

Ian D Wilson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

391
papers

25,512
citations

74
h-index

150
g-index

411
ext. papers

28,661
ext. citations

5.3
avg, IF

7.06
L-index

#	Paper	IF	Citations
391	Application of a hybrid zwitterionic hydrophilic interaction liquid chromatography column in metabolic profiling studies.. <i>Journal of Chromatography A</i> , 2022 , 1672, 463013	4.5	2
390	Access to the Phospho-proteome via the Mitigation of Peptide-Metal Interactions.. <i>Journal of Chromatography A</i> , 2022 , 1673, 463024	4.5	2
389	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	4.7	4
388	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	4.5	2
387	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> , 2021 , 1233, 123377	3.2	0
386	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	5.6	5
385	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	4.5	5
384	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	7.8	4
383	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	3.5	3
382	Dysregulation of the Lysophosphatidylcholine/Autotaxin/Lysophosphatidic Acid Axis in Acute-on-Chronic Liver Failure Is Associated With Mortality and Systemic Inflammation by Lysophosphatidic Acid-Dependent Monocyte Activation. <i>Hepatology</i> , 2021 , 74, 907-925	11.2	5
381	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	2	2
380	Sensitive and Reproducible Mass Spectrometry-Compatible RP-UHPLC Analysis of Tricarboxylic Acid Cycle and Related Metabolites in Biological Fluids: Application to Human Urine. <i>Analytical Chemistry</i> , 2021 , 93, 1009-1015	7.8	8
379	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	3.5	0
378	Chapter 1:State-of-the-art in LCMS Approaches for Probing the Polar Metabolome. <i>New Developments in Mass Spectrometry</i> , 2021 , 1-26	2.3	1
377	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1671, 123511	3.2	1
376	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	3.2	4
375	High-Throughput UHPLC/MS/MS-Based Metabolic Profiling Using a Vacuum Jacketed Column. <i>Analytical Chemistry</i> , 2021 , 93, 10644-10652	7.8	1

374	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	3.2	1
373	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	3.2	4
372	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	2.1	3
371	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. <i>Chromatographia</i> , 2020 , 83, 853-861	2.1	2
370	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	3.5	2
369	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	5.6	18
368	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	11.5	54
367	High Performance Thin-Layer Chromatography of Plant Ecdysteroids Coupled with Desorption Electrospray Ionisation on Mobility Time of Flight High Resolution Mass Spectrometry (HPTLC/DESI/IM/ToFMS). <i>Chromatographia</i> , 2020 , 83, 1029-1035	2.1	8
366	Metabolism and Effects on Endogenous Metabolism of Paracetamol (Acetaminophen) in a Porcine Model of Liver Failure. <i>Toxicological Sciences</i> , 2020 , 175, 87-97	4.4	5
365	Kinetic modelling of acyl glucuronide and glucoside reactivity and development of structure-property relationships. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 1389-1401	3.9	1
364	Liquid chromatographic methods combined with mass spectrometry in metabolomics 2020 , 149-169		1
363	Acyl glucuronide reactivity in perspective. <i>Drug Discovery Today</i> , 2020 , 25, 1639-1650	8.8	9
362	Metabolic Phenotyping Study of Mouse Brains Following Acute or Chronic Exposures to Ethanol. <i>Journal of Proteome Research</i> , 2020 , 19, 4071-4081	5.6	3
361	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	4.5	10
360	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	5.6	7
359	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	4.5	18
358	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	4.7	37
357	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	7.8	36

356	Medical student wellbeing - a consensus statement from Australia and New Zealand. <i>BMC Medical Education</i> , 2019 , 19, 69	3.3	22
355	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	3.2	63
354	Obesity and Cage Environment Modulate Metabolism in the Zucker Rat: A Multiple Biological Matrix Approach to Characterizing Metabolic Phenomena. <i>Journal of Proteome Research</i> , 2019 , 18, 2160-2174	5.6	3
353	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	1.5	2
352	The metabolic fate and effects of 2-Bromophenol in male Sprague-Dawley rats. <i>Xenobiotica</i> , 2019 , 49, 1352-1359	2	1
351	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	3.2	6
350	An Overview of Metabolic Phenotyping and Its Role in Systems Biology 2019 , 1-51		2
349	Paracetamol metabolism, hepatotoxicity, biomarkers and therapeutic interventions: a perspective. <i>Toxicology Research</i> , 2018 , 7, 347-357	2.6	41
348	Metabolic Profiling: Status, Challenges, and Perspective. <i>Methods in Molecular Biology</i> , 2018 , 1738, 3-13	1.4	5
347	Quality Control and Validation Issues in LC-MS Metabolomics. <i>Methods in Molecular Biology</i> , 2018 , 1738, 15-26	1.4	11
346	Metabolic Hydrolysis of Aromatic Amides in Selected Rat, Minipig, and Human In Vitro Systems. <i>Scientific Reports</i> , 2018 , 8, 2405	4.9	10
345	Understanding Australian medical student attitudes towards older people. <i>Australasian Journal on Ageing</i> , 2018 , 37, 93-98	1.5	6
344	The pharmacokinetics and metabolism of diclofenac in chimeric humanized and murinized FRG mice. <i>Archives of Toxicology</i> , 2018 , 92, 1953-1967	5.8	5
343	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	3.2	4
342	MerTK expressing hepatic macrophages promote the resolution of inflammation in acute liver failure. <i>Gut</i> , 2018 , 67, 333-347	19.2	88
341	Intervention among Suicidal Men: Future Directions for Telephone Crisis Support Research. <i>Frontiers in Public Health</i> , 2018 , 6, 1	6	97
340	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,	4.6	2
339	The Impact of Caller Gender on Telephone Crisis-Helpline Workers' Interpretation of Suicidality in Caller Vignettes. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	3

338	Medical student attitudes towards older people: a critical review of quantitative measures. <i>BMC Research Notes</i> , 2018 , 11, 71	2.3	21
337	The metabolic fate of fenclozic acid in chimeric mice with a humanized liver. <i>Archives of Toxicology</i> , 2018 , 92, 2819-2828	5.8	6
336	Telephone Crisis Support Workers' Psychological Distress and Impairment. <i>Crisis</i> , 2018 , 39, 13-26	2.8	14
335	Telephone Crisis Support Workers' Intentions to Use Recommended Skills While Experiencing Functional Impairment. <i>Crisis</i> , 2018 , 39, 218-223	2.8	1
334	The impact of their role on telephone crisis support workers' psychological wellbeing and functioning: Quantitative findings from a mixed methods investigation. <i>PLoS ONE</i> , 2018 , 13, e0207645	3.7	2
333	Omics Metabolomics: an Analytical Perspective 2018 , 82-82		1
332	Changing medical student attitudes to patient safety: a multicentre study. <i>BMC Medical Education</i> , 2018 , 18, 205	3.3	5
331	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	4.7	303
330	Methods and techniques for metabolic phenotyping. <i>Bioanalysis</i> , 2017 , 9, 1-3	2.1	5
329	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	7.8	51
328	Gut microbiota modulation of chemotherapy efficacy and toxicity. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017 , 14, 356-365	24.2	382
327	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	6.6	46
326	Application of H NMR spectroscopy to the metabolic phenotyping of rodent brain extracts: A metabolomic study of gut microbial influence on host brain metabolism. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 143, 141-146	3.5	17
325	The pharmacokinetics and metabolism of lumiracoxib in chimeric humanized and murinized FRG mice. <i>Biochemical Pharmacology</i> , 2017 , 135, 139-150	6	7
324	Acute liver effects, disposition and metabolic fate of [¹⁴ C]-fenclozic acid following oral administration to normal and bile-cannulated male C57BL/6J mice. <i>Archives of Toxicology</i> , 2017 , 91, 2643-2653	5.8	3
323	Signs of current suicidality in men: A systematic review. <i>PLoS ONE</i> , 2017 , 12, e0174675	3.7	18
322	Metabolic phenotyping (metabonomics/metabolomics) by liquid chromatography-mass spectrometry 2017 , 245-265		
321	Stability in metabolic phenotypes and inferred metagenome profiles before the onset of colitis-induced inflammation. <i>Scientific Reports</i> , 2017 , 7, 8836	4.9	9

320	Hyphenated MS-based targeted approaches in metabolomics. <i>Analyst, The</i> , 2017 , 142, 3079-3100	5	55
319	Improved hepatic physiology in hepatic cytochrome P450 reductase null (HRN) mice dosed orally with fenclozic acid. <i>Toxicology Research</i> , 2017 , 6, 81-88	2.6	1
318	Gut microbiome interactions with drug metabolism, efficacy, and toxicity. <i>Translational Research</i> , 2017 , 179, 204-222	11	281
317	Lumiracoxib metabolism in male C57bl/6J mice: characterisation of novel in vivo metabolites. <i>Xenobiotica</i> , 2017 , 47, 538-546	2	1
316	Testing a Model of Functional Impairment in Telephone Crisis Support Workers. <i>Crisis</i> , 2017 , 38, 403-412	2.8	8
315	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, 250-63	8.8	50
314	Hepatic effects of repeated oral administration of diclofenac to hepatic cytochrome P450 reductase null (HRN) and wild-type mice. <i>Archives of Toxicology</i> , 2016 , 90, 853-62	5.8	5
313	Metabolic Profiling Approaches for Biomarkers of Ethanol Intake 2016 , 213-222		1
312	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	3.2	60
311	Comparative metabonomic analysis of hepatotoxicity induced by acetaminophen and its less toxic meta-isomer. <i>Archives of Toxicology</i> , 2016 , 90, 3073-3085	5.8	18
310	Meta-analysis of clinical metabolic profiling studies in cancer: challenges and opportunities. <i>EMBO Molecular Medicine</i> , 2016 , 8, 1134-1142	12	57
309	The Development of Metabolic Phenotyping – Historical Perspective 2016 , 17-48		2
308	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	2	
307	Analysis of polar urinary metabolites for metabolic phenotyping using supercritical fluid chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1449, 141-55	4.5	52
306	Development of a Rapid Microbore Metabolic Profiling Ultraperformance Liquid Chromatography-Mass Spectrometry Approach for High-Throughput Phenotyping Studies. <i>Analytical Chemistry</i> , 2016 , 88, 5742-51	7.8	26
305	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	5.6	24
304	An overview of fecal sample preparation for global metabolic profiling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 113, 137-50	3.5	83
303	Systems toxicology: modelling biomarkers of glutathione homeostasis and paracetamol metabolism. <i>Drug Discovery Today: Technologies</i> , 2015 , 15, 9-14	7.1	6

302	Identification of a novel human circulating metabolite of tenofovir disoproxil fumarate with LC-MS/MS. <i>Bioanalysis</i> , 2015 , 7, 643-52	2.1	5
301	An integrated ceramic, micro-fluidic device for the LC/MS/MS analysis of pharmaceuticals in plasma. <i>Analyst, The</i> , 2015 , 140, 5546-56	5	10
300	Integration of microfluidic LC with HRMS for the analysis of analytes in biofluids: past, present and future. <i>Bioanalysis</i> , 2015 , 7, 1397-411	2.1	9
299	Predicting drug metabolism: experiment and/or computation?. <i>Nature Reviews Drug Discovery</i> , 2015 , 14, 387-404	64.1	255
298	Molecular phenotyping of a UK population: defining the human serum metabolome. <i>Metabolomics</i> , 2015 , 11, 9-26	4.7	167
297	High-Throughput Microbore UPLC-MS Metabolic Phenotyping of Urine for Large-Scale Epidemiology Studies. <i>Journal of Proteome Research</i> , 2015 , 14, 2714-21	5.6	26
296	The metabolism of 4-bromoaniline in the bile-cannulated rat: application of ICPMS ((79/81)Br), HPLC-ICPMS & HPLC-oaTOFMS. <i>Xenobiotica</i> , 2015 , 45, 672-80	2	3
295	Mixture Analysis in Pharmaceutical R&D Using Hyphenated NMR Techniques 2015 , 151-158		1
294	19F NMR Spectroscopy: Applications in Pharmaceutical Studies 2015 , 189-196		6
293	Experiences and views of a brokerage model for primary care for Aboriginal people. <i>Australian Health Review</i> , 2015 , 39, 26-32	1.8	3
292	Solid phase extraction methodology for UPLC-MS based metabolic profiling of urine samples. <i>Electrophoresis</i> , 2015 , 36, 2170-2178	3.6	15
291	The Modulation of Drug Efficacy and Toxicity by the Gut Microbiome. <i>Molecular and Integrative Toxicology</i> , 2015 , 323-341	0.5	5
290	Metabolism by conjugation appears to confer resistance to paracetamol (acetaminophen) hepatotoxicity in the cynomolgus monkey. <i>Xenobiotica</i> , 2015 , 45, 270-7	2	9
289	HPLCMS Profiling and Structural Identification of [14C]-Diclofenac Metabolites in Mouse Bile. <i>Chromatographia</i> , 2014 , 77, 233-239	2.1	4
288	Dissecting the reaction of Phase II metabolites of ibuprofen and other NSAIDS with human plasma protein. <i>Chemical Science</i> , 2014 , 5, 3789-3794	9.4	14
287	The Role of Mass Spectrometry in Nontargeted Metabolomics. <i>Comprehensive Analytical Chemistry</i> , 2014 , 213-233	1.9	2
286	Metabolite Detection and Profiling. <i>Methods and Principles in Medicinal Chemistry</i> , 2014 , 485-498	0.4	5
285	Hydrophilic interaction chromatography-mass spectrometry for anionic metabolic profiling of urine from antibiotic-treated rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 92, 98-104	3.5	9

284	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, 60-8	4.5	57
283	Global metabolic profiling in health and disease 2014 , 2-5		0
282	Global metabolic profiling for the study of alcohol-related disorders. <i>Bioanalysis</i> , 2014 , 6, 59-77	2.1	15
281	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, 174-85	2	5
280	The metabolic fate of [14C]-fenclozic acid in the hepatic reductase null (HRN) mouse. <i>Xenobiotica</i> , 2014 , 44, 164-73	2	9
279	Advances in liquid chromatography coupled to mass spectrometry for metabolic phenotyping. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 61, 181-191	14.6	43
278	A comparison of the metabolism of midazolam in C57BL/6J and hepatic reductase null (HRN) mice. <i>Biochemical Pharmacology</i> , 2014 , 92, 701-11	6	7
277	Analytical methodology for clinical metabolic profiling: sample preparation, sample analysis and statistical evaluation 2014 , 20-34		
276	Troglitazone metabolism and transporter effects in chimeric mice: a comparison between chimeric humanized and chimeric murinized FRG mice. <i>Xenobiotica</i> , 2014 , 44, 186-95	2	12
275	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, 200-7	3.2	33
274	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	3.2	71
273	Current practice of liquid chromatography-mass spectrometry in metabolomics and metabonomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 87, 12-25	3.5	278
272	Age and microenvironment outweigh genetic influence on the Zucker rat microbiome. <i>PLoS ONE</i> , 2014 , 9, e100916	3.7	32
271	Considerations in the design of clinical and epidemiological metabolic phenotyping studies 2014 , 6-19		
270	Anionic metabolic profiling of urine from antibiotic-treated rats by capillary electrophoresis-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2585-94	4.4	34
269	Glutathione metabolism modeling: a mechanism for liver drug-robustness and a new biomarker strategy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 4943-59	4	25
268	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, 877-88	3.7	30
267	Global metabolic profiling of animal and human tissues via UPLC-MS. <i>Nature Protocols</i> , 2013 , 8, 17-32	18.8	405

266	Hippurate: the natural history of a mammalian-microbial cometabolite. <i>Journal of Proteome Research</i> , 2013 , 12, 1527-46	5.6	196
265	LC-MS-Based Nontargeted Metabolomics 2013 , 93-115		3
264	Liquid Chromatographic Methods Combined with Mass Spectrometry in Metabolomics 2013 , 145-161		2
263	In vitro exploration of potential mechanisms of toxicity of the human hepatotoxic drug fenclozic acid. <i>Archives of Toxicology</i> , 2013 , 87, 1569-79	5.8	14
262	CHAPTER 4:Liquid Chromatographic Techniques in Metabolomics. <i>RSC Chromatography Monographs</i> , 2013 , 64-86		1
261	A mathematical modelling approach to assessing the reliability of biomarkers of glutathione metabolism. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 46, 233-43	5.1	17
260	Systems biology tools for toxicology. <i>Archives of Toxicology</i> , 2012 , 86, 1251-71	5.8	33
259	Liquid chromatography-mass spectrometry based global metabolite profiling: a review. <i>Analytica Chimica Acta</i> , 2012 , 711, 7-16	6.6	372
258	Diclofenac metabolism in the mouse: novel in vivo metabolites identified by high performance liquid chromatography coupled to linear ion trap mass spectrometry. <i>Xenobiotica</i> , 2012 , 42, 179-94	2	42
257	A workflow for the metabolomic/metabonomic investigation of exhaled breath using thermal desorption GC-MS. <i>Bioanalysis</i> , 2012 , 4, 2227-37	2.1	24
256	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, 2239-47	2.1	60
255	The importance of experimental design and QC samples in large-scale and MS-driven untargeted metabolomic studies of humans. <i>Bioanalysis</i> , 2012 , 4, 2249-64	2.1	321
254	Investigation of chronic alcohol consumption in rodents via ultra-high-performance liquid chromatography-mass spectrometry based metabolite profiling. <i>Journal of Chromatography A</i> , 2012 , 1259, 128-37	4.5	22
253	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, 1616-32	4	172
252	Pharmacokinetics and metabolism of midazolam in chimeric mice with humanised livers. <i>Xenobiotica</i> , 2012 , 42, 1128-37	2	16
251	The hepatic reductase null mouse as a model for exploring hepatic conjugation of xenobiotics: application to the metabolism of diclofenac. <i>Xenobiotica</i> , 2012 , 42, 195-205	2	18
250	Evaluation of the pharmacokinetics, biotransformation and hepatic transporter effects of troglitazone in mice with humanized livers. <i>Xenobiotica</i> , 2012 , 42, 503-17	2	26
249	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, 1106-16	2.1	25

248	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, 1060-83	18.8	1527
247	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, 194-9		50
246	Synthesis of a series of phenylacetic acid 1-ED-acyl glucosides and comparison of their acyl migration and hydrolysis kinetics with the corresponding acyl glucuronides. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 926-34	3.9	18
245	Managing the challenge of chemically reactive metabolites in drug development. <i>Nature Reviews Drug Discovery</i> , 2011 , 10, 292-306	64.1	348
244	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, 655-63	3.5	29
243	Variation in antibiotic-induced microbial recolonization impacts on the host metabolic phenotypes of rats. <i>Journal of Proteome Research</i> , 2011 , 10, 3590-603	5.6	101
242	HILIC-UPLC-MS for exploratory urinary metabolic profiling in toxicological studies. <i>Analytical Chemistry</i> , 2011 , 83, 382-90	7.8	128
241	Pharmacometabonomics as an effector for personalized medicine. <i>Pharmacogenomics</i> , 2011 , 12, 103-11	2.6	118
240	Application of NMR-based metabolomics to the investigation of salt stress in maize (<i>Zea mays</i>). <i>Phytochemical Analysis</i> , 2011 , 22, 214-24	3.4	78
239	Mass spectrometry-based holistic analytical approaches for metabolite profiling in systems biology studies. <i>Mass Spectrometry Reviews</i> , 2011 , 30, 884-906	11	147
238	Profiling biological samples using ultra performance liquid chromatography-inductively coupled plasma-mass spectrometry (UPLC-ICP-MS) for the determination of phosphorus and sulfur-containing metabolites. <i>Molecular BioSystems</i> , 2011 , 7, 1149-57		8
237	Metabonomic investigation of liver profiles of nonpolar metabolites obtained from alcohol-dosed rats and mice using high mass accuracy MSn analysis. <i>Journal of Proteome Research</i> , 2011 , 10, 705-13	5.6	52
236	HPLC-MS/MS methods for the quantitative analysis of ophthalmic acid in rodent plasma and hepatic cell line culture medium. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 54, 1128-35	3.5	19
235	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 Suppl 1, 4523-30	11.5	495
234	Metabolite profiles from dried blood spots for metabonomic studies using UPLC combined with orthogonal acceleration ToF-MS: effects of different papers and sample storage stability. <i>Bioanalysis</i> , 2011 , 3, 2757-67	2.1	38
233	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, 720-34	2	38
232	Addressing the challenge of limited sample volumes in in vitro studies with capillary-scale microfluidic LC-MS/MS. <i>Bioanalysis</i> , 2011 , 3, 873-82	2.1	15
231	High-performance liquid chromatography-mass spectrometry (HPLC-MS)-based drug metabolite profiling. <i>Methods in Molecular Biology</i> , 2011 , 708, 173-90	1.4	11

230	Qualitative research in medical education. <i>Medical Education</i> , 2010 , 44, 942	3.7	2
229	Global metabolic profiling procedures for urine using UPLC-MS. <i>Nature Protocols</i> , 2010 , 5, 1005-18	18.8	676
228	A novel LC-MS approach for the detection of metabolites in DMPK studies. <i>Bioanalysis</i> , 2010 , 2, 1767-78	2.1	11
227	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	2	19
226	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, 8226-34	7.8	51
225	Metabolite profiles from dried biofluid spots for metabonomic studies using UPLC combined with oaToF-MS. <i>Journal of Proteome Research</i> , 2010 , 9, 3328-34	5.6	53
224	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, 3590-7	5.6	25
223	Methodological considerations in the development of HPLC-MS methods for the analysis of rodent plasma for metabonomic studies. <i>Molecular BioSystems</i> , 2010 , 6, 108-20		43
222	Application of turbulent flow chromatography to the metabonomic analysis of human plasma: comparison with protein precipitation. <i>Journal of Separation Science</i> , 2010 , 33, 1472-9	3.4	36
221	Hydrophilic interaction chromatography coupled to MS for metabonomic/metabolomic studies. <i>Journal of Separation Science</i> , 2010 , 33, 716-27	3.4	161
220	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, 3043-51	2.2	11
219	The role of gut microbiota in drug response. <i>Current Pharmaceutical Design</i> , 2009 , 15, 1519-23	3.3	86
218	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, 14187-8	11.5	74
217	Issues in the safety testing of metabolites. <i>Future Medicinal Chemistry</i> , 2009 , 1, 1381-90	4.1	3
216	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, 579-86	3.5	22
215	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, 219-27	2.2	11
214	Direct analysis of pharmaceutical formulations from non-bonded reversed-phase thin-layer chromatography plates by desorption electrospray ionisation ion mobility mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 2597-604	2.2	40
213	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	2.1	9

212	Top-down systems biology modeling of host metabotype-microbiome associations in obese rodents. <i>Journal of Proteome Research</i> , 2009 , 8, 2361-75	5.6	197
211	Application of ultra performance liquid chromatography-mass spectrometry to profiling rat and dog bile. <i>Journal of Proteome Research</i> , 2009 , 8, 2495-500	5.6	60
210	UPLC-MS-based analysis of human plasma for metabonomics using solvent precipitation or solid phase extraction. <i>Journal of Proteome Research</i> , 2009 , 8, 2114-21	5.6	150
209	Development of a robust and repeatable UPLC-MS method for the long-term metabolomic study of human serum. <i>Analytical Chemistry</i> , 2009 , 81, 1357-64	7.8	306
208	Gut microbiome modulates the toxicity of hydrazine: a metabonomic study. <i>Molecular BioSystems</i> , 2009 , 5, 351-5		57
207	Synthesis, transacylation kinetics and computational chemistry of a set of arylacetic acid 1beta-O-acyl glucuronides. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2525-33	3.9	19
206	Metabolic phenotyping in health and disease. <i>Cell</i> , 2008 , 134, 714-7	56.2	568
205	Heteronuclear 19F-1H statistical total correlation spectroscopy as a tool in drug metabolism: study of flucloxacillin biotransformation. <i>Analytical Chemistry</i> , 2008 , 80, 1073-9	7.8	50
204	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, 4886-95	7.8	29
203	Combining assessment scores--a variable feast. <i>Medical Teacher</i> , 2008 , 30, 428-30	3	3
202	Evaluation of the use of UPLC-TOFMS with simultaneous [14C]-radioflow detection for drug metabolite profiling: application to propranolol metabolites in rat urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 151-7	3.5	19
201	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, 2517-24	2.2	33
200	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, 1598-608	3.4	114
199	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, 279-87	3.2	61
198	An approach to enhancing coverage of the urinary metabonome using liquid chromatography-ion mobility-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 871, 357-61	3.2	46
197	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	3.2	198
196	Liquid chromatography and ultra-performance liquid chromatography-mass spectrometry fingerprinting of human urine: sample stability under different handling and storage conditions for metabonomics studies. <i>Journal of Chromatography A</i> , 2008 , 1189, 314-22	4.5	156
195	LC-MS-based methodology for global metabolite profiling in metabonomics/metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 251-260	14.6	266

194	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	2.1	14
193	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, 3718-28	5.6	185
192	¹ H NMR and UPLC-MS(E) statistical heterospectroscopy: characterization of drug metabolites (xenometabolome) in epidemiological studies. <i>Analytical Chemistry</i> , 2008 , 80, 6835-44	7.8	70
191	. <i>ScienceAsia</i> , 2008 , 34, 279	1.4	19
190	Within-day reproducibility of an HPLC-MS-based method for metabonomic analysis: application to human urine. <i>Journal of Proteome Research</i> , 2007 , 6, 3291-303	5.6	402
189	Detection of urinary drug metabolite (xenometabolome) signatures in molecular epidemiology studies via statistical total correlation (NMR) spectroscopy. <i>Analytical Chemistry</i> , 2007 , 79, 2629-40	7.8	108
188	Analytical strategies in metabonomics. <i>Journal of Proteome Research</i> , 2007 , 6, 443-58	5.6	459
187	Rapid and noninvasive metabonomic characterization of inflammatory bowel disease. <i>Journal of Proteome Research</i> , 2007 , 6, 546-51	5.6	456
186	Isotopic enrichment enhancement in metabonomic analysis of UPLCMS data sets. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007 , 50, 303-307	1.9	8
185	Hype and hypernation: multiple hyphenation of column liquid chromatography and spectroscopy. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 847-854	14.6	37
184	A metabonomic study of strain- and age-related differences in the Zucker rat. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2039-45	2.2	39
183	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, 4079-85	2.2	16
182	Thermal Gradients for the Control of Elution in RP-LC: Application to the Separation of Model Drugs. <i>Chromatographia</i> , 2007 , 66, 831-836	2.1	8
181	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, 845-52	3.5	47
180	Metabolism of [¹⁴ C]-5-chloro-1,3-benzodioxol-4-amine in male Wistar-derived rats following intraperitoneal administration. <i>Xenobiotica</i> , 2007 , 37, 44-58	2	2
179	NMR spectroscopic studies on the in vitro acyl glucuronide migration kinetics of Ibuprofen ((+/-)-(R,S)-2-(4-isobutylphenyl) propanoic acid), its metabolites, and analogues. <i>Analytical Chemistry</i> , 2007 , 79, 8720-7	7.8	39
178	Chapter 12:Metabonomics and Global Systems Biology. <i>RSC Biomolecular Sciences</i> , 2007 , 295-316		1
177	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	2	27

176	Acyl glucuronides: biological activity, chemical reactivity, and chemical synthesis. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 6931-45	8.3	105
175	A pragmatic and readily implemented quality control strategy for HPLC-MS and GC-MS-based metabonomic analysis. <i>Analyst, The</i> , 2006 , 131, 1075-8	5	398
174	Identification of phenacetin metabolites in human urine after administration of phenacetin-C2H3: measurement of futile metabolic deacetylation via HPLC/MS-SPE-NMR and HPLC-ToF MS. <i>Xenobiotica</i> , 2006 , 36, 615-29	2	26
173	Metabolic phenotyping of nude and normal (Alpk:ApfCD, C57BL10J) mice. <i>Journal of Proteome Research</i> , 2006 , 5, 378-84	5.6	51
172	Statistically integrated metabonomic-proteomic studies on a human prostate cancer xenograft model in mice. <i>Journal of Proteome Research</i> , 2006 , 5, 2642-55	5.6	136
171	Generation of ultrahigh peak capacity LC separations via elevated temperatures and high linear mobile-phase velocities. <i>Analytical Chemistry</i> , 2006 , 78, 7278-83	7.8	70
170	Systems toxicology: integrated genomic, proteomic and metabonomic analysis of methapyrilene induced hepatotoxicity in the rat. <i>Journal of Proteome Research</i> , 2006 , 5, 1586-601	5.6	132
169	UPLC/MS(E); a new approach for generating molecular fragment information for biomarker structure elucidation. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 1989-94	2.2	393
168	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	2.2	11
167	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, 2800-6	2.2	61
166	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, 206-10	4.5	37
165	NMR spectroscopic studies of the transacylation reactivity of ibuprofen 1-beta-O-acyl glucuronide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 1002-6	3.5	20
164	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, The</i> , 2005 , 130, 844-9	5	195
163	Kinetic studies on the intramolecular acyl migration of beta-1-O-acyl glucuronides: application to the glucuronides of (R)- and (S)-ketoprofen, (R)- and (S)-hydroxy-ketoprofen metabolites, and tolmetin by 1H-NMR spectroscopy. <i>Xenobiotica</i> , 2005 , 35, 715-25	2	19
162	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, 591-8	5.6	398
161	Metabonomics in the Pharmaceutical Industry 2005 , 337-348		
160	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, 465-71	3.5	101
159	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	3.2	366

158	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	2.1	30
157	Summary recommendations for standardization and reporting of metabolic analyses. <i>Nature Biotechnology</i> , 2005 , 23, 833-8	44.5	233
156	Gut microorganisms, mammalian metabolism and personalized health care. <i>Nature Reviews Microbiology</i> , 2005 , 3, 431-8	22.2	717
155	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	2.1	2
154	Superheated water chromatography-nuclear magnetic resonance spectroscopy of kava lactones. <i>Phytochemical Analysis</i> , 2005 , 16, 217-21	3.4	11
153	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>Chromatographia</i> , 2005 , 61, 110-114	2.2	15
152	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, 173-87	2.6	123
151	Chapter 20 Drugs. <i>Journal of Chromatography Library</i> , 2004 , 945-985		
150	NMR and QSAR studies on the transacylation reactivity of model 1EO-acyl glucuronides. I: design, synthesis and degradation rate measurement. <i>Xenobiotica</i> , 2004 , 34, 73-85	2	23
149	Nuclear magnetic resonance (NMR) and quantitative structure-activity relationship (QSAR) studies on the transacylation reactivity of model 1beta-O-acyl glucuronides. II: QSAR modelling of the reaction using both computational and experimental NMR parameters. <i>Xenobiotica</i> , 2004 , 34, 889-900	2	35
148	The challenges of modeling mammalian biocomplexity. <i>Nature Biotechnology</i> , 2004 , 22, 1268-74	44.5	321
147	Enhanced Detection of Sulphur and Phosphorous Containing Compounds in HPLC-Inductively Coupled Plasma Mass Spectrometry Using Chemical Resolution via Hexapole-Based Reaction with Oxygen. <i>Chromatographia</i> , 2004 , 59, S165	2.1	8
146	An Early Description of Paper Chromatography?. <i>Chromatographia</i> , 2004 , 60,	2.1	9
145	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, 181-3	2.2	29
144	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, 1487-92	2.2	24
143	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	3.5	151
142	Cyclosporin A-induced changes in endogenous metabolites in rat urine: a metabonomic investigation using high field ¹ H NMR spectroscopy, HPLC-TOF/MS and chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 35, 599-608	3.5	123
141	Comparison of extraction of a beta-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, 1231-9	3.5	45

140	Superheated water chromatography-nuclear magnetic resonance spectroscopy and mass spectrometry of vitamins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 477-82	3.5	36
139	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, 841-9	3.5	235
138	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, 259-64	5	59
137	A metabonomic investigation of the biochemical effects of mercuric chloride in the rat using ¹ H NMR and HPLC-TOF/MS: time dependent changes in the urinary profile of endogenous metabolites as a result of nephrotoxicity. <i>Analyst, The</i> , 2004 , 129, 535-41	5	128
136	Probing molecular dynamics in chromatographic systems using high-resolution ¹ H magic-angle-spinning NMR spectroscopy: interaction between p-Xylene and C18-bonded silica. <i>Analytical Chemistry</i> , 2004 , 76, 3023-8	7.8	13
135	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 Technology in the Biomedical and Life Sciences</i> , 2004 , 809, 279-85	3.2	5
134	Detection of mono- and di-hexoses as metabolites of 4-bromoaniline using HPLC-TOF-MS/MS. <i>Xenobiotica</i> , 2003 , 33, 855-69	2	6
133	Biomedical applications of directly-coupled chromatography-Nuclear magnetic resonance (NMR) spectroscopy and mass spectrometry (MS). <i>Handbook of Analytical Separations</i> , 2003 , 293-329	0.7	1
132	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, 143-50	4.5	45
131	Hyphenation and hypernation the practice and prospects of multiple hyphenation. <i>Journal of Chromatography A</i> , 2003 , 1000, 325-56	4.5	108
130	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, 1561-74	3.5	11
129	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, 1103-15	3.5	213
128	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, 1855-8	2.2	12
127	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	2.2	9
126	Opinion: understanding 'global' systems biology: metabonomics and the continuum of metabolism. <i>Nature Reviews Drug Discovery</i> , 2003 , 2, 668-76	64.1	838
125	An integrated metabonomic investigation of acetaminophen toxicity in the mouse using NMR spectroscopy. <i>Chemical Research in Toxicology</i> , 2003 , 16, 295-303	4	224
124	Metabonomic analysis of mouse urine by liquid-chromatography-time of flight mass spectrometry (LC-TOFMS): detection of strain, diurnal and gender differences. <i>Analyst, The</i> , 2003 , 128, 819-23	5	135
123	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, 1468-9	7.8	39

122	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	2.1	22
121	Analysis of a [¹⁴ C]-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	2.1	19
120	Reversed-phase HPLC of polymer additives with multiple on-line spectroscopic analysis (UV, IR, (1)H NMR and MS). <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 508-15	4.4	12
119	Flow injection analysis with multiple on-line spectroscopic analysis (UV, IR, 1H-NMR and MS). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 27, 191-200	3.5	16
118	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, 245-7	2.2	25
117	Structure-metabolism relationships of substituted anilines: prediction of N-acetylation and N-oxanilic acid formation using computational chemistry. <i>Xenobiotica</i> , 2002 , 32, 267-77	2	13
116	Identification of the urinary metabolites of 4-bromoaniline and 4-bromo-[carbonyl- ¹³ C]-acetanilide in rat. <i>Xenobiotica</i> , 2002 , 32, 325-37	2	20
115	HPLC analysis of ecdysteroids in plant extracts using superheated deuterium oxide with multiple on-line spectroscopic analysis (UV, IR, 1H NMR, and MS). <i>Analytical Chemistry</i> , 2002 , 74, 288-94	7.8	52
114	Physiological variation in metabolic phenotyping and functional genomic studies: use of orthogonal signal correction and PLS-DA. <i>FEBS Letters</i> , 2002 , 530, 191-6	3.8	157
113	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, 245-52	3.1	81
112	Spectroscopic characterisation and identification of ecdysteroids using high-performance liquid chromatography combined with on-line UV--diode array, FT-infrared and 1H-nuclear magnetic resonance spectroscopy and time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2001 , 910, 237-46	4.5	43
111	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, 1H-NMR and MS). <i>Analyst, The</i> , 2001 , 126, 1625-1629	5	31
110	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, 51-6	4.5	20
109	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. <i>Analytical Chemistry</i> , 2001 , 73, 1491-4	7.8	46
108	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, 2377-84	2.2	62
107	Selective deuterium exchange during superheated heavy water chromatography-nuclear magnetic resonance spectroscopy-mass spectrometry of sulfonamides. <i>Journal of Chromatography A</i> , 2000 , 886, 289-95	4.5	32
106	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, 143-7	4.5	41
105	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, 311-9		11

104	Multiple hyphenation of liquid chromatography with nuclear magnetic resonance spectroscopy, mass spectrometry and beyond. <i>Journal of Chromatography A</i> , 2000 , 892, 315-27	4.5	47
103	Directly coupled HPLC-NMR and HPLC-NMR-MS in pharmaceutical research and development. <i>Biomedical Applications</i> , 2000 , 748, 233-58		154
102	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	2.1	7
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	2.1	56
100	Investigation of the metabolism of $^{14}\text{C}/^{13}\text{C}$ -practolol in rat using directly coupled radio-HPLC-NMR-MS. <i>Xenobiotica</i> , 2000 , 30, 717-29	2	12
99	An NMR-based metabonomic approach to investigate the biochemical consequences of genetic strain differences: application to the C57BL10J and Alpk:ApfCD mouse. <i>FEBS Letters</i> , 2000 , 484, 169-74	3.8	259
98	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, 42-6	5.7	29
97	2.7.5. HPLC/NMR and related hyphenated NMR methods. <i>Progress in Pharmaceutical and Biomedical Analysis</i> , 2000 , 4, 299-322		5
96	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, The</i> , 2000 , 125, 235-6	5	38
95	Reversed-phase high-performance liquid chromatography combined with on-line UV diode array, FT infrared, and ^1H nuclear magnetic resonance spectroscopy and time-of-flight mass spectrometry: application to a mixture of nonsteroidal antiinflammatory drugs. <i>Analytical Chemistry</i> , 2000 , 72, 3922-6	7.8	25
94	Advancing hyphenated chromatographic systems. <i>Analytical Chemistry</i> , 2000 , 72, 534A-542A	7.8	10
93	Quantitative studies on the urinary metabolic fate of 2-chloro-4-trifluoromethylaniline in the rat using ^{19}F -NMR spectroscopy and directly coupled HPLC-NMR-MS. <i>Xenobiotica</i> , 1999 , 29, 77-91	2	43
92	Detection and identification of morphine in urine extracts using thin-layer chromatography and tandem mass spectrometry. <i>Biomedical Applications</i> , 1999 , 729, 341-6		20
91	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, 865-73	3.5	17
90	The state of the art in thin-layer chromatography-mass spectrometry: a critical appraisal. <i>Journal of Chromatography A</i> , 1999 , 856, 429-42	4.5	97
89	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	4.5	32
88	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	2.1	55
87	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	7.8	117

86	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		12
85	Methodology for assessing the properties of molecular imprinted polymers for solid phase extraction. <i>Analyst, The</i> , 1999 , 124, 467-471	5	38
84	Rapid multi-component detection of fluorinated drug metabolites in whole urine from a cassette dose study using high resolution ¹⁹ F NMR spectroscopy. <i>Analytical Communications</i> , 1999 , 36, 259-261		7
83	Insect Hormones and Insect Chemical Ecology 1999 , 263-375		9
82	Studies on the metabolism of 4-fluoroaniline and 4-fluoroacetanilide in rat: formation of 4-acetamidophenol (paracetamol) and its metabolites via defluorination and N-acetylation. <i>Xenobiotica</i> , 1999 , 29, 205-16	2	21
81	Superheated Heavy Water as the Eluent for HPLC-NMR and HPLC-NMR-MS of Model Drugs. <i>Analytical Chemistry</i> , 1999 , 71, 4493-4497	7.8	68
80	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	4	11
79	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	2.2	14
78	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	2.1	49
77	Molecular imprints as sorbents for solid phase extraction: potential and applications. <i>Analytical Communications</i> , 1998 , 35, 13-14		47
76	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, 373-88	2	51
75	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		45
74	Superheated deuterium oxide reversed-phase chromatography coupled to proton nuclear magnetic resonance spectroscopy. <i>Analytical Communications</i> , 1998 , 35, 261-263		33
73	Directly coupled CZE-NMR and CEC-NMR spectroscopy for metabolite analysis: paracetamol metabolites in human urine. <i>Analyst, The</i> , 1998 , 123, 2835-7	5	43
72	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, 527-37		183
71	Directly coupled HPLC-NMR and its application to drug metabolism. <i>Drug Metabolism Reviews</i> , 1997 , 29, 705-46	7	94
70	NMR spectroscopic studies on the metabolism and futile deacetylation of phenacetin in the rat. <i>Xenobiotica</i> , 1997 , 27, 1175-86	2	14
69	Evaluation of a Molecular-imprinted Polymer for use in the SolidPhase Extraction of Propranolol From Biological Fluids. <i>Analytical Communications</i> , 1997 , 34, 45-47		89

68	Application of Directly Coupled High-performance Liquid Chromatography-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		21
67	Application of Capillary Electrophoresis 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		21
66	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, 2972-5	7.8	6
65	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, 901-10	3.5	22
64	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, 4431-5	7.8	149
63	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, 2832-7	7.8	32
62	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, 106-10	7.8	38
61	NMR spectroscopic and theoretical chemistry studies on the internal acyl migration reactions of the 1-O-acyl-beta-D-glucopyranuronate conjugates of 2-, 3-, and 4-(trifluoromethyl) benzoic acids. <i>Chemical Research in Toxicology</i> , 1996 , 9, 1414-24	4	34
60	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, 2564-72	7.8	37
59	¹ H and ¹⁹ F-nmr spectroscopic studies on the metabolism and urinary excretion of mono- and disubstituted phenols in the rat. <i>Xenobiotica</i> , 1996 , 26, 255-73	2	18
58	Direct coupling of chromatographic separations to NMR spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1996 , 29, 1-49	10.4	126
57	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, 113-22		17
56	High-performance liquid chromatography directly coupled to ¹⁹ F and ¹ H NMR for the analysis of mixtures of isomeric ester glucuronide conjugates of trifluoromethylbenzoic acids. <i>Journal of Chromatography A</i> , 1996 , 728, 377-385	4.5	22
55	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	3.2	35
54	Solid state NMR and extraction studies on "phenyl"-bonded stationary phases used for solid phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995 , 13, 1305-12	3.5	9
53	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, 971-7	3.5	12
52	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	7.8	43
51	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, 1349-59	6	37

50	High resolution NMR spectroscopic studies on the metabolism and futile deacetylation of 4-hydroxyacetanilide (paracetamol) in the rat. <i>Biochemical Pharmacology</i> , 1995 , 49, 1155-64	6	31
49	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	7.8	39
48	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		13
47	Comparison of the properties of a normal and base deactivated bonded silica gel for the solid phase extraction of [¹⁴ C]-propranolol. <i>Analytical Proceedings</i> , 1995 , 32, 179		2
46	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	4.4	51
45	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, 419-24	3.5	10
44	Characterisation of C18-bonded silicas for solid-phase extraction by solid-state NMR spectroscopy. <i>Journal of Chromatography A</i> , 1994 , 665, 253-258	4.5	27
43	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		32
42	High Resolution ¹ H NMR Spectroscopic Monitoring of Extraction of Model Glucuronides on Phenylboronic Acid and C18 Bonded Phases 1994 , 127-138		1
41	Proton Nuclear Magnetic Spectroscopy: A Novel Method for the Study of Solid Phase Extraction 1994 , 37-52		
40	Hyphenated methods. <i>Analytical Proceedings</i> , 1993 , 30, 390		13
39	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, 327-307.8	7.8	117
38	Investigation of the human metabolism of antipyrine using coupled liquid chromatography and nuclear magnetic resonance spectroscopy of urine. <i>Biomedical Applications</i> , 1993 , 617, 324-8		32
37	Boronic esters as derivatives for supercritical fluid chromatography of ecdysteroids. <i>Journal of Chromatography A</i> , 1993 , 639, 281-285	4.5	5
36	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, 1009-15	3.5	53
35	An investigation of the effects of carbon loading and endcapping on the solid-phase extraction of beta-blockers onto C18 bonded silica gel. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993 , 11, 671-7	3.5	8
34	Micellar capillary electrophoresis of the ecdysteroids. <i>Chromatographia</i> , 1993 , 37, 37-42	2.1	11
33	The chromatographic properties of a mixed-bed stationary phase combining reversed-phase and strong anion exchange properties. <i>Chromatographia</i> , 1993 , 37, 60-64	2.1	14

32	Quantitative structure chromatography relationships in reversed-phase high performance liquid chromatography: Prediction of retention behaviour using theoretically derived molecular properties. <i>Chromatographia</i> , 1993 , 37, 241-249	2.1	20
31	Induction of 5-oxoprolinuria in the rat following chronic feeding with N-acetyl 4-aminophenol (paracetamol). <i>Biochemical Pharmacology</i> , 1993 , 46, 953-7	6	52
30	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	3.4	10
29	Advances in capillary electrophoresis. Micellar capillary electrophoresis of ecdysteroids. <i>Analytical Proceedings</i> , 1992 , 29, 386		10
28	Quantitative structure-metabolism relationships for substituted benzoic acids in the rat. Computational chemistry, NMR spectroscopy and pattern recognition studies. <i>Biochemical Pharmacology</i> , 1992 , 44, 1935-46	6	41
27	Thin layer chromatography/mass spectrometry: The advantages of tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1992 , 6, 608-615	2.2	23
26	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, 601-5	3.5	29
25	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, 895-9	3.5	13
24	Derivatized beta-cyclodextrins combined with high field NMR for enantiomer analysis: application to ICI 185,282 (5(Z)-7- ([2RS,4RS,5SR]-4-o-hydroxyphenyl-2-trifluoromethyl-1,3-dioxan-5-yl) heptenoic acid). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1991 , 9, 493-6	3.5	19
23	Use of high-field nuclear magnetic resonance spectroscopy for the analysis of biological fluids. <i>Analytical Proceedings</i> , 1991 , 28, 217		6
22	beta-Hydroxybutyrate: a urinary marker of imipenem induced nephrotoxicity in the cynomolgus monkey detected by high field ¹ H NMR spectroscopy. <i>Biochemical Pharmacology</i> , 1991 , 41, 2045-9	6	14
21	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, 401-10	3.5	34
20	Proton nuclear magnetic resonance of urine and bile from paracetamol dosed rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990 , 8, 969-73	3.5	9
19	Thin-Layer Chromatography of Ecdysteroids: Detection and Identification 1990 , 117-126		3
18	A Note on Overpressure Thin-Layer Chromatography of Ecdysteroids 1990 , 127-130		3
17	Examination of Conditions in Supercritical Fluid Chromatography for Analysis of Ecdysteroids 1990 , 95-102		2
16	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, 1077-86	3.5	14
15	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	4.5	26

14	High resolution proton magnetic resonance spectroscopy of biological fluids. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1989 , 21, 449-501	10.4	516
13	Supercritical fluid chromatography of ecdysteroids. <i>Journal of Chromatography A</i> , 1988 , 436, 497-502	4.5	23
12	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, 151-65	3.5	42
11	Revised method of proton NMR urinalysis for detecting inborn errors of metabolism: a critique.. <i>Clinical Chemistry</i> , 1988 , 34, 213-215	5.5	1
10	The metabolism of ingested and injected [3H]ecdysone by final instar larvae of <i>Heliothis armigera</i> . <i>Physiological Entomology</i> , 1987 , 12, 321-330	1.9	49
9	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, 2830-2	7.8	65
8	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, 723-7	3.5	35
7	High resolution nuclear magnetic resonance spectroscopy of biological samples as an aid to drug development. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 1987 , 31, 427-79		51
6	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, 663-5	3.5	27
5	pH dependent formation of beta-glucuronidase resistant conjugates from the biosynthetic ester glucuronide of isoxepac. <i>Biochemical Pharmacology</i> , 1981 , 30, 3381-4	6	43
4	The chemical control of arthropod moulting. <i>Pest Management Science</i> , 1978 , 9, 272-277		1
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