

John C Lindon

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.

332
papers

32,776
citations

85
h-index

175
g-index

353
ext. papers

35,988
ext. citations

6.8
avg, IF

6.84
L-index

#	Paper	IF	Citations
332	The influence of sample collection, handling and low temperature storage upon NMR metabolic profiling analysis in human synovial fluid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 197, 113942	3.5	1
331	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	5.6	20
330	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	5.6	25
329	Differences between infected and noninfected synovial fluid. <i>Bone and Joint Research</i> , 2021 , 10, 85-95	4.2	0
328	Diffusion and Relaxation Edited Proton NMR Spectroscopy of Plasma Reveals a High-Fidelity Supramolecular Biomarker Signature of SARS-CoV-2 Infection. <i>Analytical Chemistry</i> , 2021 , 93, 3976-3986	7.8	11
327	Low Volume in Vitro Diagnostic Proton NMR Spectroscopy of Human Blood Plasma for Lipoprotein and Metabolite Analysis: Application to SARS-CoV-2 Biomarkers. <i>Journal of Proteome Research</i> , 2021 , 20, 1415-1423	5.6	8
326	Can joint fluid metabolic profiling (or "metabonomics") reveal biomarkers for osteoarthritis and inflammatory joint disease?: A systematic review. <i>Bone and Joint Research</i> , 2020 , 9, 108-119	4.2	9
325	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
324	Identifying unknown metabolites using NMR-based metabolic profiling techniques. <i>Nature Protocols</i> , 2020 , 15, 2538-2567	18.8	38
323	Quantitative In-Vitro Diagnostic NMR Spectroscopy for Lipoprotein and Metabolite Measurements in Plasma and Serum: Recommendations for Analytical Artifact Minimization with Special Reference to COVID-19/SARS-CoV-2 Samples. <i>Journal of Proteome Research</i> , 2020 , 19, 4428-4441	5.6	15
322	Improved Spatial Resolution of Metabolites in Tissue Biopsies Using High-Resolution Magic-Angle-Spinning Slice Localization NMR Spectroscopy. <i>Analytical Chemistry</i> , 2020 , 92, 11516-11519	7.8	3
321	A Unified Conceptual Framework for Metabolic Phenotyping in Diagnosis and Prognosis. <i>Trends in Pharmacological Sciences</i> , 2019 , 40, 763-773	13.2	15
320	NMR and MS urinary metabolic phenotyping in kidney diseases is fit-for-purpose in the presence of a protease inhibitor. <i>Molecular Omics</i> , 2019 , 15, 39-49	4.4	2
319	Serum metabolic signatures of coronary and carotid atherosclerosis and subsequent cardiovascular disease. <i>European Heart Journal</i> , 2019 , 40, 2883-2896	9.5	58
318	Application of novel solid phase extraction-NMR protocols for metabolic profiling of human urine. <i>Faraday Discussions</i> , 2019 , 218, 395-416	3.6	
317	An Overview of Metabolic Phenotyping and Its Role in Systems Biology 2019 , 1-51		2
316	Conception, Implementation and Operation of Large-Scale Metabolic Phenotyping Centres: Phenome Centres 2019 , 385-405		

315	Metabolic Phenotyping: History, Status, and Prospects 2019 , 571-583		
314	Optimized Phenotypic Biomarker Discovery and Confounder Elimination via Covariate-Adjusted Projection to Latent Structures from Metabolic Spectroscopy Data. <i>Journal of Proteome Research</i> , 2018 , 17, 1586-1595	5.6	20
313	A comparison of human serum and plasma metabolites using untargeted H NMR spectroscopy and UPLC-MS. <i>Metabolomics</i> , 2018 , 14, 32	4.7	20
312	Nuclear Magnetic Resonance Spectroscopy Resonance-Based Metabolic Phenotyping An Overview 2018 , 375-375		
311	NMR-Based Metabolic Phenotyping Techniques and Applications 2018 , 2163-2187		
310	Quantitative Lipoprotein Subclass and Low Molecular Weight Metabolite Analysis in Human Serum and Plasma by H NMR Spectroscopy in a Multilaboratory Trial. <i>Analytical Chemistry</i> , 2018 , 90, 11962-11971	7.8	83
309	Integrated Analytical and Statistical Two-Dimensional Spectroscopy Strategy for Metabolite Identification: Application to Dietary Biomarkers. <i>Analytical Chemistry</i> , 2017 , 89, 3300-3309	7.8	34
308	Improving Visualization and Interpretation of Metabolome-Wide Association Studies: An Application in a Population-Based Cohort Using Untargeted H NMR Metabolic Profiling. <i>Journal of Proteome Research</i> , 2017 , 16, 3623-3633	5.6	17
307	J-Resolved H NMR 1D-Projections for Large-Scale Metabolic Phenotyping Studies: Application to Blood Plasma Analysis. <i>Analytical Chemistry</i> , 2017 , 89, 11405-11412	7.8	13
306	NMR-based Metabolic Phenotyping Techniques and Applications 2017 , 1-25		1
305	Workflow for Integrated Processing of Multicohort Untargeted H NMR Metabolomics Data in Large-Scale Metabolic Epidemiology. <i>Journal of Proteome Research</i> , 2016 , 15, 4188-4194	5.6	28
304	Multipplatform serum metabolic phenotyping combined with pathway mapping to identify biochemical differences in smokers. <i>Bioanalysis</i> , 2016 , 8, 2023-43	2.1	20
303	Future Visions for Clinical Metabolic Phenotyping 2016 , 369-388		
302	Pharmacometabonomics and Predictive Metabonomics 2016 , 137-165		1
301	The Development of Metabolic Phenotyping A Historical Perspective 2016 , 17-48		2
300	Topological analysis of metabolic networks integrating co-segregating transcriptomes and metabolomes in type 2 diabetic rat congenic series. <i>Genome Medicine</i> , 2016 , 8, 101	14.4	14
299	Development and Application of Ultra-Performance Liquid Chromatography-TOF MS for Precision Large Scale Urinary Metabolic Phenotyping. <i>Analytical Chemistry</i> , 2016 , 88, 9004-13	7.8	71
298	Determination of the tautomeric equilibria of pyridoyl benzoyl Ediketones in the liquid and solid state through the use of deuterium isotope effects on (1)H and (13)C NMR chemical shifts and spin coupling constants. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt A, 107-12	4.4	6

297	The urinary proteome and metabolome differ from normal in adults with mitochondrial disease. <i>Kidney International</i> , 2015 , 87, 610-22	9.9	26
296	Mixture Analysis in Pharmaceutical R&D Using Hyphenated NMR Techniques 2015 , 151-158		1
295	¹⁹ F NMR Spectroscopy: Applications in Pharmaceutical Studies 2015 , 189-196		6
294	Precision high-throughput proton NMR spectroscopy of human urine, serum, and plasma for large-scale metabolic phenotyping. <i>Analytical Chemistry</i> , 2014 , 86, 9887-94	7.8	291
293	Application of CE-MS to a metabolomics study of human urine from cigarette smokers and non-smokers. <i>Bioanalysis</i> , 2014 , 6, 2733-49	2.1	18
292	Hyperspectral visualization of mass spectrometry imaging data. <i>Analytical Chemistry</i> , 2013 , 85, 1415-23	7.8	73
291	Development of quantitative structure-metabolism (QSMR) relationships for substituted anilines based on computational chemistry. <i>Xenobiotica</i> , 2013 , 43, 792-802	2	5
290	Statistical spectroscopic tools for biomarker discovery and systems medicine. <i>Analytical Chemistry</i> , 2013 , 85, 5297-303	7.8	70
289	Metabolic phenotyping in clinical and surgical environments. <i>Nature</i> , 2012 , 491, 384-92	50.4	364
288	Untargeted metabolome quantitative trait locus mapping associates variation in urine glycerate to mutant glycerate kinase. <i>Journal of Proteome Research</i> , 2012 , 11, 631-42	5.6	23
287	Robust data processing and normalization strategy for MALDI mass spectrometric imaging. <i>Analytical Chemistry</i> , 2012 , 84, 1310-9	7.8	107
286	Pharmacometabonomic investigation of dynamic metabolic phenotypes associated with variability in response to galactosamine hepatotoxicity. <i>Journal of Proteome Research</i> , 2012 , 11, 2427-40	5.6	31
285	Pharmacometabonomic characterization of xenobiotic and endogenous metabolic phenotypes that account for inter-individual variation in isoniazid-induced toxicological response. <i>Journal of Proteome Research</i> , 2012 , 11, 4630-42	5.6	30
284	Targeting the human genome-microbiome axis for drug discovery: inspirations from global systems biology and traditional Chinese medicine. <i>Journal of Proteome Research</i> , 2012 , 11, 3509-19	5.6	49
283	Intra- and interlaboratory reproducibility of ultra performance liquid chromatography-time-of-flight mass spectrometry for urinary metabolic profiling. <i>Analytical Chemistry</i> , 2012 , 84, 2424-32	7.8	36
282	Omics and its potential impact on R&D and regulation of complex herbal products. <i>Journal of Ethnopharmacology</i> , 2012 , 140, 587-93	5	50
281	Chiral metabolomics: ¹ H NMR-based enantiospecific differentiation of metabolites in human urine via direct cosolvation with β-cyclodextrin. <i>Analytical Chemistry</i> , 2012 , 84, 2868-74	7.8	31
280	Evaluation of high resolution magic-angle coil spinning NMR spectroscopy for metabolic profiling of nanoliter tissue biopsies. <i>Analytical Chemistry</i> , 2012 , 84, 3843-8	7.8	34

279	Subset optimization by reference matching (STORM): an optimized statistical approach for recovery of metabolic biomarker structural information from 1H NMR spectra of biofluids. <i>Analytical Chemistry</i> , 2012 , 84, 10694-701	7.8	64
278	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, 1243-54		78
277	Statistical total correlation spectroscopy scaling for enhancement of metabolic information recovery in biological NMR spectra. <i>Analytical Chemistry</i> , 2012 , 84, 1083-91	7.8	20
276	Stability and robustness of human metabolic phenotypes in response to sequential food challenges. <i>Journal of Proteome Research</i> , 2012 , 11, 643-55	5.6	103
275	Identification of human urinary biomarkers of cruciferous vegetable consumption by metabonomic profiling. <i>Journal of Proteome Research</i> , 2011 , 10, 4513-21	5.6	89
274	Synthesis of a series of phenylacetic acid 1- β -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
273	Colonization-induced host-gut microbial metabolic interaction. <i>MBio</i> , 2011 , 2, e00271-10	7.8	281
272	Non-linear modeling of 1H NMR metabonomic data using kernel-based orthogonal projections to latent structures optimized by simulated annealing. <i>Analytica Chimica Acta</i> , 2011 , 705, 72-80	6.6	12
271	HILIC-UPLC-MS for exploratory urinary metabolic profiling in toxicological studies. <i>Analytical Chemistry</i> , 2011 , 83, 382-90	7.8	128
270	Optimized preprocessing of ultra-performance liquid chromatography/mass spectrometry urinary metabolic profiles for improved information recovery. <i>Analytical Chemistry</i> , 2011 , 83, 5864-72	7.8	201
269	Data-driven approach for metabolite relationship recovery in biological 1H NMR data sets using iterative statistical total correlation spectroscopy. <i>Analytical Chemistry</i> , 2011 , 83, 2075-82	7.8	35
268	Pharmacometabonomics as an effector for personalized medicine. <i>Pharmacogenomics</i> , 2011 , 12, 103-11	2.6	118
267	Bile UPLC-MS fingerprinting and bile acid fluxes during human liver transplantation. <i>Electrophoresis</i> , 2011 , 32, 2063-70	3.6	34
266	A metabolic system-wide characterisation of the pig: a model for human physiology. <i>Molecular BioSystems</i> , 2011 , 7, 2577-88		89
265	Response to Comment on Optimized Preprocessing of Ultra-Performance Liquid Chromatography/Mass Spectrometry Urinary Metabolic Profiles for Improved Information Recovery. <i>Analytical Chemistry</i> , 2011 , 83, 9721-9722	7.8	2
264	Human metabolic profiles are stably controlled by genetic and environmental variation. <i>Molecular Systems Biology</i> , 2011 , 7, 525	12.2	119
263	Urinary metabolites of 2-bromoethanamine identified by stable isotope labelling: evidence for carbamoylation and glutathione conjugation. <i>Xenobiotica</i> , 2011 , 41, 144-54	2	9
262	A genome-wide metabolic QTL analysis in Europeans implicates two loci shaped by recent positive selection. <i>PLoS Genetics</i> , 2011 , 7, e1002270	6	109

261	Processing and modeling of nuclear magnetic resonance (NMR) metabolic profiles. <i>Methods in Molecular Biology</i> , 2011 , 708, 365-88	1.4	23
260	The -Omics in Drug Development 2011 , 145-173		1
259	High-resolution magic-angle-spinning NMR spectroscopy for metabolic profiling of intact tissues. <i>Nature Protocols</i> , 2010 , 5, 1019-32	18.8	309
258	Overview of NMR-Based Metabonomics 2010 , 2058-2068		3
257	¹ H NMR spectroscopy-based interventional metabolic phenotyping: a cohort study of rheumatoid arthritis patients. <i>Journal of Proteome Research</i> , 2010 , 9, 4545-53	5.6	75
256	NMR Spectrometers 2010 , 1872-1880		3
255	Ultra performance liquid chromatography-mass spectrometry profiling of bile acid metabolites in biofluids: application to experimental toxicology studies. <i>Analytical Chemistry</i> , 2010 , 82, 5282-9	7.8	79
254	A metabolic entropy approach for measurements of systemic metabolic disruptions in patho-physiological States. <i>Journal of Proteome Research</i> , 2010 , 9, 3537-44	5.6	23
253	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	5.6	68
252	Evaluation of full-resolution J-resolved ¹ H NMR projections of biofluids for metabonomics information retrieval and biomarker identification. <i>Analytical Chemistry</i> , 2010 , 82, 1811-21	7.8	83
251	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, 215-24		58
250	Liquid chromatography-mass spectrometry methods for urinary biomarker detection in metabonomic studies with application to nutritional studies. <i>Biomedical Chromatography</i> , 2010 , 24, 737-43		33
249	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	5.6	237
248	Biofluids Studied by NMR Spectroscopy 2010 , 128-141		2
247	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
246	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, 14728-33	11.5	562
245	Genetic algorithms for simultaneous variable and sample selection in metabonomics. <i>Bioinformatics</i> , 2009 , 25, 112-8	7.2	50
244	First example of hepatocyte transplantation to alleviate ornithine transcarbamylase deficiency, monitored by NMR-based metabonomics. <i>Bioanalysis</i> , 2009 , 1, 1527-35	2.1	14

243	Spectroscopic and statistical methods in metabonomics. <i>Bioanalysis</i> , 2009 , 1, 1559-78	2.1	12
242	Metabonomic investigations into the global biochemical sequelae of exposure to the pancreatic toxin 1-cyano-2-hydroxy-3-butene in the rat. <i>Magnetic Resonance in Chemistry</i> , 2009 , 47 Suppl 1, S26-35	2.1	12
241	Chemical shift calibration of ¹ H MAS NMR liver tissue spectra exemplified using a study of glycine protection of galactosamine toxicity. <i>Magnetic Resonance in Chemistry</i> , 2009 , 47 Suppl 1, S47-53	2.1	11
240	High-resolution ¹ H NMR spectroscopic investigation of a chick embryo model of neural tube development. <i>Magnetic Resonance in Chemistry</i> , 2009 , 47 Suppl 1, S62-7	2.1	6
239	High-resolution magic angle spinning NMR spectroscopy: Application to biomedical studies. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2009 , 55, 79-100	10.4	93
238	Identification of metabolites in human hepatic bile using 800 MHz ¹ H NMR spectroscopy, HPLC-NMR/MS and UPLC-MS. <i>Molecular BioSystems</i> , 2009 , 5, 180-90		52
237	Statistical total correlation spectroscopy editing of ¹ H NMR spectra of biofluids: application to drug metabolite profile identification and enhanced information recovery. <i>Analytical Chemistry</i> , 2009 , 81, 6458-66	7.8	37
236	Dynamic biochemical information recovery in spontaneous human seminal fluid reactions via ¹ H NMR kinetic statistical total correlation spectroscopy. <i>Analytical Chemistry</i> , 2009 , 81, 288-95	7.8	29
235	Cluster analysis statistical spectroscopy using nuclear magnetic resonance generated metabolic data sets from perturbed biological systems. <i>Analytical Chemistry</i> , 2009 , 81, 6581-9	7.8	30
234	Topographical variation in murine intestinal metabolic profiles in relation to microbiome speciation and functional ecological activity. <i>Journal of Proteome Research</i> , 2009 , 8, 3464-74	5.6	59
233	Recursive segment-wise peak alignment of biological (¹ h) NMR spectra for improved metabolic biomarker recovery. <i>Analytical Chemistry</i> , 2009 , 81, 56-66	7.8	258
232	Large-scale human metabolic phenotyping and molecular epidemiological studies via ¹ H NMR spectroscopy of urine: investigation of borate preservation. <i>Analytical Chemistry</i> , 2009 , 81, 4847-56	7.8	27
231	Mechanistic aspects and novel biomarkers of responder and non-responder phenotypes in galactosamine-induced hepatitis. <i>Journal of Proteome Research</i> , 2009 , 8, 5175-87	5.6	35
230	¹ H NMR-based metabonomics for investigating diabetes. <i>Future Medicinal Chemistry</i> , 2009 , 1, 737-47	4.1	24
229	Panorganismal gut microbiome-host metabolic crosstalk. <i>Journal of Proteome Research</i> , 2009 , 8, 2090-1056		137
228	Synthesis, transacylation kinetics and computational chemistry of a set of arylacetic acid 1β-O-acyl glucuronides. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2525-33	3.9	19
227	NMR-based metabolic profiling and metabonomic approaches to problems in molecular toxicology. <i>Chemical Research in Toxicology</i> , 2008 , 21, 9-27	4	267
226	Temporal metabonomic modeling of l-arginine-induced exocrine pancreatitis. <i>Journal of Proteome Research</i> , 2008 , 7, 4435-45	5.6	49

225	Probiotic modulation of symbiotic gut microbial-host metabolic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008 , 4, 157	12.2	304
224	Spectroscopic and statistical techniques for information recovery in metabonomics and metabolomics. <i>Annual Review of Analytical Chemistry</i> , 2008 , 1, 45-69	12.5	241
223	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
222	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
221	Species variation in the fecal metabolome gives insight into differential gastrointestinal function. <i>Journal of Proteome Research</i> , 2008 , 7, 352-60	5.6	156
220	Magic angle spinning NMR and 1H-31P heteronuclear statistical total correlation spectroscopy of intact human gut biopsies. <i>Analytical Chemistry</i> , 2008 , 80, 1058-66	7.8	50
219	Seminal oligouridinos: low uridine secretion as a biomarker for infertility in spinal neurotrauma. <i>Clinical Chemistry</i> , 2008 , 54, 2063-6	5.5	18
218	Top-down systems biology integration of conditional probiotic modulated transgenomic interactions in a humanized microbiome mouse model. <i>Molecular Systems Biology</i> , 2008 , 4, 205	12.2	84
217	Analytical technologies for metabonomics and metabolomics, and multi-omic information recovery. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 194-204	14.6	114
216	Self-modeling curve resolution recovery of temporal metabolite signal modulation in NMR spectroscopic data sets: application to a life-long caloric restriction study in dogs. <i>Analytical Chemistry</i> , 2008 , 80, 4876-85	7.8	23
215	Optimization of human plasma 1H NMR spectroscopic data processing for high-throughput metabolic phenotyping studies and detection of insulin resistance related to type 2 diabetes. <i>Analytical Chemistry</i> , 2008 , 80, 7354-62	7.8	48
214	Application of the FLIPSY pulse sequence for increased sensitivity in 1H NMR-based metabolic profiling studies. <i>Analytical Chemistry</i> , 2008 , 80, 3365-71	7.8	12
213	Robust algorithms for automated chemical shift calibration of 1D 1H NMR spectra of blood serum. <i>Analytical Chemistry</i> , 2008 , 80, 7158-62	7.8	52
212	NMR-based Metabonomics Techniques and Applications 2008 , 1377-1385		1
211	. <i>ScienceAsia</i> , 2008 , 34, 279	1.4	19
210	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, 1471-81	5.6	83
209	Metabonomic studies on the physiological effects of acute and chronic psychological stress in Sprague-Dawley rats. <i>Journal of Proteome Research</i> , 2007 , 6, 2080-93	5.6	96
208	Human metabolic phenotypes link directly to specific dietary preferences in healthy individuals. <i>Journal of Proteome Research</i> , 2007 , 6, 4469-77	5.6	145

207	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
206	A high-performance liquid chromatography and nuclear magnetic resonance spectroscopy-based analysis of commercially available praziquantel tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 45, 263-7	3.5	10
205	The metabolomics standards initiative. <i>Nature Biotechnology</i> , 2007 , 25, 846-8	44.5	253
204	Metabolic profiling, metabolomic and metabonomic procedures for NMR spectroscopy of urine, plasma, serum and tissue extracts. <i>Nature Protocols</i> , 2007 , 2, 2692-703	18.8	1536
203	Metabonomics in pharmaceutical R&D. <i>FEBS Journal</i> , 2007 , 274, 1140-51	5.7	229
202	Metabonomics and Metabolomics Techniques and Their Applications in Mammalian Systems 2007 , 1-33		16
201	Hepatotoxin-induced hypertyrosinemia and its toxicological significance. <i>Archives of Toxicology</i> , 2007 , 81, 201-10	5.8	17
200	The metabolomics standards initiative (MSI). <i>Metabolomics</i> , 2007 , 3, 175-178	4.7	304
199	Proposed minimum reporting standards for chemical analysis Chemical Analysis Working Group (CAWG) Metabolomics Standards Initiative (MSI). <i>Metabolomics</i> , 2007 , 3, 211-221	4.7	2472
198	Topographical variation in metabolic signatures of human gastrointestinal biopsies revealed by high-resolution magic-angle spinning 1H NMR spectroscopy. <i>Journal of Proteome Research</i> , 2007 , 6, 3944-51	5.6	67
197	A Survey of Metabonomics Approaches for Disease Characterisation 2007 , 413-442		1
196	A top-down systems biology view of microbiome-mammalian metabolic interactions in a mouse model. <i>Molecular Systems Biology</i> , 2007 , 3, 112	12.2	374
195	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, 4407-22	5.6	146
194	Heteronuclear 1H-31P statistical total correlation NMR spectroscopy of intact liver for metabolic biomarker assignment: application to galactosamine-induced hepatotoxicity. <i>Analytical Chemistry</i> , 2007 , 79, 8956-66	7.8	56
193	Statistical correlation and projection methods for improved information recovery from diffusion-edited NMR spectra of biological samples. <i>Analytical Chemistry</i> , 2007 , 79, 5682-9	7.8	79
192	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
191	Global Systems Biology Through Integration of Omics Results 2007 , 533-555		1
190	Metabolomics Standards Workshop and the development of international standards for reporting metabolomics experimental results. <i>Briefings in Bioinformatics</i> , 2006 , 7, 159-65	13.4	68

189	Susceptibility of human metabolic phenotypes to dietary modulation. <i>Journal of Proteome Research</i> , 2006 , 5, 2780-8	5.6	311
188	Acyl glucuronides: biological activity, chemical reactivity, and chemical synthesis. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 6931-45	8.3	105
187	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, 12511-6	11.5	854
186	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, 363-71	7.8	304
185	An integrated metabonomic approach to describe temporal metabolic dysregulation induced in the rat by the model hepatotoxin allyl formate. <i>Journal of Proteome Research</i> , 2006 , 5, 2675-84	5.6	87
184	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, 2185-93	5.6	72
183	Experimental metabonomic model of dietary variation and stress interactions. <i>Journal of Proteome Research</i> , 2006 , 5, 1535-42	5.6	70
182	Scaling and normalization effects in NMR spectroscopic metabonomic data sets. <i>Analytical Chemistry</i> , 2006 , 78, 2262-7	7.8	383
181	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, 2199-208	7.8	304
180	Pharmaco-metabonomic phenotyping and personalized drug treatment. <i>Nature</i> , 2006 , 440, 1073-7	50.4	689
179	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
178	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, 4398-408	7.8	50
177	Metabonomics techniques and applications to pharmaceutical research & development. <i>Pharmaceutical Research</i> , 2006 , 23, 1075-88	4.5	236
176	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, 517-26	7.8	508
175	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, 1324-9	5.6	61
174	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, 5570-8	7.8	94
173	Statistical total correlation spectroscopy: an exploratory approach for latent biomarker identification from metabolic ¹ H NMR data sets. <i>Analytical Chemistry</i> , 2005 , 77, 1282-9	7.8	729
172	Summary recommendations for standardization and reporting of metabolic analyses. <i>Nature Biotechnology</i> , 2005 , 23, 833-8	44.5	233

171	Comparative metabonomics of differential hydrazine toxicity in the rat and mouse. <i>Toxicology and Applied Pharmacology</i> , 2005 , 204, 135-51	4.6	107
170	NMR-based metabonomic approaches for evaluating physiological influences on biofluid composition. <i>NMR in Biomedicine</i> , 2005 , 18, 143-62	4.4	387
169	The Consortium for Metabonomic Toxicology (COMET): aims, activities and achievements. <i>Pharmacogenomics</i> , 2005 , 6, 691-9	2.6	255
168	An Overview of Metabonomics 2005 , 1-26		
167	The challenges of modeling mammalian biocomplexity. <i>Nature Biotechnology</i> , 2004 , 22, 1268-74	44.5	321
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