

Robert S Plumb

List of Publications by Year in descending order

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132
papers

10,488
citations

47409

49
h-index

39744

98
g-index

133
all docs

133
docs citations

133
times ranked

10110
citing authors

#	ARTICLE	IF	CITATIONS
1	Global metabolic profiling procedures for urine using UPLC-MS. Nature Protocols, 2010, 5, 1005-1018.	5.5	867
2	Global metabolic profiling of animal and human tissues via UPLC-MS. Nature Protocols, 2013, 8, 17-32.	5.5	774
3	A pragmatic and readily implemented quality control strategy for HPLC-MS and GC-MS-based metabolomic analysis. Analyst, The, 2006, 131, 1075.	1.7	498
4	UPLC/MSE; a new approach for generating molecular fragment information for biomarker structure elucidation. Rapid Communications in Mass Spectrometry, 2006, 20, 1989-1994.	0.7	434
5	High Resolution "Ultra Performance" Liquid Chromatography Coupled to oa-TOF Mass Spectrometry as a Tool for Differential Metabolic Pathway Profiling in Functional Genomic Studies. Journal of Proteome Research, 2005, 4, 591-598.	1.8	423
6	HPLC-MS-based methods for the study of metabolomics. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 817, 67-76.	1.2	404
7	Current practice of liquid chromatography-mass spectrometry in metabolomics and metabolomics. Journal of Pharmaceutical and Biomedical Analysis, 2014, 87, 12-25.	1.4	348
8	Statistical Heterospectroscopy, an Approach to the Integrated Analysis of NMR and UPLC-MS Data Sets: Application in Metabolomic Toxicology Studies. Analytical Chemistry, 2006, 78, 363-371.	3.2	330
9	Ultra-performance liquid chromatography coupled to quadrupole-orthogonal time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2331-2337.	0.7	319
10	Advancing LC Performance with Smaller Particles and Higher Pressure. Analytical Chemistry, 2005, 77, 460 A-467 A.	3.2	284
11	Summary recommendations for standardization and reporting of metabolic analyses. Nature Biotechnology, 2005, 23, 833-838.	9.4	261
12	Ion Mobility-Derived Collision Cross Section As an Additional Measure for Lipid Fingerprinting and Identification. Analytical Chemistry, 2015, 87, 1137-1144.	3.2	245
13	A rapid screening approach to metabolomics using UPLC and oa-TOF mass spectrometry: application to age, gender and diurnal variation in normal/Zucker obese rats and black, white and nude mice. Analyst, The, 2005, 130, 844.	1.7	214
14	Metabolomics: the use of electrospray mass spectrometry coupled to reversed-phase liquid chromatography shows potential for the screening of rat urine in drug development. Rapid Communications in Mass Spectrometry, 2002, 16, 1991-1996.	0.7	202
15	Use of liquid chromatography/time-of-flight mass spectrometry and multivariate statistical analysis shows promise for the detection of drug metabolites in biological fluids. Rapid Communications in Mass Spectrometry, 2003, 17, 2632-2638.	0.7	189
16	Increasing throughput and information content for in vitro drug metabolism experiments using ultra-performance liquid chromatography coupled to a quadrupole time-of-flight mass spectrometer. Rapid Communications in Mass Spectrometry, 2005, 19, 843-848.	0.7	186
17	Ultra-performance LC/TOF MS analysis of medicinal Panax herbs for metabolomic research. Journal of Separation Science, 2008, 31, 1015-1026.	1.3	161
18	The use of turbulent flow chromatography/mass spectrometry for the rapid, direct analysis of a novel pharmaceutical compound in plasma. , 1997, 11, 1953-1958.		158

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19	Novel Application of Reversed-Phase UPLC- <i>oa</i> TOF-MS for Lipid Analysis in Complex Biological Mixtures: A New Tool for Lipidomics. <i>Journal of Proteome Research</i> , 2007, 6, 552-558.	1.8	156
20	Metabonomic analysis of mouse urine by liquid-chromatography-time of flight mass spectrometry (LC-TOFMS): detection of strain, diurnal and gender differences. <i>Analyst</i> , The, 2003, 128, 819.	1.7	145
21	A multi-analytical platform approach to the metabonomic analysis of plasma from normal and Zucker (fa/fa) obese rats. <i>Molecular BioSystems</i> , 2006, 2, 174.	2.9	135
22	HILIC-UPLC-MS for Exploratory Urinary Metabolic Profiling in Toxicological Studies. <i>Analytical Chemistry</i> , 2011, 83, 382-390.	3.2	135
23	Extraction, interpretation and validation of information for comparing samples in metabolic LC/MS data sets. <i>Analyst</i> , The, 2005, 130, 701-707.	1.7	114
24	A combined ¹ H NMR and HPLC-MS-based metabonomic study of urine from obese (fa/fa) Zucker and normal Wistar-derived rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 465-471.	1.4	109
25	Untargeted LC/MS-based metabolic phenotyping (metabonomics/metabolomics): The state of the art. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1117, 136-147.	1.2	106
26	Investigating the human metabolism of acetaminophen using UPLC and exact mass <i>oa</i> -TOF MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 805-810.	1.4	103
27	A high-throughput liquid chromatography/tandem mass spectrometry method for screening glutathione conjugates using exact mass neutral loss acquisition. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 798-804.	0.7	103
28	Application of a generic fast gradient liquid chromatography tandem mass spectrometry method for the analysis of cytochrome P450 probe substrates. , 1998, 12, 217-224.		95
29	Parallel ultra-high flow rate liquid chromatography with mass spectrometric detection using a multiplex electrospray source for direct, sensitive determination of pharmaceuticals in plasma at extremely high throughput. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 2039-2045.	0.7	89
30	Ultra Performance Liquid Chromatography-Mass Spectrometry Profiling of Bile Acid Metabolites in Biofluids: Application to Experimental Toxicology Studies. <i>Analytical Chemistry</i> , 2010, 82, 5282-5289.	3.2	89
31	Optimisation and routine use of generic ultra-high flow-rate liquid chromatography with mass spectrometric detection for the direct on-line analysis of pharmaceuticals in plasma. <i>Journal of Chromatography A</i> , 1998, 828, 199-207.	1.8	85
32	High-Speed Quantitative UPLC-MS Analysis of Multiple Amines in Human Plasma and Serum via Pre-column Derivatization with 6-Aminoquinolyl- <i>N</i> -hydroxysuccinimidyl Carbamate: Application to Acetaminophen-Induced Liver Failure. <i>Analytical Chemistry</i> , 2017, 89, 2478-2487.	3.2	78
33	Direct analysis of pharmaceutical compounds in human plasma with chromatographic resolution using an alkyl-bonded silica rod column. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 986-993.	0.7	77
34	Generation of Ultrahigh Peak Capacity LC Separations via Elevated Temperatures and High Linear Mobile-Phase Velocities. <i>Analytical Chemistry</i> , 2006, 78, 7278-7283.	3.2	74
35	¹ H NMR and UPLC-MSE Statistical Heterospectroscopy: Characterization of Drug Metabolites (Xenometabolome) in Epidemiological Studies. <i>Analytical Chemistry</i> , 2008, 80, 6835-6844.	3.2	74
36	Ultrahigh-Performance Liquid Chromatography Tandem Mass Spectrometry with Electrospray Ionization Quantification of Tryptophan Metabolites and Markers of Gut Health in Serum and Plasma Application to Clinical and Epidemiology Cohorts. <i>Analytical Chemistry</i> , 2019, 91, 5207-5216.	3.2	72

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37	Use of monolithic silica columns to increase analytical throughput for metabolite identification by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 152-158.	0.7	67
38	Multidimensional chromatography coupled to electrospray ionization time-of-flight mass spectrometry as an alternative to two-dimensional gels for the identification and analysis of complex mixtures of intact proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 782, 267-289.	1.2	67
39	The detection of phenotypic differences in the metabolic plasma profile of three strains of Zucker rats at 20 weeks of age using ultra-performance liquid chromatography/orthogonal acceleration time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2800-2806.	0.7	64
40	Single dose pharmacokinetics of lamivudine in subjects with impaired renal function and the effect of haemodialysis. <i>British Journal of Clinical Pharmacology</i> , 1998, 46, 21-27.	1.1	62
41	The application of small porous particles, high temperatures, and high pressures to generate very high resolution LC and LC/MS separations. <i>Journal of Separation Science</i> , 2007, 30, 1158-1166.	1.3	62
42	Application of Ultra Performance Liquid Chromatography-Mass Spectrometry to Profiling Rat and Dog Bile. <i>Journal of Proteome Research</i> , 2009, 8, 2495-2500.	1.8	62
43	Metabolic Phenotyping Reveals a Lipid Mediator Response to Ionizing Radiation. <i>Journal of Proteome Research</i> , 2014, 13, 4143-4154.	1.8	62
44	Analysis of polar urinary metabolites for metabolic phenotyping using supercritical fluid chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1449, 141-155.	1.8	60
45	Development of a rapid profiling method for the analysis of polar analytes in urine using HILIC-MS and ion mobility enabled HILIC-MS. <i>Metabolomics</i> , 2019, 15, 17.	1.4	57
46	The application of microbore UPLC/oa-TOF-MS and 1H NMR spectroscopy to the metabonomic analysis of rat urine following the intravenous administration of pravastatin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 845-852.	1.4	53
47	Advances in liquid chromatography coupled to mass spectrometry for metabolic phenotyping. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 181-191.	5.8	53
48	Ion mobility spectrometry combined with ultra performance liquid chromatography/mass spectrometry for metabolic phenotyping of urine: Effects of column length, gradient duration and ion mobility spectrometry on metabolite detection. <i>Analytica Chimica Acta</i> , 2017, 982, 1-8.	2.6	53
49	Statistical Search Space Reduction and Two-Dimensional Data Display Approaches for UPLC-MS in Biomarker Discovery and Pathway Analysis. <i>Analytical Chemistry</i> , 2006, 78, 4398-4408.	3.2	52
50	Analysis of hexafluoropropylene oxide-dimer acid (HFPO-DA) by liquid chromatography-mass spectrometry (LC-MS): Review of current approaches and environmental levels. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 828-839.	5.8	52
51	Quantitative analysis of pharmaceuticals in biological fluids using high-performance liquid chromatography coupled to mass spectrometry: a review. <i>Xenobiotica</i> , 2001, 31, 599-617.	0.5	51
52	Tetrahydrobiopterin and alkylglycerol monooxygenase substantially alter the murine macrophage lipidome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2431-2436.	3.3	50
53	Ultra-high flow rate capillary liquid chromatography with mass spectrometric detection for the direct analysis of pharmaceuticals in plasma at sub-nanogram per millilitre concentrations. <i>Journal of Chromatography B</i> , 1999, 13, 1657-1662.		46
54	A gender-specific discriminator in Sprague-Dawley rat urine: The deployment of a metabolic profiling strategy for biomarker discovery and identification. <i>Analytical Biochemistry</i> , 2007, 362, 182-192.	1.1	46

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55	Intra- and Interlaboratory Reproducibility of Ultra Performance Liquid Chromatographyâ€“Time-of-Flight Mass Spectrometry for Urinary Metabolic Profiling. <i>Analytical Chemistry</i> , 2012, 84, 2424-2432.	3.2	44
56	Comprehensive investigation of the influence of acidic, basic, and organic mobile phase compositions on bioanalytical assay sensitivity in positive ESI mode LC/MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 59, 138-150.	1.4	43
57	Comparison of reversed-phase and hydrophilic interaction liquid chromatography for the quantification of ephedrines using medium-resolution accurate mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1289, 37-46.	1.8	43
58	A metabonomic study of strain- and age-related differences in the Zucker rat. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2039-2045.	0.7	42
59	Comparison of reversed-phase and hydrophilic interaction liquid chromatography for the separation of ephedrines. <i>Journal of Chromatography A</i> , 2012, 1228, 329-337.	1.8	41
60	Ultra high resolution SFCâ€“MS as a high throughput platform for metabolic phenotyping: Application to metabolic profiling of rat and dog bile. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 966, 200-207.	1.2	41
61	A rapid and efficient approach to metabolite identification using nuclear magnetic resonance spectroscopy, liquid chromatography/mass spectrometry and liquid chromatography/nuclear magnetic resonance spectroscopy/sequential mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 2023-2030.	0.7	40
62	The rapid identification of drug metabolites using capillary liquid chromatography coupled to an ion trap mass spectrometer. , 1999, 13, 456-463.		40
63	Development of a Rapid Microbore Metabolic Profiling Ultraperformance Liquid Chromatographyâ€“Mass Spectrometry Approach for High-Throughput Phenotyping Studies. <i>Analytical Chemistry</i> , 2016, 88, 5742-5751.	3.2	39
64	Ultra-performance liquid chromatography/tandem mass spectrometric quantification of structurally diverse drug mixtures using an ESI-APCI multimode ionization source. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 893-902.	0.7	38
65	Metabonomic Studies Comparing Capillary and Conventional HPLC-oe-TOF MS for the Analysis of Urine from Zucker Obese Rats. <i>Chromatographia</i> , 2005, 61, 375-380.	0.7	34
66	Comparison of the quantification of a therapeutic protein using nominal and accurate mass MS/MS. <i>Bioanalysis</i> , 2012, 4, 605-615.	0.6	34
67	A comparison of collision cross section values obtained via travelling wave ion mobility-mass spectrometry and ultra high performance liquid chromatography-ion mobility-mass spectrometry: Application to the characterisation of metabolites in rat urine. <i>Journal of Chromatography A</i> , 2019, 1602, 386-396.	1.8	34
68	Urinary metabolites of a novel quinoxaline non-nucleoside reverse transcriptase inhibitor in rabbit, mouse and human: identification of fluorine NIH shift metabolites using NMR and tandem MS. <i>Xenobiotica</i> , 2000, 30, 407-426.	0.5	33
69	High-Throughput Microbore UPLCâ€“MS Metabolic Phenotyping of Urine for Large-Scale Epidemiology Studies. <i>Journal of Proteome Research</i> , 2015, 14, 2714-2721.	1.8	33
70	Addressing the analytical throughput challenges in ADME screening using rapid ultraâ€“performance liquid chromatography/tandem mass spectrometry methodologies. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2139-2152.	0.7	32
71	Use of an Atmospheric Solids Analysis Probe (ASAP) for High Throughput Screening of Biological Fluids: Preliminary Applications on Urine and Bile. <i>Journal of Proteome Research</i> , 2010, 9, 3590-3597.	1.8	26
72	The use of capillary high performance liquid chromatography with electrospray mass spectrometry for the analysis of small volume blood samples from serially bled mice to determine the pharmacokinetics of early discovery compounds. <i>Rapid Communications in Mass Spectrometry</i> , 1999, 13, 2366-2375.	0.7	25

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73	Investigation of microbore UPLC and nontraditional mobile phase compositions for bioanalytical LC-MS/MS. <i>Bioanalysis</i> , 2012, 4, 1287-1297.	0.6	25
74	Liquid chromatography-ion mobility-high resolution mass spectrometry for analysis of pollutants in indoor dust: Identification and predictive capabilities. <i>Analytica Chimica Acta</i> , 2020, 1125, 29-40.	2.6	25
75	Estrogen accelerates heart regeneration by promoting the inflammatory response in zebrafish. <i>Journal of Endocrinology</i> , 2020, 245, 39-51.	1.2	25
76	A Rapid Simple Approach to Screening Pharmaceutical Products Using Ultra-Performance LC Coupled to Time-of-Flight Mass Spectrometry and Pattern Recognition. <i>Journal of Chromatographic Science</i> , 2008, 46, 193-198.	0.7	24
77	A rapid ultra-performance liquid chromatography/tandem mass spectrometric methodology for the <i>in vitro</i> analysis of Pooled and Cocktail cytochrome P450 assays. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 147-154.	0.7	24
78	Sub one minute inhibition assays for the major cytochrome P450 enzymes utilizing ultra-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1345-1350.	0.7	22
79	The use of preparative high performance liquid chromatography with tandem mass spectrometric directed fraction collection for the isolation and characterisation of drug metabolites in urine by nuclear magnetic resonance spectroscopy and liquid chromatography/sequential mass spectrometry. , 1999, 13, 845-854.		21
80	Determination of 4-hydroxytamoxifen in mouse plasma in the pg/mL range by gradient capillary liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 297-303.	0.7	21
81	Rapid analysis of dried blood spot samples with sub-2-µm LC-MS/MS. <i>Bioanalysis</i> , 2011, 3, 411-420.	0.6	21
82	Rapid profiling method for the analysis of lipids in human plasma using ion mobility enabled-reversed phase-ultra high performance liquid chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1611, 460597.	1.8	21
83	The potential of serially coupled alkyl-bonded silica monolithic columns for high resolution separations of pharmaceutical compounds in biological fluids. <i>Chromatographia</i> , 2002, 55, 177-184.	0.7	19
84	Tandem mass spectrometry linked fraction collection for the isolation of drug metabolites from biological matrices. <i>Rapid Communications in Mass Spectrometry</i> , 1999, 13, 886-894.	0.7	18
85	The application of sub-2-µm particle liquid chromatography-operated high mobile linear velocities coupled to orthogonal accelerated time-of-flight mass spectrometry for the analysis of ranitidine and its impurities. <i>Journal of Separation Science</i> , 2006, 29, 2409-2420.	1.3	18
86	High-temperature ultra-performance liquid chromatography coupled to hybrid quadrupole time-of-flight mass spectrometry applied to ibuprofen metabolites in human urine. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 4079-4085.	0.7	17
87	Rapid detection and identification of counterfeit adulterated products of synthetic phosphodiesterase type 5 inhibitors with an atmospheric solids analysis probe. <i>Drug Testing and Analysis</i> , 2010, 2, 45-50.	1.6	17
88	High fat diet causes distinct aberrations in the testicular proteome. <i>International Journal of Obesity</i> , 2020, 44, 1958-1969.	1.6	17
89	Addressing the challenge of limited sample volumes in <i>in vitro</i> studies with capillary-scale microfluidic LC-MS/MS. <i>Bioanalysis</i> , 2011, 3, 873-882.	0.6	16
90	N-Oglucuronidation: a major human metabolic pathway in the elimination of two novel anticonvulsant drug candidates. <i>Xenobiotica</i> , 2002, 32, 29-43.	0.5	15

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91	An integrated ceramic, micro-fluidic device for the LC/MS/MS analysis of pharmaceuticals in plasma. <i>Analyst, The</i> , 2015, 140, 5546-5556.	1.7	15
92	The application of fast gradient capillary liquid chromatography/mass spectrometry to the analysis of pharmaceuticals in biofluids. , 1999, 13, 865-872.		14
93	The rapid detection and identification of the impurities of simvastatin using high resolution sub 2 μ m particle LC coupled to hybrid quadrupole time of flight MS operating with alternating high&low collision energy. <i>Journal of Separation Science</i> , 2007, 30, 2666-2675.	1.3	14
94	UPLC/MSE; a new approach for generating molecular fragment information for biomarker structure elucidation. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2234-2234.	0.7	13
95	A novel LC&MS approach for the detection of metabolites in DMPK studies. <i>Bioanalysis</i> , 2010, 2, 1767-1778.	0.6	13
96	Use of Cyclic Ion Mobility Spectrometry (cIM)-Mass Spectrometry to Study the Intramolecular Transacylation of Diclofenac Acyl Glucuronide. <i>Analytical Chemistry</i> , 2021, 93, 7413-7421.	3.2	13
97	Cognitive analysis of metabolomics data for systems biology. <i>Nature Protocols</i> , 2021, 16, 1376-1418.	5.5	13
98	Systematic evaluation of acetone and acetonitrile for use in hydrophilic interaction liquid chromatography coupled with electrospray ionization mass spectrometry of basic small molecules. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3666-3674.	0.7	12
99	High Performance Thin-Layer Chromatography of Plant Ecdysteroids Coupled with Desorption Electrospray Ionisation&Ion Mobility&Time of Flight High Resolution Mass Spectrometry (HPTLC/DESI/IM/ToFMS). <i>Chromatographia</i> , 2020, 83, 1029-1035.	0.7	12
100	Application of a Novel Mass Spectral Data Acquisition Approach to Lipidomic Analysis of Liver Extracts from Sitaxentan-Treated Liver-Humanized PXB Mice. <i>Journal of Proteome Research</i> , 2019, 18, 4055-4064.	1.8	11
101	Practical applications of integrated microfluidics for peptide quantification. <i>Bioanalysis</i> , 2015, 7, 857-867.	0.6	10
102	Integration of microfluidic LC with HRMS for the analysis of analytes in biofluids: past, present and future. <i>Bioanalysis</i> , 2015, 7, 1397-1411.	0.6	10
103	High-Throughput UHPLC/MS/MS-Based Metabolic Profiling Using a Vacuum Jacketed Column. <i>Analytical Chemistry</i> , 2021, 93, 10644-10652.	3.2	10
104	High-Throughput Microbore Ultrahigh-Performance Liquid Chromatography-Ion Mobility-Enabled-Mass Spectrometry-Based Proteomics Methodology for the Exploratory Analysis of Serum Samples from Large Cohort Studies. <i>Journal of Proteome Research</i> , 2021, 20, 1705-1715.	1.8	9
105	Urinary metabolites of a novel quinoxaline non-nucleoside reverse transcriptase inhibitor in dog, cynomolgus monkey and mini-pig. <i>Xenobiotica</i> , 1999, 29, 957-967.	0.5	8
106	A method for the direct injection and analysis of small volume human blood spots and plasma extracts containing high concentrations of organic solvents using reversed-phase 2D UPLC/MS. <i>Analyst, The</i> , 2015, 140, 1921-1931.	1.7	8
107	A validated UPLC-MS/MS assay for the quantification of amino acids and biogenic amines in rat urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1106-1107, 50-57.	1.2	8
108	Chemical profiling and characterization of phenolic acids, flavonoids, terpene glycosides from <i>Vangueria agrestis</i> using ultra&high&performance liquid chromatography/ion mobility quadrupole time&of&flight mass spectrometry and metabolomics approach. <i>Biomedical Chromatography</i> , 2020, 34, e4840.	0.8	8

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109	Rapid determination of the pharmacokinetics and metabolic fate of gefitinib in the mouse using a combination of UPLC/MS/MS, UPLC/QToF/MS, and ion mobility (IM)-enabled UPLC/QToF/MS. <i>Xenobiotica</i> , 2021, 51, 434-446.	0.5	8
110	Improving LC/MS/MS-based bioanalytical method performance and sensitivity via a hybrid surface barrier to mitigate analyte – Metal surface interactions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122825.	1.2	8
111	Identification of a novel human circulating metabolite of tenofovir disoproxil fumarate with LC–MS/MS. <i>Bioanalysis</i> , 2015, 7, 643-652.	0.6	7
112	Application of hybrid surface technology for improving sensitivity and peak shape of phosphorylated lipids such as phosphatidic acid and phosphatidylserine. <i>Journal of Chromatography A</i> , 2022, 1669, 462921.	1.8	7
113	High performance Reversed-Phase Thin-Layer Chromatography-Desorption electrospray ionisation - time of flight high resolution mass spectrometric detection and imaging (HPTLC/DESI/ToFMS) of phytoecdysteroids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1200, 123265.	1.2	7
114	Direct analysis of a polar pharmaceutical compound in plasma using ultra-high flow rate liquid chromatography/mass spectrometry with a mixed-mode column. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2526-2529.	0.7	6
115	Development of a high sensitivity bioanalytical method for alprazolam using ultra–performance liquid chromatography/tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2010, 2, 11-18.	1.6	6
116	Investigation of basic mobile phases with positive ESI LC–MS for metabonomics studies. <i>Bioanalysis</i> , 2012, 4, 2833-2842.	0.6	6
117	Metabolic Phenotyping Using UPLC–MS and Rapid Microbore UPLC–IM–MS: Determination of the Effect of Different Dietary Regimes on the Urinary Metabolome of the Rat. <i>Chromatographia</i> , 2020, 83, 853-861.	0.7	6
118	Hybrid organic/inorganic hybrid surface technology for increasing the performance of LC/MS(MS)-based drug metabolite identification studies: Application to gefitinib and metabolites in mouse plasma and urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 200, 114076.	1.4	6
119	The Pharmacometabodynamics of Gefitinib after Intravenous Administration to Mice: A Preliminary UPLC–IM–MS Study. <i>Metabolites</i> , 2021, 11, 379.	1.3	6
120	Access to the Phospho-proteome via the Mitigation of Peptide-Metal Interactions. <i>Journal of Chromatography A</i> , 2022, 1673, 463024.	1.8	6
121	Capillary ultra performance liquid chromatography–tandem mass spectrometry analysis of tienilic acid metabolites in urine following intravenous administration to the rat. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1087-1088, 142-148.	1.2	4
122	High Throughput UHPLC-MS-Based Lipidomics Using Vacuum Jacketed Columns. <i>Journal of Proteome Research</i> , 2022, 21, 691-701.	1.8	4
123	The analysis of acetaminophen (paracetamol) and seven metabolites in rat, pig and human plasma by U(H)PLC–MS. <i>Bioanalysis</i> , 2020, 12, 485-500.	0.6	3
124	Liquid Chromatographic Methods Combined with Mass Spectrometry in–Metabolomics. , 2013, , 145-161.		2
125	Liquid Chromatographic Techniques in Metabolomics. <i>RSC Chromatography Monographs</i> , 2013, , 64-86.	0.1	2
126	The metabolic fate and effects of 2-Bromophenol in male Sprague–Dawley rats. <i>Xenobiotica</i> , 2019, 49, 1352-1359.	0.5	2

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127	Liquid chromatographic methods combined with mass spectrometry in metabolomics. , 2020, , 149-169.		2
128	UHPLC-MS-Based Lipidomic and Metabonomic Investigation of the Metabolic Phenotypes of Wild Type and Hepatic CYP Reductase Null (HRN) Mice. Journal of Pharmaceutical and Biomedical Analysis, 2020, 186, 113318.	1.4	2
129	Proteomic consequences of the deletion of cytochrome P450 (CYP450) reductase in mice. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1179, 122803.	1.2	1
130	Themed issue on "emerging technologies in mass spectrometry". Bioanalysis, 2017, 9, 1617-1618.	0.6	0
131	Metabolic phenotyping (metabonomics/metabolomics) by liquid chromatography-mass spectrometry. , 2017, , 245-265.		0
132	Supercritical Fluid Chromatography for Metabolic Phenotyping: Potential and Applications. , 2019, , 205-217.		0