therapeutic Drug Monitoring</i> , 2010, 32, 324-327.	2.0	80
49	Current applications of high-resolution mass spectrometry in drug metabolism studies. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1221-1231.	3.7	79
50	Metabolism of the new designer drug Î±-pyrrolidinopropiophenone (PPP) and the toxicological detection of PPP and 4-methyl-Î±-pyrrolidinopropiophenone (MPPP) studied in rat urine using gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 796, 253-266.	2.3	77
51	Detection and validated quantification of nine herbal phenalkylamines and methcathinone in human blood plasma by LC-MS/MS with electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2007, 42, 150-160.	1.6	77
52	Screening Procedure for Detection of Non-Steroidal Anti-inflammatory Drugs and their Metabolites in Urine as Part of a Systematic Toxicological Analysis Procedure for Acidic Drugs and Poisons by Gas Chromatography- Mass Spectrometry after Extractive Methylation*. <i>Journal of Analytical Toxicology</i> , 2001, 25, 237-244.	2.8	76
53	Screening for Detection of New Antidepressants, Neuroleptics, Hypnotics, and Their Metabolites in Urine by GC-MS Developed Using Rat Liver Microsomes. <i>Therapeutic Drug Monitoring</i> , 2001, 23, 61-70.	2.0	76
54	Blood pressure reductions following catheter-based renal denervation are not related to improvements in adherence to antihypertensive drugs measured by urine/plasma toxicological analysis. <i>Clinical Research in Cardiology</i> , 2015, 104, 1097-1105.	3.3	76

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55	Screening Procedures for Simultaneous Detection of Several Drug Classes Used for High Throughput Toxicological Analyses and Doping Control. A Review. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2000, 3, 467-480.	1.1	73
56	Drug Testing in Blood: Validated Negative-Ion Chemical Ionization Gas Chromatographic-Mass Spectrometric Assay for Determination of Amphetamine and Methamphetamine Enantiomers and Its Application to Toxicology Cases. <i>Clinical Chemistry</i> , 2002, 48, 1472-1485.	3.2	72
57	Toxicological detection of the designer drug 3,4-methylenedioxyethylamphetamine (MDE, "Eve") and its metabolites in urine by gas chromatography-mass spectrometry and fluorescence polarization immunoassay. <i>Biomedical Applications</i> , 1996, 683, 189-197.	1.7	70
58	New designer drug, 2,5-dimethoxy-4-propylthio- α -phenethylamine (2C-T-7): studies on its metabolism and toxicological detection in rat urine using gas chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 105-116.	1.6	70
59	Screening Procedure for Detection of Antidepressants of the Selective Serotonin Reuptake Inhibitor Type and their Metabolites in Urine as Part of a Modified Systematic Toxicological Analysis Procedure using Gas Chromatography-Mass Spectrometry*. <i>Journal of Analytical Toxicology</i> , 2000, 24, 340-347.	2.8	69
60	Fast and simple procedure for liquid-liquid extraction of 136 analytes from different drug classes for development of a liquid chromatographic-tandem mass spectrometric quantification method in human blood plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2303-2314.	3.7	67
61	2-Methiopropamine, a thiophene analogue of methamphetamine: studies on its metabolism and detectability in the rat and human using GC-MS and LC-(HR)-MS techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3125-3135.	3.7	67
62	Chemistry, Pharmacology, and Metabolism of Emerging Drugs of Abuse. <i>Therapeutic Drug Monitoring</i> , 2010, 32, 544-549.	2.0	66
63	Studies on the metabolism and toxicological detection of the new psychoactive designer drug 2-(4-iodo-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine (25I-NBOMe) in human and rat urine using GC-MS, LC-MSn, and LC-HR-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6697-6719.	3.7	66
64	The NTCP-inhibitor Myrcludex B: Effects on Bile Acid Disposition and Tenofovir Pharmacokinetics. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 103, 341-348.	4.7	66
65	New designer drug 1-(3-trifluoromethylphenyl) piperazine (TFMPP): gas chromatography/mass spectrometry and liquid chromatography/mass spectrometry studies on its phase I and II metabolism and on its toxicological detection in rat urine. <i>Journal of Mass Spectrometry</i> , 2003, 38, 971-981.	1.6	65
66	Concentrations and Ratios of Amphetamine, Methamphetamine, MDA, MDMA, and MDEA Enantiomers Determined in Plasma Samples from Clinical Toxicology and Driving Under the Influence of Drugs Cases by GC-NICI-MS*. <i>Journal of Analytical Toxicology</i> , 2003, 27, 552-559.	2.8	65
67	The in Vivo TRPV6 Protein Starts at a Non-AUG Triplet, Decoded as Methionine, Upstream of Canonical Initiation at AUG. <i>Journal of Biological Chemistry</i> , 2013, 288, 16629-16644.	3.4	63
68	Convenient Gram-Scale Metabolite Synthesis by Engineered Fission Yeast Strains Expressing Functional Human P450 Systems. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 965-980.	2.9	62
69	Gas chromatography-mass spectrometry (GC-MS) and liquid chromatography-mass spectrometry (LC-MS) in toxicological analysis Studies on the detection of clobenzorex and its metabolites within a systematic toxicological analysis procedure by GC-MS and by immunoassay and studies on the detection of Δ^9 - and Δ^8 -amanitin in urine by atmospheric pressure ionization electrospray LC-MS. <i>Biomedical Applications</i> , 1997, 683, 81-89.	1.7	61
70	Benzofuran analogues of amphetamine and methamphetamine: studies on the metabolism and toxicological analysis of 5-APB and 5-MAPB in urine and plasma using GC-MS and LC-(HR)-MSn techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1371-1388.	3.7	61
71	Screening for the Detection of Angiotensin-Converting Enzyme Inhibitors, Their Metabolites, and AT II Receptor Antagonists. <i>Therapeutic Drug Monitoring</i> , 1998, 20, 706-713.	2.0	61
72	Role of Gas Chromatography-Mass Spectrometry With Negative Ion Chemical Ionization in Clinical and Forensic Toxicology, Doping Control, and Biomonitoring. <i>Therapeutic Drug Monitoring</i> , 2002, 24, 247-254.	2.0	60

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73	Liquid chromatography-high resolution-tandem mass spectrometry using Orbitrap technology for comprehensive screening to detect drugs and their metabolites in blood plasma. <i>Analytica Chimica Acta</i> , 2017, 965, 83-95.	5.4	60
74	Screening for and validated quantification of phenethylamine-type designer drugs and mescaline in human blood plasma by gas chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 785-795.	1.6	58
75	Chiral drug analysis using mass spectrometric detection relevant to research and practice in clinical and forensic toxicology. <i>Journal of Chromatography A</i> , 2012, 1269, 122-135.	3.7	58
76	New designer drug 4- α -methyl- β -pyrrolidinohexanophenone: studies on its metabolism and toxicological detection in urine using gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 789, 79-91.	2.3	57
77	Metabolism and toxicological detection of the new designer drug 3- α ,4- α -methylenedioxy- β -pyrrolidinopropiophenone studied in urine using gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 793, 377-388.	2.3	57
78	Mass spectrometric approaches in impaired driving toxicology. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 97-107.	3.7	57
79	Metabolism and toxicological detection of the new designer drug 4- α -methoxy- β -pyrrolidinopropiophenone studied in rat urine using gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 793, 331-342.	2.3	56
80	New Psychoactive Substances. <i>Therapeutic Drug Monitoring</i> , 2016, 38, 4-11.	2.0	56
81	Pooled human liver preparations, HepaRG, or HepG2 cell lines for metabolism studies of new psychoactive substances? A study using MDMA, MDBD, butylone, MDPPP, MDPV, MDPB, 5-MAPB, and 5-API as examples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 32-42.	2.8	55
82	Studies on the metabolism and toxicological detection of the new designer drug 4- α -methyl- β -pyrrolidinopropiophenone in urine using gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 773, 25-33.	2.3	54
83	New designer drug 2,5-dimethoxy-4-ethylthio- β -phenethylamine (2C-T-2): studies on its metabolism and toxicological detection in rat urine using gas chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1157-1172.	1.6	54
84	Identification and differentiation of beta-blockers and their metabolites in urine by computerized gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1986, 382, 147-165.	1.7	53
85	A validated GC-MS procedure for fast, simple, and cost-effective quantification of glycols and GHB in human plasma and their identification in urine and plasma developed for emergency toxicology. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 411-414.	3.7	52
86	Ultra high performance liquid chromatographic-tandem mass spectrometric multi-analyte procedure for target screening and quantification in human blood plasma: validation and application for 31 neuroleptics, 28 benzodiazepines, and Z-drugs. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1341-1352.	3.7	52
87	Further Studies on the Role of Metabolites in (α)-3,4-Methylenedioxymethamphetamine-Induced Serotonergic Neurotoxicity. <i>Drug Metabolism and Disposition</i> , 2009, 37, 2079-2086.	3.3	51
88	Paper Spray Ionization Coupled to High Resolution Tandem Mass Spectrometry for Comprehensive Urine Drug Testing in Comparison to Liquid Chromatography-Coupled Techniques after Urine Precipitation or Dried Urine Spot Workup. <i>Analytical Chemistry</i> , 2017, 89, 11779-11786.	6.5	51
89	Screening Procedure for Detection of Dihydropyridine Calcium Channel Blocker Metabolites in Urine as Part of a Systematic Toxicological Analysis Procedure for Acidic Compounds by Gas Chromatography-Mass Spectrometry after Extractive Methylation*. <i>Journal of Analytical Toxicology</i> , 1999, 23, 73-80.	2.8	50
90	New designer drug p-methoxymethamphetamine: studies on its metabolism and toxicological detection in urine using gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 789, 27-41.	2.3	50

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91	Identification of monoamine oxidase and cytochrome P450 isoenzymes involved in the deamination of phenethylamine-derived designer drugs (2C-series). <i>Biochemical Pharmacology</i> , 2007, 73, 287-297.	4.4	50
92	Piperazine-Derived Designer Drug 1-(3-Chlorophenyl)piperazine (mCPP): GC-MS Studies on its Metabolism and its Toxicological Detection in Rat Urine Including Analytical Differentiation from its Precursor Drugs Trazodone and Nefazodone*. <i>Journal of Analytical Toxicology</i> , 2003, 27, 560-568.	2.8	49
93	Studies on the metabolism and toxicological detection of the new designer drug 4- α -methyl- β -pyrrolidinobutyrophenone (MPBP) in rat urine using gas chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 824, 81-91.	2.3	49
94	Drug Testing in Blood: Validated Negative-Ion Chemical Ionization Gas Chromatographic/Mass Spectrometric Assay for Enantioselective Measurement of the Designer Drugs MDEA, MDMA, and MDA and Its Application to Samples from a Controlled Study with MDMA. <i>Clinical Chemistry</i> , 2005, 51, 1811-1822.	3.2	49
95	Human CYP4Z1 catalyzes the in-chain hydroxylation of lauric acid and myristic acid. <i>Biological Chemistry</i> , 2009, 390, 313-317.	2.5	49
96	New psychoactive substances: Studies on the metabolism of XLR-11, AB-PINACA, FUB-PB-22, 4-methoxy- β -PVP, 25-I-NBOMe, and meclonazepam using human liver preparations in comparison to primary human hepatocytes, and human urine. <i>Toxicology Letters</i> , 2017, 280, 142-150.	0.8	49
97	Designer drugs 2,5-dimethoxy-4-bromo-amphetamine (DOB) and 2,5-dimethoxy-4-bromo-methamphetamine (MDOB): studies on their metabolism and toxicological detection in rat urine using gas chromatographic/mass spectrometric techniques. <i>Journal of Mass Spectrometry</i> , 2006, 41, 487-498.	1.6	48
98	New designer drug 4-iodo-2,5-dimethoxy- β -phenethylamine (2C-I): studies on its metabolism and toxicological detection in rat urine using gas chromatographic/mass spectrometric and capillary electrophoretic/mass spectrometric techniques. <i>Journal of Mass Spectrometry</i> , 2006, 41, 872-886.	1.6	48
99	Studies on the metabolism of the β - α -tetrahydrocannabinol precursor β - α -tetrahydrocannabinolic acid A (β - α -THCA-A) in rat using LC-MS/MS, LC-QTOF MS and GC-MS techniques. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1423-1433.		48
100	Monitoring of kratom or Krypton intake in urine using GC-MS in clinical and forensic toxicology. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 127-135.	3.7	47
101	Behavioral and neurochemical characterization of kratom (<i>Mitragyna speciosa</i>) extract. <i>Psychopharmacology</i> , 2014, 231, 13-25.	3.1	47
102	Systematic Comparison of Bias and Precision Data Obtained with Multiple-Point and One-Point Calibration in Six Validated Multianalyte Assays for Quantification of Drugs in Human Plasma. <i>Analytical Chemistry</i> , 2007, 79, 4967-4976.	6.5	46
103	Determination of 1,4- and 1,5-benzodiazepines in urine using a computerized gas chromatographic/mass spectrometric technique. <i>Biomedical Applications</i> , 1981, 222, 409-419.	1.7	45
104	Sympathomimetic toxicity in a case of analytically confirmed recreational use of naphyrone (naphthylpyrovalerone). <i>Clinical Toxicology</i> , 2011, 49, 691-693.	1.9	45
105	Ketamine-derived designer drug methoxetamine: metabolism including isoenzyme kinetics and toxicological detectability using GC-MS and LC-(HR)-MS n. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6307-6321.	3.7	45
106	Detection of 4-hydroxycoumarin anticoagulants and their metabolites in urine as part of a systematic toxicological analysis procedure for acidic drugs and poisons by gas chromatography/mass spectrometry after extractive methylation. <i>Biomedical Applications</i> , 1998, 714, 181-195.	1.7	44
107	New designer drug 1-(3,4-methylenedioxybenzyl) piperazine(MDBP): studies on its metabolism and toxicological detection in rat urine using gas chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 255-261.	1.6	44
108	Use of liquid chromatography coupled to low- and high-resolution linear ion trap mass spectrometry for studying the metabolism of paynantheine, an alkaloid of the herbal drug Kratom in rat and human urine. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2379-2391.	3.7	44

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109	Validated assay for quantification of oxcarbazepine and its active dihydro metabolite 10-hydroxycarbazepine in plasma by atmospheric pressure chemical ionization liquid chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002, 37, 687-692.	1.6	43
110	Studies on the metabolism and toxicological detection of the designer drug 4-methylthioamphetamine (4-MTA) in human urine using gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 824, 123-131.	2.3	43
111	Very Low Ethanol Concentrations Affect the Viability and Growth Recovery in Post-Stationary-Phase <i>Staphylococcus aureus</i> Populations. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2627-2636.	3.1	43
112	Biotechnological synthesis of drug metabolites using human cytochrome P450 2D6 heterologously expressed in fission yeast exemplified for the designer drug metabolite 4- β -hydroxymethyl- β -pyrrolidinobutyrophenone. <i>Biochemical Pharmacology</i> , 2007, 74, 511-520.	4.4	43
113	Direct analysis of the mushroom poisons β - and γ -amanitin in human urine using a novel on-line turbulent flow chromatography mode coupled to liquid chromatography-high resolution-mass spectrometry/mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1325, 92-98.	3.7	43
114	Elucidation of the metabolites of the novel psychoactive substance 4-methyl-N-ethylcathinone (4-MEC) in human urine and pooled liver microsomes by GC-MS and LC-HR-MS/MS techniques and of its detectability by GC-MS or LC-MS ⁿ standard screening approaches. <i>Drug Testing and Analysis</i> , 2015, 7, 368-375.	2.6	43
115	Negative Ion Chemical Ionization Gas Chromatography-Mass Spectrometry and Atmospheric Pressure Chemical Ionization Liquid Chromatography-Mass Spectrometry of Low-Dosed and/or Polar Drugs in Plasma. <i>Therapeutic Drug Monitoring</i> , 2002, 24, 117-124.	2.0	42
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