Andrew W Nicholls

List of Publications by Year
in descending order

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34 papers	8,817 citations	257101 24 h-index	377514 34 g-index

34 all docs	34 docs citations	34 times ranked	13232 citing authors

#	Article	IF	Citations
1	Proposed minimum reporting standards for chemical analysis. Metabolomics, 2007, 3, 211-221.	1.4	3,589
2	Procedures for large-scale metabolic profiling of serum and plasma using gas chromatography and liquid chromatography coupled to mass spectrometry. Nature Protocols, 2011, 6, 1060-1083.	5.5	2,236
3	Integrated Metabonomic Analysis of the Multiorgan Effects of Hydrazine Toxicity in the Rat. Chemical Research in Toxicology, 2005, 18, 115-122.	1.7	464
4	The importance of experimental design and QC samples in large-scale and MS-driven untargeted metabolomic studies of humans. Bioanalysis, 2012, 4, 2249-2264.	0.6	382
5	Chemometric Models for Toxicity Classification Based on NMR Spectra of Biofluids. Chemical Research in Toxicology, 2000, 13, 471-478.	1.7	277
6	NMR Spectroscopic-Based Metabonomic Studies of Urinary Metabolite Variation in Acclimatizing Germ-Free Rats. Chemical Research in Toxicology, 2003, 16, 1395-1404.	1.7	211
7	Molecular phenotyping of a UK population: defining the human serum metabolome. Metabolomics, 2015, 11, 9-26.	1.4	202
8	Metabonomic Investigations into Hydrazine Toxicity in the Rat. Chemical Research in Toxicology, 2001, 14, 975-987.	1.7	179
9	Use of Metabonomics to Identify Impaired Fatty Acid Metabolism as the Mechanism of a Drug-Induced Toxicity. Chemical Research in Toxicology, 2004, 17, 165-173.	1.7	148
10	The identification of novel biomarkers of renal toxicity using automatic data reduction techniques and PCA of proton NMR spectra of urine. Chemometrics and Intelligent Laboratory Systems, 1998, 44, 245-255.	1.8	143
11	Comparative metabonomics of differential hydrazine toxicity in the rat and mouse. Toxicology and Applied Pharmacology, 2005, 204, 135-151.	1.3	125
12	Metabolomics as a functional genomic tool for understanding lipid dysfunction in diabetes, obesity and related disorders. Pharmacogenomics, 2006, 7, 1095-1107.	0.6	117
13	Automatic alignment of individual peaks in large high-resolution spectral data sets. Journal of Magnetic Resonance, 2004, 170, 329-335.	1.2	88
14	The contrasting roles of PPARÎ´ and PPARÎ³ in regulating the metabolic switch between oxidation and storage of fats in white adipose tissue. Genome Biology, 2011, 12, R75.	13.9	85
15	Metabolic phenotyping of a model of adipocyte differentiation. Physiological Genomics, 2009, 39, 109-119.	1.0	78
16	Standard reporting requirements for biological samples in metabolomics experiments: mammalian/inÂvivo experiments. Metabolomics, 2007, 3, 179-188.	1.4	67
17	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
18	Metabolic profiling of rodent biological fluids via 1H NMR spectroscopy using a 1 mm microlitre probe. Analyst, The, 2002, 127, 582-584.	1.7	48

#	Article	IF	Citations
19	Direct observation of resolved intracellular and extracellular water signals in intact human red blood cells using1H MAS NMR spectroscopy. Magnetic Resonance in Medicine, 1997, 38, 334-336.	1.9	40
20	NMR Spectroscopic and Theoretical Chemistry Studies on the Internal Acyl Migration Reactions of the 1-O-Acyl-Î²-d-glucopyranuronate Conjugates of 2-, 3-, and 4-(Trifluoromethyl)benzoic Acids. Chemical Research in Toxicology, 1996, 9, 1414-1424.	1.7	37
21	High resolution NMR spectroscopic studies on the metabolism and futile deacetylation of 4-hydroxyacetanilide (paracetamol) in the rat. Biochemical Pharmacology, 1995, 49, 1155-1164.	2.0	33
22	Increased hepatic oxidative metabolism distinguishes the action of Peroxisome proliferator-activated receptor Î´ from Peroxisome proliferator-activated receptor Î³ in the ob/ob mouse. Genome Medicine, 2009, 1, 115.	3.6	32
23	High-performance liquid chromatography directly coupled to 19F and 1H NMR for the analysis of mixtures of isomeric ester glucuronide conjugates of trifluoromethylbenzoic acids. Journal of Chromatography A, 1996, 728, 377-385.	1.8	25
24	NMR and HPLC-NMR spectroscopic studies of futile deacetylation in paracetamol metabolites in rat and man. Journal of Pharmaceutical and Biomedical Analysis, 1997, 15, 901-910.	1.4	25
25	PPAR-pan activation induces hepatic oxidative stress and lipidomic remodelling. Free Radical Biology and Medicine, 2016, 95, 357-368.	1.3	22
26	Personalized medicine progresses. Nature Medicine, 2006, 12, 510-511.	15.2	21
27	Directly-coupled HPLC-NMR spectroscopic studies of metabolism and futile deacetylation of phenacetin in the rat. Journal of Pharmaceutical and Biomedical Analysis, 1999, 20, 865-873.	1.4	19
28	1H NMR Spectroscopy-Based Metabolomic Assessment of Uremic Toxicity, with Toxicological Outcomes, in Male Rats Following an Acute, Mid-Life Insult from Ochratoxin A. Toxins, 2011, 3, 504-519.	1.5	16
29	Temperature calibration of a high-resolution magic-angle spinning NMR probe for analysis of tissue samples. Magnetic Resonance in Chemistry, 2001, 39, 773-776.	1.1	14
30	Metabolism and Effects on Endogenous Metabolism of Paracetamol (Acetaminophen) in a Porcine Model of Liver Failure. Toxicological Sciences, 2020, 175, 87-97.	1.4	13
31	Alterations in endo-lysosomal function induce similar hepatic lipid profiles in rodent models of drug-induced phospholipidosis and Sandhoff disease. Journal of Lipid Research, 2017, 58, 1306-1314.	2.0	11
32	Realising the potential of metabolomics. Bioanalysis, 2012, 4, 2195-2197.	0.6	8
33	Decrease in Myelin-Associated Lipids Precedes Neuronal Loss and Glial Activation in the CNS of the Sandhoff Mouse as Determined by Metabolomics. Metabolites, 2021, 11, 18.	1.3	5
34	Metabolomics dataset of PPAR-pan treated rat liver. Data in Brief, 2016, 8, 196-202.	0.5	1