

Ian D Wilson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6491109/publications.pdf>

Version: 2024-02-01

392
papers

31,355
citations

7568

77
h-index

5394

164
g-index

411
all docs

411
docs citations

411
times ranked

26407
citing authors

#	ARTICLE	IF	CITATIONS
1	Procedures for large-scale metabolic profiling of serum and plasma using gas chromatography and liquid chromatography coupled to mass spectrometry. <i>Nature Protocols</i> , 2011, 6, 1060-1083.	12.0	2,236
2	Understanding 'Global' Systems Biology: Metabonomics and the Continuum of Metabolism. <i>Nature Reviews Drug Discovery</i> , 2003, 2, 668-676.	46.4	975
3	Global metabolic profiling procedures for urine using UPLC-MS. <i>Nature Protocols</i> , 2010, 5, 1005-1018.	12.0	867
4	Gut microorganisms, mammalian metabolism and personalized health care. <i>Nature Reviews Microbiology</i> , 2005, 3, 431-438.	28.6	861
5	Global metabolic profiling of animal and human tissues via UPLC-MS. <i>Nature Protocols</i> , 2013, 8, 17-32.	12.0	774
6	Metabolic Phenotyping in Health and Disease. <i>Cell</i> , 2008, 134, 714-717.	28.9	711
7	Gut microbiota modulation of chemotherapy efficacy and toxicity. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 356-365.	17.8	643
8	Systemic gut microbial modulation of bile acid metabolism in host tissue compartments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4523-4530.	7.1	625
9	High resolution proton magnetic resonance spectroscopy of biological fluids. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1989, 21, 449-501.	7.5	570
10	Rapid and Noninvasive Metabonomic Characterization of Inflammatory Bowel Disease. <i>Journal of Proteome Research</i> , 2007, 6, 546-551.	3.7	539
11	Guidelines and considerations for the use of system suitability and quality control samples in mass spectrometry assays applied in untargeted clinical metabolomic studies. <i>Metabolomics</i> , 2018, 14, 72.	3.0	517
12	A pragmatic and readily implemented quality control strategy for HPLC-MS and GC-MS-based metabonomic analysis. <i>Analyst</i> , 2006, 131, 1075.	3.5	498
13	Analytical Strategies in Metabonomics. <i>Journal of Proteome Research</i> , 2007, 6, 443-458.	3.7	497
14	Within-Day Reproducibility of an HPLC-MS-Based Method for Metabonomic Analysis: Application to Human Urine. <i>Journal of Proteome Research</i> , 2007, 6, 3291-3303.	3.7	459
15	Liquid chromatography-mass spectrometry based global metabolite profiling: A review. <i>Analytica Chimica Acta</i> , 2012, 711, 7-16.	5.4	452
16	Development of a Robust and Repeatable UPLC-MS Method for the Long-Term Metabolomic Study of Human Serum. <i>Analytical Chemistry</i> , 2009, 81, 1357-1364.	6.5	447
17	Gut microbiome interactions with drug metabolism, efficacy, and toxicity. <i>Translational Research</i> , 2017, 179, 204-222.	5.0	439
18	UPLC/MSE; a new approach for generating molecular fragment information for biomarker structure elucidation. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1989-1994.	1.5	434

#	ARTICLE	IF	CITATIONS
19	High Resolution "Ultra Performance" Liquid Chromatography Coupled to oa-TOF Mass Spectrometry as a Tool for Differential Metabolic Pathway Profiling in Functional Genomic Studies. <i>Journal of Proteome Research</i> , 2005, 4, 591-598.	3.7	423
20	HPLC-MS-based methods for the study of metabonomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 817, 67-76.	2.3	404
21	Managing the challenge of chemically reactive metabolites in drug development. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 292-306.	46.4	382
22	The importance of experimental design and QC samples in large-scale and MS-driven untargeted metabolomic studies of humans. <i>Bioanalysis</i> , 2012, 4, 2249-2264.	1.5	382
23	Predicting drug metabolism: experiment and/or computation?. <i>Nature Reviews Drug Discovery</i> , 2015, 14, 387-404.	46.4	355
24	The challenges of modeling mammalian biocomplexity. <i>Nature Biotechnology</i> , 2004, 22, 1268-1274.	17.5	351
25	Current practice of liquid chromatography" mass spectrometry in metabolomics and metabonomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 87, 12-25.	2.8	348
26	LC-MS-based methodology for global metabolite profiling in metabonomics/metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 251-260.	11.4	306
27	An NMR-based metabonomic approach to investigate the biochemical consequences of genetic strain differences: application to the C57BL10J and <i>Alpk:ApfCD</i> mouse. <i>FEBS Letters</i> , 2000, 484, 169-174.	2.8	291
28	Hippurate: The Natural History of a Mammalian" Microbial Cometabolite. <i>Journal of Proteome Research</i> , 2013, 12, 1527-1546.	3.7	263
29	Summary recommendations for standardization and reporting of metabolic analyses. <i>Nature Biotechnology</i> , 2005, 23, 833-838.	17.5	261
30	Metabonomics, dietary influences and cultural differences: a ¹ H NMR-based study of urine samples obtained from healthy British and Swedish subjects. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 841-849.	2.8	248
31	An Integrated Metabonomic Investigation of Acetaminophen Toxicity in the Mouse Using NMR Spectroscopy. <i>Chemical Research in Toxicology</i> , 2003, 16, 295-303.	3.3	245
32	A ¹ H NMR-based metabonomic study of urine and plasma samples obtained from healthy human subjects. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 33, 1103-1115.	2.8	230
33	Top-Down Systems Biology Modeling of Host Metatype" Microbiome Associations in Obese Rodents. <i>Journal of Proteome Research</i> , 2009, 8, 2361-2375.	3.7	228
34	Evaluation of the repeatability of ultra-performance liquid chromatography" TOF-MS for global metabolic profiling of human urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 871, 299-305.	2.3	215
35	A rapid screening approach to metabonomics 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. <i>Analyst</i> , 2005, 130, 844.	3.5	214
36	Metabonomic and Microbiological Analysis of the Dynamic Effect of Vancomycin-Induced Gut Microbiota Modification in the Mouse. <i>Journal of Proteome Research</i> , 2008, 7, 3718-3728.	3.7	202

#	ARTICLE	IF	CITATIONS
37	Molecular phenotyping of a UK population: defining the human serum metabolome. <i>Metabolomics</i> , 2015, 11, 9-26.	3.0	202
38	In Vitro Approach to Assess the Potential for Risk of Idiosyncratic Adverse Reactions Caused by Candidate Drugs. <i>Chemical Research in Toxicology</i> , 2012, 25, 1616-1632.	3.3	197
39	Effect of diet on the urinary excretion of hippuric acid and other dietary-derived aromatics in rat. A complex interaction between diet, gut microflora and substrate specificity. <i>Xenobiotica</i> , 1998, 28, 527-537.	1.1	190
40	Hydrophilic interaction chromatography coupled to MS for metabonomic/metabolomic studies. <i>Journal of Separation Science</i> , 2010, 33, 716-727.	2.5	180
41	Liquid chromatography and ultra-performance liquid chromatography-mass spectrometry fingerprinting of human urine. <i>Journal of Chromatography A</i> , 2008, 1189, 314-322.	3.7	178
42	Directly coupled HPLC-NMR and HPLC-NMR-MS in pharmaceutical research and development. <i>Biomedical Applications</i> , 2000, 748, 233-258.	1.7	177
43	Mass spectrometry-based holistic analytical approaches for metabolite profiling in systems biology studies. <i>Mass Spectrometry Reviews</i> , 2011, 30, 884-906.	5.4	171
44	Combined HPLC, NMR Spectroscopy, and Ion-Trap Mass Spectrometry with Application to the Detection and Characterization of Xenobiotic and Endogenous Metabolites in Human Urine. <i>Analytical Chemistry</i> , 1996, 68, 4431-4435.	6.5	169
45	Physiological variation in metabolic phenotyping and functional genomic studies: use of orthogonal signal correction and PLS-DA. <i>FEBS Letters</i> , 2002, 530, 191-196.	2.8	169
46	Integrated application of transcriptomics and metabonomics yields new insight into the toxicity due to paracetamol in the mouse. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 93-105.	2.8	163
47	UPLC-MS-Based Analysis of Human Plasma for Metabonomics Using Solvent Precipitation or Solid Phase Extraction. <i>Journal of Proteome Research</i> , 2009, 8, 2114-2121.	3.7	159
48	MerTK expressing hepatic macrophages promote the resolution of inflammation in acute liver failure. <i>Gut</i> , 2018, 67, 333-347.	12.1	150
49	Statistically Integrated Metabonomic-Proteomic Studies on a Human Prostate Cancer Xenograft Model in Mice. <i>Journal of Proteome Research</i> , 2006, 5, 2642-2655.	3.7	146
50	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.	3.5	145
51	Systems Toxicology: Integrated Genomic, Proteomic and Metabonomic Analysis of Methapyrilene Induced Hepatotoxicity in the Rat. <i>Journal of Proteome Research</i> , 2006, 5, 1586-1601.	3.7	143
52	Intervention among Suicidal Men: Future Directions for Telephone Crisis Support Research. <i>Frontiers in Public Health</i> , 2018, 6, 1.	2.7	143
53	A metabonomic investigation of the biochemical effects of mercuric chloride in the rat using ¹ H NMR and HPLC-TOF/MS: time dependant changes in the urinary profile of endogenous metabolites as a result of nephrotoxicity. <i>Analyst</i> , The, 2004, 129, 535.	3.5	138
54	Direct coupling of chromatographic separations to NMR spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1996, 29, 1-49.	7.5	137

#	ARTICLE	IF	CITATIONS
55	Pharmacometabonomics as an effector for personalized medicine. <i>Pharmacogenomics</i> , 2011, 12, 103-111.	1.3	136
56	High-performance liquid chromatography coupled to high-field proton nuclear magnetic resonance spectroscopy: application to the urinary metabolites of ibuprofen. <i>Analytical Chemistry</i> , 1993, 65, 327-330.	6.5	135
57	Metabonomics with ¹ H-NMR spectroscopy and liquid chromatography-mass spectrometry applied to the investigation of metabolic changes caused by gentamicin-induced nephrotoxicity in the rat. <i>Biomarkers</i> , 2005, 10, 173-187.	1.9	135
58	HILIC-UPLC-MS for Exploratory Urinary Metabolic Profiling in Toxicological Studies. <i>Analytical Chemistry</i> , 2011, 83, 382-390.	6.5	135
59	Cyclosporin A-induced changes in endogenous metabolites in rat urine: a metabonomic investigation using high field NMR spectroscopy, HPLC-TOF/MS and chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 599-608.	2.8	133
60	High-Performance Liquid Chromatography On-Line Coupled to High-Field NMR and Mass Spectrometry for Structure Elucidation of Constituents of <i>Hypericum perforatum</i> L.. <i>Analytical Chemistry</i> , 1999, 71, 5235-5241.	6.5	130
61	Hyphenation and hypernation. <i>Journal of Chromatography A</i> , 2003, 1000, 325-356.	3.7	124
62	Hydrophilic interaction and reversed-phase ultra-performance liquid chromatography TOF-MS for metabonomic analysis of Zucker rat urine. <i>Journal of Separation Science</i> , 2008, 31, 1598-1608.	2.5	121
63	Targeted inhibition of gut bacterial β -glucuronidase activity enhances anticancer drug efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7374-7381.	7.1	121
64	Detection of Urinary Drug Metabolite (Xenometabolome) Signatures in Molecular Epidemiology Studies via Statistical Total Correlation (NMR) Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 2629-2640.	6.5	118
65	The state of the art in thin-layer chromatography-mass spectrometry: a critical appraisal. <i>Journal of Chromatography A</i> , 1999, 856, 429-442.	3.7	116
66	Acyl Glucuronides: Biological Activity, Chemical Reactivity, and Chemical Synthesis. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6931-6945.	6.4	116
67	Evaluation of a Molecular-imprinted Polymer for use in the Solid Phase Extraction of Propranolol From Biological Fluids. <i>Analytical Communications</i> , 1997, 34, 45-47.	2.2	114
68	Variation in Antibiotic-Induced Microbial Recolonization Impacts on the Host Metabolic Phenotypes of Rats. <i>Journal of Proteome Research</i> , 2011, 10, 3590-3603.	3.7	114
69	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.	2.8	109
70	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.	2.3	106
71	The Role of Gut Microbiota in Drug Response. <i>Current Pharmaceutical Design</i> , 2009, 15, 1519-1523.	1.9	105
72	Directly Coupled HPLC-NMR and Its Application to Drug Metabolism. <i>Drug Metabolism Reviews</i> , 1997, 29, 705-746.	3.6	104

#	ARTICLE	IF	CITATIONS
73	An overview of fecal sample preparation for global metabolic profiling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 113, 137-150.	2.8	104
74	Application of NMR-based metabolomics to the investigation of salt stress in maize (<i>Zea mays</i>). <i>Phytochemical Analysis</i> , 2011, 22, 214-224.	2.4	100
75	LC-MS-based holistic metabolic profiling. Problems, limitations, advantages, and future perspectives. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 966, 1-6.	2.3	88
76	Directly Coupled High-Performance Liquid Chromatography and Nuclear Magnetic Resonance Spectroscopic with Chemometric Studies on Metabolic Variation in Sprague-Dawley Rats. <i>Analytical Biochemistry</i> , 2001, 291, 245-252.	2.4	84
77	Drugs, bugs, and personalized medicine: Pharmacometabonomics enters the ring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14187-14188.	7.1	83
78	Meta-analysis of clinical metabolic profiling studies in cancer: challenges and opportunities. <i>EMBO Molecular Medicine</i> , 2016, 8, 1134-1142.	6.9	83
79	Protocol for quality control in metabolic profiling of biological fluids by U(H)PLC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1008, 15-25.	2.3	78
80	High-Speed Quantitative UPLC-MS Analysis of Multiple Amines in Human Plasma and Serum via Precolumn Derivatization with 6-Aminoquinolyl-N-hydroxysuccinimidyl Carbamate: Application to Acetaminophen-Induced Liver Failure. <i>Analytical Chemistry</i> , 2017, 89, 2478-2487.	6.5	78
81	Generation of Ultrahigh Peak Capacity LC Separations via Elevated Temperatures and High Linear Mobile-Phase Velocities. <i>Analytical Chemistry</i> , 2006, 78, 7278-7283.	6.5	74
82	¹ H NMR and UPLC-MSE Statistical Heterospectroscopy: Characterization of Drug Metabolites (Xenometabolome) in Epidemiological Studies. <i>Analytical Chemistry</i> , 2008, 80, 6835-6844.	6.5	74
83	Targeted profiling of polar intracellular metabolites using ion-pair-high performance liquid chromatography and -ultra high performance liquid chromatography coupled to tandem mass spectrometry: Applications to serum, urine and tissue extracts. <i>Journal of Chromatography A</i> , 2014, 1349, 60-68.	3.7	74
84	Superheated Heavy Water as the Eluent for HPLC-NMR and HPLC-NMR-MS of Model Drugs. <i>Analytical Chemistry</i> , 1999, 71, 4493-4497.	6.5	73
85	Hyphenated MS-based targeted approaches in metabolomics. <i>Analyst, The</i> , 2017, 142, 3079-3100.	3.5	72
86	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.	6.5	72
87	Solid-phase extraction chromatography and nuclear magnetic resonance spectrometry for the identification and isolation of drug metabolites in urine. <i>Analytical Chemistry</i> , 1987, 59, 2830-2832.	6.5	71
88	A QC approach to the determination of day-to-day reproducibility and robustness of LC-MS methods for global metabolite profiling in metabonomics/metabolomics. <i>Bioanalysis</i> , 2012, 4, 2239-2247.	1.5	71
89	Paracetamol metabolism, hepatotoxicity, biomarkers and therapeutic interventions: a perspective. <i>Toxicology Research</i> , 2018, 7, 347-357.	2.1	70
90	Ethyl glucoside in human urine following dietary exposure: detection by ¹ H NMR spectroscopy as a result of metabonomic screening of humans. <i>Analyst, The</i> , 2004, 129, 259.	3.5	69

#	ARTICLE	IF	CITATIONS
91	Directly coupled liquid chromatography with inductively coupled plasma mass spectrometry and orthogonal acceleration time-of-flight mass spectrometry for the identification of drug metabolites in urine: application to diclofenac using chlorine and sulfur detection. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 2377-2384.	1.5	67
92	High temperature-ultra performance liquid chromatography-mass spectrometry for the metabonomic analysis of Zucker rat urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 871, 279-287.	2.3	66
93	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.	1.5	64
94	Application of Ultra Performance Liquid Chromatography-Mass Spectrometry to Profiling Rat and Dog Bile. <i>Journal of Proteome Research</i> , 2009, 8, 2495-2500.	3.7	62
95	¹⁹ F-NMR and directly coupled HPLC-NMR-MS investigations into the metabolism of 2-bromo-4-trifluoromethylaniline in rat: a urinary excretion balance study without the use of radiolabelling. <i>Xenobiotica</i> , 1998, 28, 373-388.	1.1	61
96	A comparison between genetically humanized and chimeric liver humanized mouse models for studies in drug metabolism and toxicity. <i>Drug Discovery Today</i> , 2016, 21, 250-263.	6.4	61
97	The metabolism of ingested and injected [³ H]ecdysone by final instar larvae of <i>Heliiothis armigera</i> . <i>Physiological Entomology</i> , 1987, 12, 321-330.	1.5	60
98	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.	3.7	60
99	Coupling of HPLC with ¹⁹ F- and ¹ H-NMR spectroscopy to investigate the human urinary excretion of flurbiprofen metabolites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 1009-1015.	2.8	59
100	High performance liquid chromatography coupled to nuclear magnetic resonance spectroscopy and mass spectrometry applied to plant products: Identification of ecdysteroids from <i>Silene otites</i> . <i>Chromatographia</i> , 1999, 49, 374-378.	1.3	59
101	Investigation of a range of stationary phases for the separation of model drugs by HPLC using superheated water as the mobile phase. <i>Chromatographia</i> , 2000, 52, S28-S34.	1.3	59
102	Gut microbiome modulates the toxicity of hydrazine: a metabonomic study. <i>Molecular BioSystems</i> , 2009, 5, 351.	2.9	59
103	Metabolite Profiles from Dried Biofluid Spots for Metabonomic Studies using UPLC Combined with oaToF-MS. <i>Journal of Proteome Research</i> , 2010, 9, 3328-3334.	3.7	59
104	Metabonomic Investigation of Liver Profiles of Nonpolar Metabolites Obtained from Alcohol-Dosed Rats and Mice Using High Mass Accuracy MS ⁿ Analysis. <i>Journal of Proteome Research</i> , 2011, 10, 705-713.	3.7	59
105	Evaluation of liquid chromatography coupled with high-field ¹ H NMR spectroscopy for drug metabolite detection and characterization: The identification of paracetamol metabolites in urine and bile. <i>NMR in Biomedicine</i> , 1994, 7, 295-303.	2.8	58
106	HPLC Analysis of Ecdysteroids in Plant Extracts Using Superheated Deuterium Oxide with Multiple On-Line Spectroscopic Analysis (UV, IR, ¹ H NMR, and MS). <i>Analytical Chemistry</i> , 2002, 74, 288-294.	6.5	58
107	Does the Mass Spectrometer Define the Marker? A Comparison of Global Metabolite Profiling Data Generated Simultaneously via UPLC-MS on Two Different Mass Spectrometers. <i>Analytical Chemistry</i> , 2010, 82, 8226-8234.	6.5	58
108	Molecular imprints as sorbents for solid phase extraction: potential and applications. <i>Analytical Communications</i> , 1998, 35, 13-14.	2.2	57

#	ARTICLE	IF	CITATIONS
109	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.	3.0	57
110	The application of high performance liquid chromatography, coupled to nuclear magnetic resonance spectroscopy and mass spectrometry (HPLC-NMR-MS), to the characterisation of ibuprofen metabolites from human urine. <i>Chromatographia</i> , 1998, 47, 264-270.	1.3	56
111	Induction of 5-oxoprolinuria in the rat following chronic feeding with N-acetyl 4-aminophenol (paracetamol). <i>Biochemical Pharmacology</i> , 1993, 46, 953-957.	4.4	55
112	Metabolic Phenotyping of Nude and Normal (Alpk:ApfCD, C57BL10J) Mice. <i>Journal of Proteome Research</i> , 2006, 5, 378-384.	3.7	55
113	High resolution nuclear magnetic resonance spectroscopy of biological samples as an aid to drug development. , 1987, 31, 427-479.		54
114	Directly coupled CZE-NMR and CEC-NMR spectroscopy for metabolite analysis: paracetamol metabolites in human urine. <i>Analyst</i> , The, 1998, 123, 2835-2837.	3.5	53
115	Multiple hyphenation of liquid chromatography with nuclear magnetic resonance spectroscopy, mass spectrometry and beyond. <i>Journal of Chromatography A</i> , 2000, 892, 315-327.	3.7	53
116	The application of microbore UPLC/oa-TOF-MS and ¹ H 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.	2.8	53
117	Heteronuclear ¹⁹ F- ¹ H Statistical Total Correlation Spectroscopy as a Tool in Drug Metabolism: a Study of Flucloxacillin Biotransformation. <i>Analytical Chemistry</i> , 2008, 80, 1073-1079.	6.5	53
118	Advances in liquid chromatography coupled to mass spectrometry for metabolic phenotyping. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 181-191.	11.4	53
119	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.	5.4	53
120	On-flow identification of metabolites of paracetamol from human urine using directly coupled CZE-NMR and CEC-NMR spectroscopy. <i>Analytical Communications</i> , 1998, 35, 213-215.	2.2	52
121	Comparison of extraction of a β -blocker from plasma onto a molecularly imprinted polymer with liquid-liquid extraction and solid phase extraction methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 1231-1239.	2.8	52
122	Metabolic profiling of human urine by CE-MS using a positively charged capillary coating and comparison with UPLC-MS. <i>Molecular BioSystems</i> , 2011, 7, 194-199.	2.9	52
123	Diclofenac metabolism in the mouse: Novel <i>in vivo</i> metabolites identified by high performance liquid chromatography coupled to linear ion trap mass spectrometry. <i>Xenobiotica</i> , 2012, 42, 179-194.	1.1	52
124	Analysis of a ginger extract by high-performance liquid chromatography coupled to nuclear magnetic resonance spectroscopy using superheated deuterium oxide as the mobile phase. <i>Journal of Chromatography A</i> , 2003, 991, 143-150.	3.7	51
125	High-Performance Liquid Chromatography Linked to Inductively Coupled Plasma Mass Spectrometry and Orthogonal Acceleration Time-of-Flight Mass Spectrometry for the Simultaneous Detection and Identification of Metabolites of 2-Bromo-4- trifluoromethyl-[¹³ C]-acetanilide in Rat Urine. <i>Analytical Chemistry</i> , 2001, 73, 1491-1494.	6.5	50
126	Spectroscopic characterisation and identification of ecdysteroids using high-performance liquid chromatography combined with on-line UV-diode array, FT-infrared and ¹ H-nuclear magnetic resonance spectroscopy and time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 910, 237-246.	3.7	50

#	ARTICLE	IF	CITATIONS
127	An approach to enhancing coverage of the urinary metabolome using liquid chromatography-ion mobility mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 871, 357-361.	2.3	49
128	Identification of the Positional Isomers of 2-Fluorobenzoic acid 1-O-Acyl Glucuronide by Directly Coupled HPLC-NMR. <i>Analytical Chemistry</i> , 1995, 67, 3401-3404.	6.5	48
129	Quantitative studies on the urinary metabolic fate of 2-chloro-4-trifluoromethylaniline in the rat using ¹⁹ F-NMR spectroscopy and directly coupled HPLCNMR-MS. <i>Xenobiotica</i> , 1999, 29, 77-91.	1.1	48
130	PH dependent formation of β -glucuronidase resistant conjugates from the biosynthetic ester glucuronide of isoxepac. <i>Biochemical Pharmacology</i> , 1981, 30, 3381-3384.	4.4	47
131	Solid phase extraction chromatography and NMR spectroscopy (SPEC-NMR) for the rapid identification of drug metabolites in urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1988, 6, 151-165.	2.8	47
132	Optimisation of procedures for the extraction of structural analogues of propranolol with molecular imprinted polymers for sample preparation. <i>Journal of Chromatography A</i> , 2000, 889, 143-147.	3.7	47
133	A Comparison of the Quantitative Methods for the Analysis of the Platinum-Containing Anticancer Drug {cis-[Amminedichloro(2-methylpyridine)]- platinum(II)} (ZD0473) by HPLC Coupled to Either a Triple Quadrupole Mass Spectrometer or an Inductively Coupled Plasma Mass Spectrometer. <i>Analytical Chemistry</i> , 2003, 75, 1463-1469.	6.5	46
134	750-MHz directly coupled HPLC-NMR: Application for the sequential characterization of the positional isomers and anomers of 2-, 3-, and 4-fluorobenzoic acid glucuronides in equilibrium mixtures. <i>Analytical Chemistry</i> , 1995, 67, 4441-4445.	6.5	45
135	NMR Spectroscopic Studies on the in Vitro Acyl Glucuronide Migration Kinetics of Ibuprofen ((\pm)-(R,S)-2-(4-Isobutylphenyl) Propanoic Acid), Its Metabolites, and Analogues. <i>Analytical Chemistry</i> , 2007, 79, 8720-8727.	6.5	45
136	Methodological considerations in the development of HPLC-MS methods for the analysis of rodent plasma for metabolomic studies. <i>Molecular BioSystems</i> , 2009, 6, 108-120.	2.9	45
137	Metabolite profiles from dried blood spots for metabolomic studies using UPLC combined with orthogonal acceleration ToF-MS: effects of different papers and sample storage stability. <i>Bioanalysis</i> , 2011, 3, 2757-2767.	1.5	45
138	Quantitative structure-metabolism relationships for substituted benzoic acids in the rat. <i>Biochemical Pharmacology</i> , 1992, 44, 1935-1946.	4.4	44
139	Methodology for assessing the properties of molecular imprinted polymers for solid phase extraction. <i>Analyst</i> , The, 1999, 124, 467-471.	3.5	44
140	Hype and hypernation: multiple hyphenation of column liquid chromatography and spectroscopy. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 847-854.	11.4	44
141	Direct analysis of pharmaceutical formulations from nonbonded reversed-phase thinlayer chromatography plates by desorption electrospray ionisation ion mobility mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2597-2604.	1.5	44
142	Medical student wellbeing – a consensus statement from Australia and New Zealand. <i>BMC Medical Education</i> , 2019, 19, 69.	2.4	44
143	Reference materials for MS-based untargeted metabolomics and lipidomics: a review by the metabolomics quality assurance and quality control consortium (mQACC). <i>Metabolomics</i> , 2022, 18, 24.	3.0	43
144	High-performance liquid chromatography and inductively coupled plasma mass spectrometry (HPLC-ICP-MS) for the analysis of xenobiotic metabolites in rat urine: application to the metabolites of 4-bromoaniline. <i>Analyst</i> , The, 2000, 125, 235-236.	3.5	42

#	ARTICLE	IF	CITATIONS
145	A metabonomic study of strain- and age-related differences in the Zucker rat. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2039-2045.	1.5	42
146	Measurement of Internal Acyl Migration Reaction Kinetics Using Directly Coupled HPLC-NMR: Application for the Positional Isomers of Synthetic (2-Fluorobenzoyl)-d-glucopyranuronic Acid. <i>Analytical Chemistry</i> , 1996, 68, 2564-2572.	6.5	41
147	Systems biology tools for toxicology. <i>Archives of Toxicology</i> , 2012, 86, 1251-1271.	4.2	41
148	Ultra high resolution SFC-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.	2.3	41
149	The use of C18 bonded silica in the solid phase extraction of basic drugs – possible role for ionic interactions with residual silanols. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1987, 5, 723-727.	2.8	40
150	¹ H and ² H NMR spectroscopic studies on the metabolism and biochemical effects of 2-bromoethanamine in the rat. <i>Biochemical Pharmacology</i> , 1995, 49, 1349-1359.	4.4	40
151	750 MHz HPLC-NMR Spectroscopic Studies on the Separation and Characterization of the Positional Isomers of the Glucuronides of 6,11-Dihydro-11-oxodibenz[b,e]oxepin-2-acetic Acid. <i>Analytical Chemistry</i> , 1996, 68, 106-110.	6.5	40
152	Temperature as a variable in liquid chromatography: Development and application of a model for the separation of model drugs using water as the eluent. <i>Journal of Chromatography A</i> , 2006, 1132, 206-210.	3.7	40
153	Nuclear Magnetic Resonance and High-Performance Liquid Chromatography-Nuclear Magnetic Resonance Studies on the Toxicity and Metabolism of Ifosfamide. <i>Therapeutic Drug Monitoring</i> , 1996, 18, 498-505.	2.0	40
154	Age and Microenvironment Outweigh Genetic Influence on the Zucker Rat Microbiome. <i>PLoS ONE</i> , 2014, 9, e100916.	2.5	40
155	Development of a Rapid Microbore Metabolic Profiling Ultraperformance Liquid Chromatography-Mass Spectrometry Approach for High-Throughput Phenotyping Studies. <i>Analytical Chemistry</i> , 2016, 88, 5742-5751.	6.5	39
156	¹⁹ F and ¹ H magnetic resonance strategies for metabolic studies on fluorinated xenobiotics: Application to flurbiprofen [2-(2-fluoro-4-biphenyl)propionic acid]. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990, 8, 401-410.	2.8	38
157	Size-exclusion chromatography with on-line ultraviolet, proton nuclear magnetic resonance and mass spectrometric detection and on-line collection for off-line Fourier transform infrared spectroscopy. <i>Journal of Chromatography A</i> , 1999, 857, 89-96.	3.7	38
158	Superheated water chromatography-nuclear magnetic resonance spectroscopy and mass spectrometry of vitamins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 477-482.	2.8	38
159	Application of turbulent flow chromatography to the metabonomic analysis of human plasma: Comparison with protein precipitation. <i>Journal of Separation Science</i> , 2010, 33, 1472-1479.	2.5	38
160	Utility of spatially-resolved atmospheric pressure surface sampling and ionization techniques as alternatives to mass spectrometric imaging (MSI) in drug metabolism. <i>Xenobiotica</i> , 2011, 41, 720-734.	1.1	38
161	Anionic metabolic profiling of urine from antibiotic-treated rats by capillary electrophoresis-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2585-2594.	3.7	38
162	Photo-isomerization of azadirachtin studied by high performance liquid chromatography coupled to high field proton NMR spectroscopy. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 1499.	0.9	37

#	ARTICLE	IF	CITATIONS
163	Direct Characterization of Drug Glucuronide Isomers in Human Urine by HPLC-NMR Spectroscopy: Application to the Positional Isomers of 6,11-Dihydro-11-oxodibenz[b,e]oxepin-2-acetic Acid Glucuronide. <i>Analytical Chemistry</i> , 1996, 68, 2832-2837.	6.5	37
164	NMR Spectroscopic and Theoretical Chemistry Studies on the Internal Acyl Migration Reactions of the 1-O-Acyl- ¹² -d-glucopyranuronate Conjugates of 2-, 3-, and 4-(Trifluoromethyl)benzoic Acids. <i>Chemical Research in Toxicology</i> , 1996, 9, 1414-1424.	3.3	37
165	Nuclear magnetic resonance (NMR) and quantitative structure-activity relationship (QSAR) studies on the transacylation reactivity of model ¹² -O-acyl glucuronides. II: QSAR modelling of the reaction using both computational and experimental NMR parameters. <i>Xenobiotica</i> , 2004, 34, 889-900.	1.1	36
166	Investigation of the human metabolism of antipyrine using coupled liquid chromatography and nuclear magnetic resonance spectroscopy of urine. <i>Biomedical Applications</i> , 1993, 617, 324-328.	1.7	35
167	Superheated deuterium oxide reversed-phase chromatography coupled to proton nuclear magnetic resonance spectroscopy. <i>Analytical Communications</i> , 1998, 35, 261-263.	2.2	35
168	Selective deuterium exchange during superheated heavy water chromatography-nuclear magnetic resonance spectroscopy-mass spectrometry of sulfonamides. <i>Journal of Chromatography A</i> , 2000, 886, 289-295.	3.7	35
169	Profiling and biomarker identification in plasma from different Zucker rat strains via high mass accuracy multistage mass spectrometric analysis using liquid chromatography/mass spectrometry with a quadrupole ion trap-time of flight mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2547-2554.	1.5	35
170	Targeted Metabolic Profiling of the Tg197 Mouse Model Reveals Itaconic Acid as a Marker of Rheumatoid Arthritis. <i>Journal of Proteome Research</i> , 2016, 15, 4579-4590.	3.7	35
171	A Two-Way Interaction between Methotrexate and the Gut Microbiota of Male Sprague-Dawley Rats. <i>Journal of Proteome Research</i> , 2020, 19, 3326-3339.	3.7	35
172	Liquid chromatography coupled with high-field proton NMR for profiling human urine for endogenous compounds and drug metabolites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1992, 10, 601-605.	2.8	34
173	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.	1.3	34
174	Multiscale modelling approach combining a kinetic model of glutathione metabolism with PBPK models of paracetamol and the potential glutathione-depletion biomarkers ophthalmic acid and 5-oxoproline in humans and rats. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 877-888.	1.3	34
175	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.	3.7	34
176	High resolution NMR spectroscopic studies on the metabolism and futile deacetylation of 4-hydroxyacetanilide (paracetamol) in the rat. <i>Biochemical Pharmacology</i> , 1995, 49, 1155-1164.	4.4	33
177	Application of Directly Coupled HPLC-NMR-MS/MS to the Identification of Metabolites of 5-Trifluoromethylpyridone (2-Hydroxy-5-trifluoromethylpyridine) in Hydroponically Grown Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 42-46.	5.2	33
178	Sensitive sulphur-specific detection of omeprazole metabolites in rat urine by high-performance liquid chromatography/inductively coupled plasma mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 181-183.	1.5	33
179	HPLC-MS/MS methods for the quantitative analysis of 5-oxoproline (pyroglutamate) in rat plasma and hepatic cell line culture medium. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 655-663.	2.8	33
180	High-Throughput Microbore UPLC-MS Metabolic Phenotyping of Urine for Large-Scale Epidemiology Studies. <i>Journal of Proteome Research</i> , 2015, 14, 2714-2721.	3.7	33

#	ARTICLE	IF	CITATIONS
181	A rapid method for the isolation and identification of drug metabolites from human urine using solid phase extraction and proton NMR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1986, 4, 663-665.	2.8	32
182	High temperature reversed-phase HPLC using deuterium oxide as a mobile phase for the separation of model pharmaceuticals with multiple on-line spectroscopic analysis (UV, IR, ¹ H-NMR and MS). <i>Analyst</i> , The, 2001, 126, 1625-1629.	3.5	32
183	Kinetic and J-Resolved Statistical Total Correlation NMR Spectroscopy Approaches to Structural Information Recovery in Complex Reacting Mixtures: Application to Acyl Glucuronide Intramolecular Transacylation Reactions. <i>Analytical Chemistry</i> , 2008, 80, 4886-4895.	6.5	32
184	Evaluation of the pharmacokinetics, biotransformation and hepatic transporter effects of troglitazone in mice with humanized livers. <i>Xenobiotica</i> , 2012, 42, 503-517.	1.1	32
185	Identification of phenacetin metabolites in human urine after administration of phenacetin-C ² H ₃ : Measurement of futile metabolic deacetylation via HPLC/MS-SPE-NMR and HPLC-ToF MS. <i>Xenobiotica</i> , 2006, 36, 615-629.	1.1	31
186	Packed column supercritical-fluid chromatography and linked super-critical-fluid chromatography-mass spectrometry for the analysis of phytoecdysteroids from <i>Silene nutans</i> and <i>Silene otites</i> . <i>Journal of Chromatography A</i> , 1989, 467, 292-298.	3.7	30
187	Characterisation of C18-bonded silicas for solid-phase extraction by solid-state NMR spectroscopy. <i>Journal of Chromatography A</i> , 1994, 665, 253-258.	3.7	30
188	Reversed-Phase High-Performance Liquid Chromatography Combined with On-Line UV Diode Array, FT Infrared, and ¹ H Nuclear Magnetic Resonance Spectroscopy and Time-of-Flight Mass Spectrometry: Application to a Mixture of Nonsteroidal Antiinflammatory Drugs. <i>Analytical Chemistry</i> , 2000, 72, 3922-3926.	6.5	30
189	Metabolism of 3-chloro-4-fluoroaniline in rat using [¹⁴ C]-radiolabelling, ¹⁹ F-NMR spectroscopy, HPLC-MS/MS, HPLC-ICPMS and HPLC-NMR. <i>Xenobiotica</i> , 2006, 36, 59-77.	1.1	30
190	Quantitation in gradient high performance liquid chromatography/inductively coupled mass spectrometry investigated using diclofenac and chlorpromazine. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 245-247.	1.5	28
191	Differential Effect of Troglitazone on the Human Bile Acid Transporters, MRP2 and BSEP, in the PXB Hepatic Chimeric Mouse. <i>Toxicologic Pathology</i> , 2012, 40, 1106-1116.	1.8	28
192	Glutathione metabolism modeling: A mechanism for liver drug-robustness and a new biomarker strategy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4943-4959.	2.4	28
193	Quality Control and Validation Issues in LC-MS Metabolomics. <i>Methods in Molecular Biology</i> , 2018, 1738, 15-26.	0.9	28
194	Dysregulation of the Lysophosphatidylcholine/Autotaxin/Lysophosphatidic Acid Axis in Acute to Chronic Liver Failure Is Associated With Mortality and Systemic Inflammation by Lysophosphatidic Acid-Dependent Monocyte Activation. <i>Hepatology</i> , 2021, 74, 907-925.	7.3	28
195	Determination of two COX-2 inhibitors in serum and synovial fluid of patients with inflammatory arthritis by ultra performance liquid chromatography-inductively coupled plasma mass spectrometry and quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 579-586.	2.8	27
196	A workflow for the metabolomic/metabonomic investigation of exhaled breath using thermal desorption GC-MS. <i>Bioanalysis</i> , 2012, 4, 2227-2237.	1.5	27
197	Thin layer chromatography/mass spectrometry: The advantages of tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 608-615.	1.5	26
198	Integrated HPLC-MS and ¹ H-NMR spectroscopic studies on acyl migration reaction kinetics of model drug ester glucuronides. <i>Xenobiotica</i> , 2010, 40, 9-23.	1.1	26

#	ARTICLE	IF	CITATIONS
199	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.	3.7	26
200	Signs of current suicidality in men: A systematic review. <i>PLoS ONE</i> , 2017, 12, e0174675.	2.5	26
201	Supercritical fluid chromatography of ecdysteroids. <i>Journal of Chromatography A</i> , 1988, 436, 497-502.	3.7	25
202	High-performance liquid chromatography directly coupled to 19F and 1H NMR for the analysis of mixtures of isomeric ester glucuronide conjugates of trifluoromethylbenzoic acids. <i>Journal of Chromatography A</i> , 1996, 728, 377-385.	3.7	25
203	NMR and HPLC-NMR spectroscopic studies of futile deacetylation in paracetamol metabolites in rat and man. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 15, 901-910.	2.8	25
204	High resolution 1H NMR spectroscopic studies of the composition of the haemolymph of crowd- and solitary-reared nymphs of the desert locust, <i>Schistocerca gregaria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2001, 32, 51-56.	2.7	25
205	High-performance liquid chromatography/inductively coupled plasma mass spectrometry and tandem mass spectrometry for the detection of carbon-containing compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1487-1492.	1.5	25
206	Synthesis, transacylation kinetics and computational chemistry of a set of arylacetic acid 1 ¹ 2-O-acyl glucuronides. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2525.	2.8	25
207	Application of Directly Coupled High-performance Liquid Chromatography- ¹³ C-Nuclear Magnetic Resonance-Mass Spectrometry to the Detection and Characterisation of the Metabolites of 2-Bromo-4-trifluoromethylaniline in Rat Urine. <i>Analytical Communications</i> , 1997, 34, 37-39.	2.2	24
208	Detection and identification of morphine in urine extracts using thin-layer chromatography and tandem mass spectrometry. <i>Biomedical Applications</i> , 1999, 729, 341-346.	1.7	24
209	High-performance liquid chromatography-UV diode array, inductively coupled plasma mass spectrometry (ICMPS) and orthogonal acceleration time-of-flight mass spectrometry (oa-TOFMS) applied to the simultaneous detection and identification of metabolites of 4-bromoaniline in rat urine. <i>Chromatographia</i> , 2002, 55, S9-S13.	1.3	24
210	Application of 1 H NMR spectroscopy to the metabolic phenotyping of rodent brain extracts: A metabonomic study of gut microbial influence on host brain metabolism. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 141-146.	2.8	24
211	NMR and QSAR studies on the transacylation reactivity of model 1 ¹ 2-O-acyl glucuronides. I: design, synthesis and degradation rate measurement. <i>Xenobiotica</i> , 2004, 34, 73-85.	1.1	23
212	A mathematical modelling approach to assessing the reliability of biomarkers of glutathione metabolism. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 233-243.	4.0	23
213	Comparative metabonomic analysis of hepatotoxicity induced by acetaminophen and its less toxic meta-isomer. <i>Archives of Toxicology</i> , 2016, 90, 3073-3085.	4.2	23
214	Medical student attitudes towards older people: a critical review of quantitative measures. <i>BMC Research Notes</i> , 2018, 11, 71.	1.4	23
215	Application of Capillary Electrophoresis- ¹³ C-Mass Spectrometry to the Analysis of Urine Samples From Animals and Man Containing Paracetamol and Phenacetin and Their Metabolites. <i>Analytical Communications</i> , 1997, 34, 41-44.	2.2	22
216	Analysis of a [14C]-labelled platinum anticancer compound in dosing formulations and urine using a combination of HPLC-ICPMS and flow scintillation counting. <i>Chromatographia</i> , 2002, 55, S151-S155.	1.3	22

#	ARTICLE	IF	CITATIONS
217	Flow injection analysis with multiple on-line spectroscopic analysis (UV, IR, 1H-NMR and MS). Journal of Pharmaceutical and Biomedical Analysis, 2002, 27, 191-200.	2.8	22
218	Investigation of chronic alcohol consumption in rodents via ultra-high-performance liquid chromatography-mass spectrometry based metabolite profiling. Journal of Chromatography A, 2012, 1259, 128-137.	3.7	22
219	Telephone Crisis Support Workers' Psychological Distress and Impairment. Crisis, 2018, 39, 13-26.	1.2	22
220	Derivatized Î²-cyclodextrins combined with high field NMR for enantiomer analysis: application to ICI		

#	ARTICLE	IF	CITATIONS
235	Development of a simple liquid chromatographic method for the separation of mixtures of positional isomers and anomers of synthetic 2-, 3- and 4-fluorobenzoic acid glucuronides formed via acyl migration reactions. <i>Biomedical Applications</i> , 1996, 685, 113-122.	1.7	19
236	Directly-coupled HPLC-NMR spectroscopic studies of metabolism and futile deacetylation of phenacetin in the rat. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 20, 865-873.	2.8	19
237	Patterns of Signs That Telephone Crisis Support Workers Associate with Suicide Risk in Telephone Crisis Line Callers. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 235.	2.6	19
238	Title is missing!. <i>ScienceAsia</i> , 2008, 34, 279.	0.5	19
239	Identification of non-steroidal anti-inflammatory drugs and their metabolites in solid phase extracts of human urine using capillary electrophoresis-mass spectrometry. <i>Analytical Proceedings</i> , 1995, 32, 459-462.	0.4	18
240	Global metabolic profiling for the study of alcohol-related disorders. <i>Bioanalysis</i> , 2014, 6, 59-77.	1.5	18
241	Dissecting the reaction of Phase II metabolites of ibuprofen and other NSAIDs with human plasma protein. <i>Chemical Science</i> , 2014, 5, 3789-3794.	7.4	18
242	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.	1.5	17
243	Pharmacokinetics and metabolism of midazolam in chimeric mice with humanised livers. <i>Xenobiotica</i> , 2012, 42, 1128-1137.	1.1	17
244	The use of graphitized carbon black in solid phase extraction: Comparison with C18 bonded silica gel. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1989, 7, 1077-1086.	2.8	16
245	High-performance liquid chromatography/inductively coupled plasma mass spectrometry with iodine-specific detection for profiling the metabolites produced in the earthworm <i>Eisenia veneta</i> by exposure to 2-fluoro-4-iodoaniline. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1855-1858.	1.5	16
246	Investigation of the metabolic fate of 2-, 3- and 4-bromobenzoic acids in bile-duct-cannulated rats by inductively coupled plasma mass spectrometry and high-performance liquid chromatography/inductively coupled plasma mass spectrometry/electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 519-524.	1.5	16
247	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.	1.5	16
248	Troglitazone metabolism and transporter effects in chimeric mice: a comparison between chimeric humanized and chimeric murinized FRG mice. <i>Xenobiotica</i> , 2014, 44, 186-195.	1.1	16
249	β -hydroxybutyrate: a urinary marker of imipenem induced nephrotoxicity in the cynomolgus monkey detected by high field ^1H NMR spectroscopy. <i>Biochemical Pharmacology</i> , 1991, 41, 2045-2049.	4.4	15
250	The chromatographic properties of a mixed-bed stationary phase combining reversed-phase and strong anion exchange properties. <i>Chromatographia</i> , 1993, 37, 60-64.	1.3	15
251	Practical aspects of the use of high performance liquid chromatography combined with simultaneous nuclear magnetic resonance and mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 1732-1736.	1.5	15
252	Insect Hormones and Insect Chemical Ecology. , 1999, , 263-375.		15

#	ARTICLE	IF	CITATIONS
253	Investigation of the metabolism of ¹⁴ C/ ¹³ C-practolol in rat using directly coupled radio-HPLC-NMR-MS. <i>Xenobiotica</i> , 2000, 30, 717-729.	1.1	15
254	Quantification of the In Vitro and In Vivo Metabolic Fates of 2-, 3- and 4-Bromobenzoic Acids Using High Temperature LC Coupled to ICP-MS and Linear Ion Trap MS. <i>Chromatographia</i> , 2008, 67, 673-678.	1.3	15
255	Solid phase extraction methodology for UPLC-MS based metabolic profiling of urine samples. <i>Electrophoresis</i> , 2015, 36, 2170-2178.	2.4	15
256	An integrated ceramic, micro-fluidic device for the LC/MS/MS analysis of pharmaceuticals in plasma. <i>Analyst</i> , 2015, 140, 5546-5556.	3.5	15
257	Metabolic Hydrolysis of Aromatic Amides in Selected Rat, Minipig, and Human In Vitro Systems. <i>Scientific Reports</i> , 2018, 8, 2405.	3.3	15
258	High-Performance Liquid Chromatography-Mass Spectrometry (HPLC-MS)-Based Drug Metabolite Profiling. <i>Methods in Molecular Biology</i> , 2011, 708, 173-190.	0.9	15
259	Is Current Practice Adhering to Guidelines Proposed for Metabolite Identification in LC-MS Untargeted Metabolomics? A Meta-Analysis of the Literature. <i>Journal of Proteome Research</i> , 2022, 21, 590-598.	3.7	15
260	NMR-monitored solid-phase extraction of phenolphthalein glucuronide on phenylboronic acid and C18 bonded phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1991, 9, 895-899.	2.8	14
261	Hyphenated methods. <i>Analytical Proceedings</i> , 1993, 30, 390.	0.4	14
262	Improvement in the characterization of minor drug metabolites from HPLC-NMR studies through the use of quantified maximum entropy processing of NMR spectra. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 419-424.	2.8	14
263	NMR spectroscopic studies on the metabolism and futile deacetylation of phenacetin in the rat. <i>Xenobiotica</i> , 1997, 27, 1175-1186.	1.1	14
264	Reversed-phase HPLC of polymer additives with multiple on-line spectroscopic analysis (UV, IR, ¹ H NMR) Tj ETQq0 Q,0 rgBT /Overlock 10	3.7	14
265	A perspective on the standards describing mass spectrometry-based metabolic phenotyping (metabolomics/metabonomics) studies in publications. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1164, 122515.	2.3	14
266	Quantification of endogenous aminoacids and aminoacid derivatives in urine by hydrophilic interaction liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1642, 462005.	3.7	14
267	Assignment of the 750 MHz ¹ H NMR resonances from a mixture of transacylated ester glucuronic acid conjugates with the aid of oversampling and digital filtering during acquisition. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 971-977.	2.8	13
268	Size exclusion chromatography with UV detection coupled to on-line ¹ H-NMR and on-line collection via a dedicated interface for subsequent off-line FT-IR. <i>Analytical Communications</i> , 1999, 36, 85-87.	2.2	13
269	Structure-metabolism relationships of substituted anilines: prediction of N-acetylation and N-oxanilic acid formation using computational chemistry. <i>Xenobiotica</i> , 2002, 32, 267-277.	1.1	13
270	Probing Molecular Dynamics in Chromatographic Systems Using High-Resolution ¹ H Magic-Angle-Spinning NMR Spectroscopy: A Interaction between p-Xylene and C18-Bonded Silica. <i>Analytical Chemistry</i> , 2004, 76, 3023-3028.	6.5	13

#	ARTICLE	IF	CITATIONS
271	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.	1.5	13
272	A new approach to aid the characterisation and identification of metabolites of a model drug; partial isotope enrichment combined with novel formula elucidation software. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 219-227.	1.5	13
273	High-performance liquid chromatography/mass spectrometric and proton nuclear magnetic resonance spectroscopic studies of the transacylation and hydrolysis of the acyl glucuronides of a series of phenylacetic acids in buffer and human plasma. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3043-3051.	1.5	13
274	A novel LC-MS approach for the detection of metabolites in DMPK studies. <i>Bioanalysis</i> , 2010, 2, 1767-1778.	1.5	13
275	The New Data Quality Task Group (DQTG): ensuring high quality data today and in the future. <i>Metabolomics</i> , 2014, 10, 539-540.	3.0	13
276	Metabolism by conjugation appears to confer resistance to paracetamol (acetaminophen) hepatotoxicity in the cynomolgus monkey. <i>Xenobiotica</i> , 2015, 45, 270-277.	1.1	13
277	Metabolism and Effects on Endogenous Metabolism of Paracetamol (Acetaminophen) in a Porcine Model of Liver Failure. <i>Toxicological Sciences</i> , 2020, 175, 87-97.	3.1	13
278	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.	6.5	13
279	Identification and quantification of metabolites of 2,3,5,6-tetrafluoro-4-trifluoromethylaniline in rat urine using ¹⁹ F nuclear magnetic resonance spectroscopy, high-performance liquid chromatography-nuclear magnetic resonance spectroscopy and high-performance liquid chromatography-mass spectrometry. <i>Biomedical Applications</i> , 2000, 748, 311-319.	1.7	12
280	The metabolism of 2-trifluoromethylaniline and its acetanilide in the rat by ¹⁹ F NMR monitored enzyme hydrolysis and ¹ H/ ¹⁹ F HPLC-NMR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 30, 1561-1574.	2.8	12
281	Superheated water chromatography-nuclear magnetic resonance spectroscopy of kava lactones. <i>Phytochemical Analysis</i> , 2005, 16, 217-221.	2.4	12
282	Changing medical student attitudes to patient safety: a multicentre study. <i>BMC Medical Education</i> , 2018, 18, 205.	2.4	12
283	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.	1.3	12
284	Investigation of the quantitative metabolic fate and urinary excretion of 3-methyl-4-trifluoromethylaniline and 3-methyl-4-trifluoromethylacetanilide in the rat. <i>Drug Metabolism and Disposition</i> , 1999, 27, 1171-8.	3.3	12
285	An investigation of the effects of carbon loading and endcapping on the solid-phase extraction of β -blockers onto C18 bonded silica gel. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 671-677.	2.8	11
286	Micellar capillary electrophoresis of the ecdysteroids. <i>Chromatographia</i> , 1993, 37, 37-42.	1.3	11
287	Solid state NMR and extraction studies on α -phenyl-bonded stationary phases used for solid phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 1305-1312.	2.8	11
288	Peer Reviewed: Advancing Hyphenated Chromatographic Systems.. <i>Analytical Chemistry</i> , 2000, 72, 534 A-542 A.	6.5	11

#	ARTICLE	IF	CITATIONS
289	Characterisation of putative pentose-containing conjugates as minor metabolites of 4-bromoaniline present in the urine of rats following intraperitoneal administration. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 76-80.	1.5	11
290	An Early Description of Paper Chromatography?. <i>Chromatographia</i> , 2004, 60, .	1.3	11
291	Hydrophilic interaction chromatographyâ€“mass spectrometry for anionic metabolic profiling of urine from antibiotic-treated rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 92, 98-104.	2.8	11
292	Advances in Mass Spectrometry Within Drug Discovery. <i>Journal of Biomolecular Screening</i> , 2016, 21, 109-110.	2.6	11
293	The pharmacokinetics and metabolism of lumiracoxib in chimeric humanized and murinized FRG mice. <i>Biochemical Pharmacology</i> , 2017, 135, 139-150.	4.4	11
294	Stability in metabolic phenotypes and inferred metagenome profiles before the onset of colitis-induced inflammation. <i>Scientific Reports</i> , 2017, 7, 8836.	3.3	11
295	The metabolic fate of fenclozic acid in chimeric mice with a humanized liver. <i>Archives of Toxicology</i> , 2018, 92, 2819-2828.	4.2	11
296	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.	3.7	11
297	Metabolic Phenotyping Study of Mouse Brains Following Acute or Chronic Exposures to Ethanol. <i>Journal of Proteome Research</i> , 2020, 19, 4071-4081.	3.7	11
298	Ultra high-performance liquid chromatography method development for separation of formoterol, budesonide, and related substances using an analytical quality by design approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 193, 113729.	2.8	11
299	Proton nuclear magnetic resonance of urine and bile from paracetamol dosed rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990, 8, 969-973.	2.8	10
300	¹ H-NMR Spectroscopy as a Means of Monitoring Nephrotoxicity as Exemplified by Studies with Cephaloridine. <i>Human and Experimental Toxicology</i> , 1992, 11, 35-41.	2.2	10
301	Advances in capillary electrophoresis. Micellar capillary electrophoresis of ecdysteroids. <i>Analytical Proceedings</i> , 1992, 29, 386.	0.4	10
302	Effect of Carbon Loading on the Extraction Properties of C-18 Bonded Silica Used for Solid-Phase Extraction of Acidic and Basic Analytes. <i>Analytical Chemistry</i> , 1997, 69, 2972-2975.	6.5	10
303	Integration of microfluidic LC with HRMS for the analysis of analytes in biofluids: past, present and future. <i>Bioanalysis</i> , 2015, 7, 1397-1411.	1.5	10
304	High-Throughput UHPLC/MS/MS-Based Metabolic Profiling Using a Vacuum Jacketed Column. <i>Analytical Chemistry</i> , 2021, 93, 10644-10652.	6.5	10
305	Isotopic enrichment enhancement in metabonomic analysis of UPLCâ€“MS data sets. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007, 50, 303-307.	1.0	9
306	Application of High Temperature LC to the Separation of AZD5438 (4-(1-isopropyl-2-methyl-1H-imidazol-5-yl)-N-[4-(methylsulfonyl)phenyl]pyrimidin-2-amine) and Its Metabolites: Comparison of LC, UPLC and HTLC. <i>Chromatographia</i> , 2009, 70, 37-44.	1.3	9

#	ARTICLE	IF	CITATIONS
307	The metabolic fate of [¹⁴ C]-fenclozic acid in the hepatic reductase null (HRN) mouse. <i>Xenobiotica</i> , 2014, 44, 164-173.	1.1	9
308	The pharmacokinetics and metabolism of diclofenac in chimeric humanized and murinized FRG mice. <i>Archives of Toxicology</i> , 2018, 92, 1953-1967.	4.2	9
309	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.	3.7	9
310	Testing a Model of Functional Impairment in Telephone Crisis Support Workers. <i>Crisis</i> , 2017, 38, 403-412.	1.2	9
311	Use of high-field nuclear magnetic resonance spectroscopy for the analysis of biological fluids. <i>Analytical Proceedings</i> , 1991, 28, 217.	0.4	8
312	Application and elution conditions for the selective elution of analytes from molecular imprinted polymers after extraction from aqueous samples: Application to β -blockers. <i>Chromatographia</i> , 2000, 52, S19-S23.	1.3	8
313	Enhanced Detection of Sulphur and Phospho-rous Containing Compounds in HPLC-Induc-tively Coupled Plasma Mass Spectrometry Using Chemical Resolution via Hexapole-Based Reaction with Oxygen. <i>Chromatographia</i> , 2004, 59, S165.	1.3	8
314	Thermal Gradients for the Control of Elution in RP-LC: Application to the Separation of Model Drugs. <i>Chromatographia</i> , 2007, 66, 831-836.	1.3	8
315	Profiling biological samples using ultra performance liquid chromatographyâ€“inductively coupled plasmaâ€“mass spectrometry (UPLC-ICP-MS) for the determination of phosphorus and sulfur-containing metabolites. <i>Molecular BioSystems</i> , 2011, 7, 1149.	2.9	8
316	Metabolic Profiling: Status, Challenges, and Perspective. <i>Methods in Molecular Biology</i> , 2018, 1738, 3-13.	0.9	8
317	Understanding Australian medical student attitudes towards older people. <i>Australasian Journal on Ageing</i> , 2018, 37, 93-98.	0.9	8
318	The Impact of Caller Gender on Telephone Crisis-Helpline Workersâ€™ Interpretation of Suicidality in Caller Vignettes. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 831.	2.6	8
319	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.	2.3	8
320	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.	1.1	8
321	Improving LC/MS/MS-based bioanalytical method performance and sensitivity via a hybrid surface barrier to mitigate analyte â€“ Metal surface interactions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122825.	2.3	8
322	Application of a hybrid zwitterionic hydrophilic interaction liquid chromatography column in metabolic profiling studies. <i>Journal of Chromatography A</i> , 2022, 1672, 463013.	3.7	8
323	Evaluation of hybrid surface technology for the analysis of the B-group vitamins by LC-ESI-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1204, 123336.	2.3	8
324	Rapid multi-component detection of fluorinated drug metabolites in whole urine from a â€“cassetteâ€™ dose study using high resolution ¹⁹ F NMR spectroscopy. <i>Analytical Communications</i> , 1999, 36, 259-261.	2.2	7

#	ARTICLE	IF	CITATIONS
325	2.7.5. HPLC/NMR and related hyphenated NMR methods. Progress in Pharmaceutical and Biomedical Analysis, 2000, 4, 299-322.	0.1	7
326	Hyphenated techniques for global metabolite profiling. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 871, 141-142.	2.3	7
327	A comparison of the metabolism of midazolam in C57BL/6J and hepatic reductase null (HRN) mice. Biochemical Pharmacology, 2014, 92, 701-711.	4.4	7
328	Identification of a novel human circulating metabolite of tenofovir disoproxil fumarate with LC-MS/MS. Bioanalysis, 2015, 7, 643-652.	1.5	7
329	The impact of their role on telephone crisis support workers' psychological wellbeing and functioning: Quantitative findings from a mixed methods investigation. PLoS ONE, 2018, 13, e0207645.	2.5	7
330	A targeted ultra performance liquid chromatography Tandem mass spectrometric assay for tyrosine and metabolites in urine and plasma: Application to the effects of antibiotics on mice. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1164, 122511.	2.3	7
331	Application of hybrid surface technology for improving sensitivity and peak shape of phosphorylated lipids such as phosphatidic acid and phosphatidylserine. Journal of Chromatography A, 2022, 1669, 462921.	3.7	7
332	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1200, 123265.	2.3	7
333	Detection of mono- and di-hexoses as metabolites of 4-bromoaniline using HPLC-TOF-MS/MS. Xenobiotica, 2003, 33, 855-869.	1.1	6
334	The Modulation of Drug Efficacy and Toxicity by the Gut Microbiome. Molecular and Integrative Toxicology, 2015, , 323-341.	0.5	6
335	Systems toxicology: modelling biomarkers of glutathione homeostasis and paracetamol metabolism. Drug Discovery Today: Technologies, 2015, 15, 9-14.	4.0	6
336	Obesity and Cage Environment Modulate Metabolism in the Zucker Rat: A Multiple Biological Matrix Approach to Characterizing Metabolic Phenomena. Journal of Proteome Research, 2019, 18, 2160-2174.	3.7	6
337	Metabolic Phenotyping Using UPLC-MS and Rapid Microbore UPLC-MS: Determination of the Effect of Different Dietary Regimes on the Urinary Metabolome of the Rat. Chromatographia, 2020, 83, 853-861.	1.3	6
338	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. Journal of Pharmaceutical and Biomedical Analysis, 2021, 200, 114076.	2.8	6
339	The Pharmacokinetics of Gefitinib after Intravenous Administration to Mice: A Preliminary UPLC-MS Study. Metabolites, 2021, 11, 379.	2.9	6
340	Access to the Phospho-proteome via the Mitigation of Peptide-Metal Interactions. Journal of Chromatography A, 2022, 1673, 463024.	3.7	6
341	Boronic esters as derivatives for supercritical fluid chromatography of ecdysteroids. Journal of Chromatography A, 1993, 639, 281-285.	3.7	5
342	Biomedical and Pharmaceutical Applications of HPLC-NMR and HPLC-NMR-MS. , 0, , 45-87.		5

#	ARTICLE	IF	CITATIONS
343	Qualitative research in medical education. <i>Medical Education</i> , 2010, 44, 942-942.	2.1	5
344	Endogenous and xenobiotic metabolite profiling of liver extracts from SCID and chimeric humanized mice following repeated oral administration of troglitazone. <i>Xenobiotica</i> , 2014, 44, 174-185.	1.1	5
345	HPLC-MS Profiling and Structural Identification of [14C]-Diclofenac Metabolites in Mouse Bile. <i>Chromatographia</i> , 2014, 77, 233-239.	1.3	5
346	Hepatic effects of repeated oral administration of diclofenac to hepatic cytochrome P450 reductase null (HRN ^Δ , ϕ) and wild-type mice. <i>Archives of Toxicology</i> , 2016, 90, 853-862.	4.2	5
347	Methods and techniques for metabolic phenotyping. <i>Bioanalysis</i> , 2017, 9, 1-3.	1.5	5
348	Kinetic modelling of acyl glucuronide and glucoside reactivity and development of structure-property relationships. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1389-1401.	2.8	5
349	Application of inductively coupled plasma mass spectrometry and high-performance liquid chromatography with parallel electrospray mass spectrometry to the investigation of the disposition and metabolic fate of 2-, 3- and 4-iodobenzoic acids in the rat. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 809, 279-285.	2.3	5
350	Ion-Pairing Chromatography and Amine Derivatization Provide Complementary Approaches for the Targeted LC-MS Analysis of the Polar Metabolome. <i>Journal of Proteome Research</i> , 2022, 21, 1428-1437.	3.7	5
351	Issues in the safety testing of metabolites. <i>Future Medicinal Chemistry</i> , 2009, 1, 1381-1390.	2.3	4
352	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.	2.3	4
353	A Note on Overpressure Thin-Layer Chromatography of Ecdysteroids. , 1990, , 127-130.		4
354	High Throughput UHPLC-MS-Based Lipidomics Using Vacuum Jacketed Columns. <i>Journal of Proteome Research</i> , 2022, 21, 691-701.	3.7	4
355	Comparison of the properties of a normal and base deactivated bonded silica gel for the solid phase extraction of [14C]-propranolol. <i>Analytical Proceedings</i> , 1995, 32, 179.	0.4	3
356	Combining assessment scores—a variable feast. <i>Medical Teacher</i> , 2008, 30, 428-430.	1.8	3
357	Experiences and views of a brokerage model for primary care for Aboriginal people. <i>Australian Health Review</i> , 2015, 39, 26.	1.1	3
358	The metabolism of 4-bromoaniline in the bile-cannulated rat: application of ICPMS (^{79/81}Br), HPLC-ICPMS & HPLC- α TOFMS. <i>Xenobiotica</i> , 2015, 45, 672-680.	1.1	3
359	The Development of Metabolic Phenotyping—A Historical Perspective. , 2016, , 17-48.		3
360	Acute liver effects, disposition and metabolic fate of [14C]-fenclozic acid following oral administration to normal and bile-cannulated male C57BL/6J mice. <i>Archives of Toxicology</i> , 2017, 91, 2643-2653.	4.2	3

#	ARTICLE	IF	CITATIONS
361	Development of the Australian Ageing Semantic Differential, a new instrument for measuring Australian medical student attitudes towards older people. <i>Australasian Journal on Ageing</i> , 2019, 38, e67-e74.	0.9	3
362	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.	1.5	3
363	Biomedical applications of directly-coupled chromatography-nuclear magnetic resonance (NMR) spectroscopy and mass spectrometry (MS). <i>Handbook of Analytical Separations</i> , 2003, , 293-329.	0.8	2
364	Seasonal production of moulting hormone in the barnacle <i>Semibalanus balanoides</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 321, 125-134.	1.5	2
365	Metabolism of [14C]-5-chloro-1,3-benzodioxol-4-amine in male Wistar-derived rats following intraperitoneal administration. <i>Xenobiotica</i> , 2007, 37, 44-58.	1.1	2
366	Liquid Chromatographic Methods Combined with Mass Spectrometry in Metabolomics. , 2013, , 145-161.		2
367	Liquid Chromatographic Techniques in Metabolomics. <i>RSC Chromatography Monographs</i> , 2013, , 64-86.	0.1	2
368	The Role of Mass Spectrometry in Nontargeted Metabolomics. <i>Comprehensive Analytical Chemistry</i> , 2014, , 213-233.	1.3	2
369	The metabolic fate and effects of 2-Bromophenol in male Sprague-Dawley rats. <i>Xenobiotica</i> , 2019, 49, 1352-1359.	1.1	2
370	An Overview of Metabolic Phenotyping and Its Role in Systems Biology. , 2019, , 1-51.		2
371	Liquid chromatographic methods combined with mass spectrometry in metabolomics. , 2020, , 149-169.		2
372	UHPLC-MS-Based Lipidomic and Metabonomic Investigation of the Metabolic Phenotypes of Wild Type and Hepatic CYP Reductase Null (HRN) Mice. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113318.	2.8	2
373	State-of-the-art in LC-MS Approaches for Probing the Polar Metabolome. <i>New Developments in Mass Spectrometry</i> , 2021, , 1-26.	0.2	2
374	Examination of Conditions in Supercritical Fluid Chromatography for Analysis of Ecdysteroids. , 1990, , 95-102.		2
375	Telephone Crisis Support Workers' Intentions to Use Recommended Skills While Experiencing Functional Impairment. <i>Crisis</i> , 2018, 39, 218-223.	1.2	2
376	The chemical control of arthropod moulting. <i>Pest Management Science</i> , 1978, 9, 272-277.	0.4	1
377	Revised method of proton NMR urinalysis for detecting inborn errors of metabolism: a critique.. <i>Clinical Chemistry</i> , 1988, 34, 213-215.	3.2	1
378	Metabolic Profiling Approaches for Biomarkers of Ethanol Intake. , 2016, , 213-222.		1

#	ARTICLE	IF	CITATIONS
379	Improved hepatic physiology in hepatic cytochrome P450 reductase null (HRN ^{Δc}) mice dosed orally with fenclozic acid. <i>Toxicology Research</i> , 2017, 6, 81-88.	2.1	1
380	Lumiracoxib metabolism in male C57bl/6J mice: characterisation of novel <i>in vivo</i> metabolites. <i>Xenobiotica</i> , 2017, 47, 538-546.	1.1	1
381	Metabolomics: An Analytical Perspective. , 2018, , 82-82.		1
382	Proteomic consequences of the deletion of cytochrome P450 (CYP450) reductase in mice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1179, 122803.	2.3	1
383	Chapter 12. Metabonomics and Global Systems Biology. <i>RSC Biomolecular Sciences</i> , 2007, , 295-316.	0.4	1
384	Revised method of proton NMR urinalysis for detecting inborn errors of metabolism: a critique. <i>Clinical Chemistry</i> , 1988, 34, 213-5.	3.2	1
385	Biomedical and pharmaceutical chemistry. <i>Analytical Proceedings</i> , 1991, 28, 177.	0.4	0
386	Chapter 20 Drugs. <i>Journal of Chromatography Library</i> , 2004, , 945-985.	0.1	0
387	Metabonomics in the Pharmaceutical Industry. , 2005, , 337-348.		0
388	Chapter 14. Application of UHPLC-MS to Metabolomic/metabonomic Studies in Man. <i>RSC Chromatography Monographs</i> , 2012, , 387-428.	0.1	0
389	The 44th annual open meeting of the Drug Metabolism Discussion Group (DMDG) at Robinson College, Cambridge, UK, September 16th-18th, 2015. <i>Xenobiotica</i> , 2016, 46, 664-666.	1.1	0
390	Metabolic phenotyping (metabonomics/metabolomics) by liquid chromatography-mass spectrometry. , 2017, , 245-265.		0
391	Preface. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1128, 121787.	2.3	0
392	Proton Nuclear Magnetic Spectroscopy: A Novel Method for the Study of Solid Phase Extraction. , 1994, , 37-52.		0