

John C Lindon

List of Publications by Year in descending order

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336
papers

38,454
citations

3515

90
h-index

3094

187
g-index

353
all docs

353
docs citations

353
times ranked

29141
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposed minimum reporting standards for chemical analysis. <i>Metabolomics</i> , 2007, 3, 211-221.	1.4	3,589
2	Metabolic profiling, metabolomic and metabonomic procedures for NMR spectroscopy of urine, plasma, serum and tissue extracts. <i>Nature Protocols</i> , 2007, 2, 2692-2703.	5.5	1,830
3	Metabonomics: a platform for studying drug toxicity and gene function. <i>Nature Reviews Drug Discovery</i> , 2002, 1, 153-161.	21.5	1,739
4	Metabonomics. <i>Nature</i> , 2008, 455, 1054-1056.	13.7	1,660
5	750 MHz ¹ H and ¹ H- ¹³ C NMR Spectroscopy of Human Blood Plasma. <i>Analytical Chemistry</i> , 1995, 67, 793-811.	3.2	972
6	Metabolic profiling reveals a contribution of gut microbiota to fatty liver phenotype in insulin-resistant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12511-12516.	3.3	948
7	Statistical Total Correlation Spectroscopy: An Exploratory Approach for Latent Biomarker Identification from Metabolic ¹ H NMR Data Sets. <i>Analytical Chemistry</i> , 2005, 77, 1282-1289.	3.2	833
8	Pharmaco-metabonomic phenotyping and personalized drug treatment. <i>Nature</i> , 2006, 440, 1073-1077.	13.7	787
9	Pharmacometabonomic identification of a significant host-microbiome metabolic interaction affecting human drug metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14728-14733.	3.3	665
10	Evaluation of the Orthogonal Projection on Latent Structure Model Limitations Caused by Chemical Shift Variability and Improved Visualization of Biomarker Changes in ¹ H NMR Spectroscopic Metabonomic Studies. <i>Analytical Chemistry</i> , 2005, 77, 517-526.	3.2	553
11	Improved WATERGATE Pulse Sequences for Solvent Suppression in NMR Spectroscopy. <i>Journal of Magnetic Resonance</i> , 1998, 132, 125-129.	1.2	518
12	Metabolic phenotyping in clinical and surgical environments. <i>Nature</i> , 2012, 491, 384-392.	13.7	450
13	Scaling and Normalization Effects in NMR Spectroscopic Metabonomic Data Sets. <i>Analytical Chemistry</i> , 2006, 78, 2262-2267.	3.2	438
14	Metabonomics technologies and their applications in physiological monitoring, drug safety assessment and disease diagnosis. <i>Biomarkers</i> , 2004, 9, 1-31.	0.9	425
15	NMR-based metabonomic approaches for evaluating physiological influences on biofluid composition. <i>NMR in Biomedicine</i> , 2005, 18, 143-162.	1.6	425
16	A top-down systems biology view of microbiome-mammalian metabolic interactions in a mouse model. <i>Molecular Systems Biology</i> , 2007, 3, 112.	3.2	420
17	Precision High-Throughput Proton NMR Spectroscopy of Human Urine, Serum, and Plasma for Large-Scale Metabolic Phenotyping. <i>Analytical Chemistry</i> , 2014, 86, 9887-9894.	3.2	419
18	Metabonomics: Metabolic processes studied by NMR spectroscopy of biofluids. <i>Concepts in Magnetic Resonance</i> , 2000, 12, 289-320.	1.3	401

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19	The metabolomics standards initiative (MSI). <i>Metabolomics</i> , 2007, 3, 175-178.	1.4	396
20	Probiotic modulation of symbiotic gut microbial–host metabolic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008, 4, 157.	3.2	392
21	Pattern recognition methods and applications in biomedical magnetic resonance. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2001, 39, 1-40.	3.9	384
22	Contemporary issues in toxicology the role of metabonomics in toxicology and its evaluation by the COMET project. <i>Toxicology and Applied Pharmacology</i> , 2003, 187, 137-146.	1.3	374
23	High-resolution magic-angle-spinning NMR spectroscopy for metabolic profiling of intact tissues. <i>Nature Protocols</i> , 2010, 5, 1019-1032.	5.5	355
24	The challenges of modeling mammalian biocomplexity. <i>Nature Biotechnology</i> , 2004, 22, 1268-1274.	9.4	351
25	Colonization-Induced Host-Gut Microbial Metabolic Interaction. <i>MBio</i> , 2011, 2, e00271-10.	1.8	342
26	Susceptibility of Human Metabolic Phenotypes to Dietary Modulation. <i>Journal of Proteome Research</i> , 2006, 5, 2780-2788.	1.8	337
27	Assessment of Analytical Reproducibility of ¹ H NMR Spectroscopy Based Metabonomics for Large-Scale Epidemiological Research: The INTERMAP Study. <i>Analytical Chemistry</i> , 2006, 78, 2199-2208.	3.2	332
28	Statistical Heterospectroscopy, an Approach to the Integrated Analysis of NMR and UPLC-MS Data Sets: Application in Metabonomic Toxicology Studies. <i>Analytical Chemistry</i> , 2006, 78, 363-371.	3.2	330
29	The Metabolomics Standards Initiative. <i>Nature Biotechnology</i> , 2007, 25, 846-848.	9.4	328
30	NMR Spectroscopy of Biofluids. <i>Annual Reports on NMR Spectroscopy</i> , 1999, 38, 1-88.	0.7	314
31	Recursive Segment-Wise Peak Alignment of Biological ¹ H NMR Spectra for Improved Metabolic Biomarker Recovery. <i>Analytical Chemistry</i> , 2009, 81, 56-66.	3.2	303
32	NMR-Based Metabolic Profiling and Metabonomic Approaches to Problems in Molecular Toxicology. <i>Chemical Research in Toxicology</i> , 2008, 21, 9-27.	1.7	289
33	Chemometric Models for Toxicity Classification Based on NMR Spectra of Biofluids. <i>Chemical Research in Toxicology</i> , 2000, 13, 471-478.	1.7	277
34	The Consortium for Metabonomic Toxicology (COMET): aims, activities and achievements. <i>Pharmacogenomics</i> , 2005, 6, 691-699.	0.6	277
35	Urinary Metabolic Phenotyping Differentiates Children with Autism from Their Unaffected Siblings and Age-Matched Controls. <i>Journal of Proteome Research</i> , 2010, 9, 2996-3004.	1.8	277
36	Spectroscopic and Statistical Techniques for Information Recovery in Metabonomics and Metabolomics. <i>Annual Review of Analytical Chemistry</i> , 2008, 1, 45-69.	2.8	270

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37	Analytical Reproducibility in ¹ H NMR-Based Metabonomic Urinalysis. <i>Chemical Research in Toxicology</i> , 2002, 15, 1380-1386.	1.7	261
38	Summary recommendations for standardization and reporting of metabolic analyses. <i>Nature Biotechnology</i> , 2005, 23, 833-838.	9.4	261
39	Metabonomics in pharmaceutical R&D. <i>FEBS Journal</i> , 2007, 274, 1140-1151.	2.2	258
40	Metabonomics Techniques and Applications to Pharmaceutical Research & Development. <i>Pharmaceutical Research</i> , 2006, 23, 1075-1088.	1.7	256
41	An Integrated Metabonomic Investigation of Acetaminophen Toxicity in the Mouse Using NMR Spectroscopy. <i>Chemical Research in Toxicology</i> , 2003, 16, 295-303.	1.7	245
42	Optimized Preprocessing of Ultra-Performance Liquid Chromatography/Mass Spectrometry Urinary Metabolic Profiles for Improved Information Recovery. <i>Analytical Chemistry</i> , 2011, 83, 5864-5872.	3.2	240
43	Use of relaxation-edited one-dimensional and two dimensional nuclear magnetic resonance spectroscopy to improve detection of small metabolites in blood plasma. <i>Analytical Biochemistry</i> , 2004, 325, 260-272.	1.1	212
44	Cryogenic Probe ¹³ C NMR Spectroscopy of Urine for Metabonomic Studies. <i>Analytical Chemistry</i> , 2002, 74, 4588-4593.	3.2	200
45	Peer Reviewed: So What's the Deal with Metabonomics?. <i>Analytical Chemistry</i> , 2003, 75, 384 A-391 A.	3.2	189
46	Metabonomic Investigations into Hydrazine Toxicity in the Rat. <i>Chemical Research in Toxicology</i> , 2001, 14, 975-987.	1.7	179
47	Directly coupled HPLC-NMR and HPLC-NMR-MS in pharmaceutical research and development. <i>Biomedical Applications</i> , 2000, 748, 233-258.	1.7	177
48	Species Variation in the Fecal Metabolome Gives Insight into Differential Gastrointestinal Function. <i>Journal of Proteome Research</i> , 2008, 7, 352-360.	1.8	170
49	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.	3.2	169
50	Quantitative Lipoprotein Subclass and Low Molecular Weight Metabolite Analysis in Human Serum and Plasma by ¹ H NMR Spectroscopy in a Multilaboratory Trial. <i>Analytical Chemistry</i> , 2018, 90, 11962-11971.	3.2	165
51	Improved analysis of multivariate data by variable stability scaling: application to NMR-based metabolic profiling. <i>Analytica Chimica Acta</i> , 2003, 490, 265-276.	2.6	164
52	Prediction and Classification of Drug Toxicity Using Probabilistic Modeling of Temporal Metabolic Data: The Consortium on Metabonomic Toxicology Screening Approach. <i>Journal of Proteome Research</i> , 2007, 6, 4407-4422.	1.8	164
53	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.	1.4	163
54	Metabonomics and its role in drug development and disease diagnosis. <i>Expert Review of Molecular Diagnostics</i> , 2004, 4, 189-199.	1.5	161

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55	Human metabolic profiles are stably controlled by genetic and environmental variation. <i>Molecular Systems Biology</i> , 2011, 7, 525.	3.2	158
56	Human Metabolic Phenotypes Link Directly to Specific Dietary Preferences in Healthy Individuals. <i>Journal of Proteome Research</i> , 2007, 6, 4469-4477.	1.8	156
57	750 MHz ¹ H NMR spectroscopy characterisation of the complex metabolic pattern of urine from patients with inborn errors of metabolism: 2-hydroxyglutaric aciduria and maple syrup urine disease. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 15, 1647-1659.	1.4	152
58	Panorganismal Gut Microbiome-Host Metabolic Crosstalk. <i>Journal of Proteome Research</i> , 2009, 8, 2090-2105.	1.8	151
59	High-Resolution Diffusion and Relaxation Edited One- and Two-Dimensional ¹ H NMR Spectroscopy of Biological Fluids. <i>Analytical Chemistry</i> , 1996, 68, 3370-3376.	3.2	145
60	Spectral editing and pattern recognition methods applied to high-resolution magic-angle spinning ¹ H nuclear magnetic resonance spectroscopy of liver tissues. <i>Analytical Biochemistry</i> , 2003, 323, 26-32.	1.1	144
61	The identification of novel biomarkers of renal toxicity using automatic data reduction techniques and PCA of proton NMR spectra of urine. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1998, 44, 245-255.	1.8	143
62	Geometric Trajectory Analysis of Metabolic Responses To Toxicity Can Define Treatment Specific Profiles. <i>Chemical Research in Toxicology</i> , 2004, 17, 579-587.	1.7	143
63	NMR-based metabonomic toxicity classification: hierarchical cluster analysis and k-nearest-neighbour approaches. <i>Analytica Chimica Acta</i> , 2003, 490, 3-15.	2.6	142
64	The Comparison of Plasma Deproteinization Methods for the Detection of Low-Molecular-Weight Metabolites by ¹ H Nuclear Magnetic Resonance Spectroscopy. <i>Analytical Biochemistry</i> , 2002, 304, 220-230.	1.1	140
65	Direct coupling of chromatographic separations to NMR spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1996, 29, 1-49.	3.9	137
66	Pharmacometabonomics as an effector for personalized medicine. <i>Pharmacogenomics</i> , 2011, 12, 103-111.	0.6	136
67	HILIC-UPLC-MS for Exploratory Urinary Metabolic Profiling in Toxicological Studies. <i>Analytical Chemistry</i> , 2011, 83, 382-390.	3.2	135
68	Biochemical classification of kidney carcinoma biopsy samples using magic-angle-spinning ¹ H nuclear magnetic resonance spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 17, 125-132.	1.4	133
69	A Genome-Wide Metabolic QTL Analysis in Europeans Implicates Two Loci Shaped by Recent Positive Selection. <i>PLoS Genetics</i> , 2011, 7, e1002270.	1.5	132
70	Environmental Metabonomics: Applying Combination Biomarker Analysis in Earthworms at a Metal Contaminated Site. <i>Ecotoxicology</i> , 2004, 13, 797-806.	1.1	128
71	Comparative metabonomics of differential hydrazine toxicity in the rat and mouse. <i>Toxicology and Applied Pharmacology</i> , 2005, 204, 135-151.	1.3	125
72	Analytical technologies for metabonomics and metabolomics, and multi-omic information recovery. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 194-204.	5.8	125

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73	Robust Data Processing and Normalization Strategy for MALDI Mass Spectrometric Imaging. <i>Analytical Chemistry</i> , 2012, 84, 1310-1319.	3.2	123
74	NMR spectroscopy as a novel approach to the monitoring of renal transplant function. <i>Kidney International</i> , 1993, 43, 234-245.	2.6	118
75	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.	3.2	118
76	Acyl Glucuronides: Biological Activity, Chemical Reactivity, and Chemical Synthesis. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6931-6945.	2.9	116
77	High resolution magic angle spinning ¹ H nuclear magnetic resonance analysis of intact prostatic hyperplastic and tumour tissues. <i>Analytical Communications</i> , 1998, 35, 113-115.	2.2	114
78	Stability and Robustness of Human Metabolic Phenotypes in Response to Sequential Food Challenges. <i>Journal of Proteome Research</i> , 2012, 11, 643-655.	1.8	113
79	Development and Application of Ultra-Performance Liquid Chromatography-TOF MS for Precision Large Scale Urinary Metabolic Phenotyping. <i>Analytical Chemistry</i> , 2016, 88, 9004-9013.	3.2	113
80	Metabonomic assessment of toxicity of 4-fluoroaniline, 3,5-difluoroaniline and 2-fluoro-4-methylaniline to the earthworm <i>Eisenia veneta</i> (rosa): Identification of new endogenous biomarkers. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1966-1972.	2.2	110
81	Metabonomic Studies on the Physiological Effects of Acute and Chronic Psychological Stress in Sprague-Dawley Rats. <i>Journal of Proteome Research</i> , 2007, 6, 2080-2093.	1.8	109
82	High-resolution magic angle spinning NMR spectroscopy: Application to biomedical studies. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2009, 55, 79-100.	3.9	108
83	Serum metabolic signatures of coronary and carotid atherosclerosis and subsequent cardiovascular disease. <i>European Heart Journal</i> , 2019, 40, 2883-2896.	1.0	107
84	Directly Coupled HPLC-NMR and Its Application to Drug Metabolism. <i>Drug Metabolism Reviews</i> , 1997, 29, 705-746.	1.5	104
85	Identification of Human Urinary Biomarkers of Cruciferous Vegetable Consumption by Metabonomic Profiling. <i>Journal of Proteome Research</i> , 2011, 10, 4513-4521.	1.8	104
86	Metabolic Assessment of Human Liver Transplants from Biopsy Samples at the Donor and Recipient Stages Using High-Resolution Magic Angle Spinning ¹ H NMR Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 5570-5578.	3.2	102
87	A metabolic system-wide characterisation of the pig: a model for human physiology. <i>Molecular BioSystems</i> , 2011, 7, 2577.	2.9	101
88	Evaluation of Full-Resolution ¹ H-Resolved ¹ H NMR Projections of Biofluids for Metabonomics Information Retrieval and Biomarker Identification. <i>Analytical Chemistry</i> , 2010, 82, 1811-1821.	3.2	96
89	Distinction between normal and renal cell carcinoma kidney cortical biopsy samples using pattern recognition of ¹ H magic angle spinning (MAS) NMR spectra. <i>NMR in Biomedicine</i> , 2000, 13, 64-71.	1.6	94
90	UPLC-MS metabolic profiling of second trimester amniotic fluid and maternal urine and comparison with NMR spectral profiling for the identification of pregnancy disorder biomarkers. <i>Molecular BioSystems</i> , 2012, 8, 1243.	2.9	94

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91	Hyperspectral Visualization of Mass Spectrometry Imaging Data. <i>Analytical Chemistry</i> , 2013, 85, 1415-1423.	3.2	93
92	An Integrated Metabonomic Approach To Describe Temporal Metabolic Disregulation Induced in the Rat by the Model Hepatotoxin Allyl Formate. <i>Journal of Proteome Research</i> , 2006, 5, 2675-2684.	1.8	90
93	Earthworm species of the genus <i>Eisenia</i> can be phenotypically differentiated by metabolic profiling. <i>FEBS Letters</i> , 2002, 521, 115-120.	1.3	89
94	Ultra Performance Liquid Chromatography-Mass Spectrometry Profiling of Bile Acid Metabolites in Biofluids: Application to Experimental Toxicology Studies. <i>Analytical Chemistry</i> , 2010, 82, 5282-5289.	3.2	89
95	Automatic alignment of individual peaks in large high-resolution spectral data sets. <i>Journal of Magnetic Resonance</i> , 2004, 170, 329-335.	1.2	88
96	Effects of Probiotic <i>Lactobacillus Paracasei</i> Treatment on the Host Gut Tissue Metabolic Profiles Probed via Magic-Angle-Spinning NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2007, 6, 1471-1481.	1.8	88
97	¹ H NMR Spectroscopy-Based Interventional Metabolic Phenotyping: A Cohort Study of Rheumatoid Arthritis Patients. <i>Journal of Proteome Research</i> , 2010, 9, 4545-4553.	1.8	88
98	Statistical Correlation and Projection Methods for Improved Information Recovery from Diffusion-Edited NMR Spectra of Biological Samples. <i>Analytical Chemistry</i> , 2007, 79, 5682-5689.	3.2	87
99	Directly Coupled 800 MHz HPLC-NMR Spectroscopy of Urine and Its Application to the Identification of the Major Phase II Metabolites of Tolfenamic Acid. <i>Analytical Chemistry</i> , 1997, 69, 607-612.	3.2	86
100	Top-down systems biology integration of conditional prebiotic modulated transgenomic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008, 4, 205.	3.2	86
101	Incomplete Systemic Recovery and Metabolic Phenoreversion in Post-Acute-Phase Nonhospitalized COVID-19 Patients: Implications for Assessment of Post-Acute COVID-19 Syndrome. <i>Journal of Proteome Research</i> , 2021, 20, 3315-3329.	1.8	85
102	600 MHz ¹ H-NMR spectroscopy of human cerebrospinal fluid: Effects of sample manipulation and assignment of resonances. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 651-664.	1.4	81
103	Measurement of Biomolecular Diffusion Coefficients in Blood Plasma Using Two-Dimensional ¹ H- ¹ H Diffusion-Edited Total-Correlation NMR Spectroscopy. <i>Analytical Chemistry</i> , 1997, 69, 1504-1509.	3.2	81
104	Metabolomics Standards Workshop and the development of international standards for reporting metabolomics experimental results. <i>Briefings in Bioinformatics</i> , 2006, 7, 159-165.	3.2	81
105	Statistical Spectroscopic Tools for Biomarker Discovery and Systems Medicine. <i>Analytical Chemistry</i> , 2013, 85, 5297-5303.	3.2	77
106	Toxicity classification from metabonomic data using a density superposition approach: CLOUDS™. <i>Antonica Chimica Acta</i> , 2003, 490, 109-122.	2.6	76
107	Transgenomic Metabolic Interactions in a Mouse Disease Model: Interactions of <i>Trichinella spiralis</i> Infection with Dietary <i>Lactobacillus paracasei</i> Supplementation. <i>Journal of Proteome Research</i> , 2006, 5, 2185-2193.	1.8	76
108	Experimental Metabonomic Model of Dietary Variation and Stress Interactions. <i>Journal of Proteome Research</i> , 2006, 5, 1535-1542.	1.8	75

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109	NMR-Based Metabolic Profiling Identifies Biomarkers of Liver Regeneration Following Partial Hepatectomy in the Rat. <i>Journal of Proteome Research</i> , 2010, 9, 59-69.	1.8	75
110	Subset Optimization by Reference Matching (STORM): An Optimized Statistical Approach for Recovery of Metabolic Biomarker Structural Information from ¹ H NMR Spectra of Biofluids. <i>Analytical Chemistry</i> , 2012, 84, 10694-10701.	3.2	75
111	The emergent role of metabolic phenotyping in dynamic patient stratification. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014, 10, 915-919.	1.5	75
112	Topographical Variation in Metabolic Signatures of Human Gastrointestinal Biopsies Revealed by High-Resolution Magic-Angle Spinning ¹ H NMR Spectroscopy. <i>Journal of Proteome Research</i> , 2007, 6, 3944-3951.	1.8	72
113	The influence of EDTA and citrate anticoagulant addition to human plasma on information recovery from NMR-based metabolic profiling studies. <i>Molecular BioSystems</i> , 2010, 6, 215.	2.9	70
114	Identifying unknown metabolites using NMR-based metabolic profiling techniques. <i>Nature Protocols</i> , 2020, 15, 2538-2567.	5.5	69
115	Classification of toxin-induced changes in ¹ H NMR spectra of urine using an artificial neural network. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 205-211.	1.4	65
116	Statistical experimental design and partial least squares regression analysis of biofluid metabonomic NMR and clinical chemistry data for screening of adverse drug effects. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 73, 139-149.	1.8	64
117	Magic Angle Spinning Proton Nuclear Magnetic Resonance Spectroscopic Analysis of Intact Kidney Tissue Samples. <i>Analytical Communications</i> , 1997, 34, 107-109.	2.2	63
118	Detection of in vivo biomarkers of phospholipidosis using NMR-based metabonomic approaches. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 559-565.	1.1	62
119	Topographical Variation in Murine Intestinal Metabolic Profiles in Relation to Microbiome Speciation and Functional Ecological Activity. <i>Journal of Proteome Research</i> , 2009, 8, 3464-3474.	1.8	62
120	NMR-Based Metabonomic Studies on the Biochemical Effects of Epicatechin in the Rat. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4139-4145.	2.4	61
121	Biochemical Characterization of Rat Intestine Development Using High-Resolution Magic-Angle-Spinning ¹ H NMR Spectroscopy and Multivariate Data Analysis. <i>Journal of Proteome Research</i> , 2005, 4, 1324-1329.	1.8	61
122	NMR Spectroscopic Windows on the Systemic Effects of SARS-CoV-2 Infection on Plasma Lipoproteins and Metabolites in Relation to Circulating Cytokines. <i>Journal of Proteome Research</i> , 2021, 20, 1382-1396.	1.8	61
123	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.	0.7	59
124	Directly coupled HPLC-NMR and HPLC-MS approaches for the rapid characterisation of drug metabolites in urine: application to the human metabolism of naproxen. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 24, 569-579.	1.4	59
125	NMR-Based Metabonomic Studies on the Biochemical Effects of Commonly Used Drug Carrier Vehicles in the Rat. <i>Chemical Research in Toxicology</i> , 2002, 15, 1136-1141.	1.7	59
126	An hypothesis for a mechanism underlying hepatotoxin-induced hypercreatinuria. <i>Archives of Toxicology</i> , 2003, 77, 208-217.	1.9	59

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127	Omics and its potential impact on R&D and regulation of complex herbal products. Journal of Ethnopharmacology, 2012, 140, 587-593.	2.0	59
128	Heteronuclear ¹ H- ³¹ P Statistical Total Correlation NMR Spectroscopy of Intact Liver for Metabolic Biomarker Assignment: Application to Galactosamine-Induced Hepatotoxicity. Analytical Chemistry, 2007, 79, 8956-8966.	3.2	58
129	Robust Algorithms for Automated Chemical Shift Calibration of 1D ¹ H NMR Spectra of Blood Serum. Analytical Chemistry, 2008, 80, 7158-7162.	3.2	58
130	Targeting the Human Genome-“Microbiome Axis for Drug Discovery: Inspirations from Global Systems Biology and Traditional Chinese Medicine. Journal of Proteome Research, 2012, 11, 3509-3519.	1.8	57
131	Longitudinal pharmacometabonomics for predicting patient responses to therapy: drug metabolism, toxicity and efficacy. Expert Opinion on Drug Metabolism and Toxicology, 2012, 8, 135-139.	1.5	57
132	Flow Injection Proton Nuclear Magnetic Resonance Spectroscopy Combined With Pattern Recognition Methods: Implications for Rapid Structural Studies and High Throughput Biochemical Screening. Analytical Communications, 1997, 34, 339-341.	2.2	56
133	Optimization of Human Plasma ¹ H NMR Spectroscopic Data Processing for High-Throughput Metabolic Phenotyping Studies and Detection of Insulin Resistance Related to Type 2 Diabetes. Analytical Chemistry, 2008, 80, 7354-7362.	3.2	56
134	Genetic algorithms for simultaneous variable and sample selection in metabonomics. Bioinformatics, 2009, 25, 112-118.	1.8	56
135	Metabonomics: systems biology in pharmaceutical research and development. Current Opinion in Molecular Therapeutics, 2004, 6, 265-72.	2.8	56
136	Use of ¹ H NMR-determined diffusion coefficients to characterize lipoprotein fractions in human blood plasma. Magnetic Resonance in Chemistry, 2002, 40, S83-S88.	1.1	55
137	Temporal Metabonomic Modeling of ¹ H-Arginine-Induced Exocrine Pancreatitis. Journal of Proteome Research, 2008, 7, 4435-4445.	1.8	55
138	Characterisation of impurities in bulk drug batches of fluticasone propionate using directly coupled HPLC-NMR spectroscopy and HPLC-MS. Journal of Pharmaceutical and Biomedical Analysis, 1997, 16, 697-705.	1.4	53
139	Directly coupled CZE-NMR and CEC-NMR spectroscopy for metabolite analysis: paracetamol metabolites in human urine. Analyst, The, 1998, 123, 2835-2837.	1.7	53
140	Heteronuclear ¹⁹ F- ¹ H Statistical Total Correlation Spectroscopy as a Tool in Drug Metabolism: Study of Flucloxacillin Biotransformation. Analytical Chemistry, 2008, 80, 1073-1079.	3.2	53
141	Identification of metabolites in human hepatic bile using 800 MHz ¹ H NMR spectroscopy, HPLC-NMR/MS and UPLC-MS. Molecular BioSystems, 2009, 5, 180-190.	2.9	53
142	NMR spectroscopy of human post mortem cerebrospinal fluid: Distinction of Alzheimer's disease from control using pattern recognition and statistics. NMR in Biomedicine, 1993, 6, 163-167.	1.6	52
143	On-flow identification of metabolites of paracetamol from human urine using directly coupled CZE-NMR and CEC-NMR spectroscopy. Analytical Communications, 1998, 35, 213-215.	2.2	52
144	A metabonomic investigation of hepatotoxicity using diffusion-edited ¹ H NMR spectroscopy of blood serum. Analyst, The, 2003, 128, 814.	1.7	52

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145	Statistical Search Space Reduction and Two-Dimensional Data Display Approaches for UPLC-MS in Biomarker Discovery and Pathway Analysis. <i>Analytical Chemistry</i> , 2006, 78, 4398-4408.	3.2	52
146	Data-Driven Approach for Metabolite Relationship Recovery in Biological ¹ H NMR Data Sets Using Iterative Statistical Total Correlation Spectroscopy. <i>Analytical Chemistry</i> , 2011, 83, 2075-2082.	3.2	52
147	Magic Angle Spinning NMR and ¹ H ³¹ P Heteronuclear Statistical Total Correlation Spectroscopy of Intact Human Gut Biopsies. <i>Analytical Chemistry</i> , 2008, 80, 1058-1066.	3.2	51
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