

Matthew W Mitchell

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

3,119
citations

304743

22
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

6388
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-Hydroxybutyrate Is an Early Biomarker of Insulin Resistance and Glucose Intolerance in a Nondiabetic Population. PLoS ONE, 2010, 5, e10883.	2.5	594
2	Analysis of the adult human plasma metabolome. Pharmacogenomics, 2008, 9, 383-397.	1.3	430
3	Discovery of Metabolomics Biomarkers for Early Detection of Nephrotoxicity. Toxicologic Pathology, 2009, 37, 280-292.	1.8	225
4	Untargeted Metabolomic Profiling as an Evaluative Tool of Fenofibrate-Induced Toxicology in Fischer 344 Male Rats. Toxicologic Pathology, 2009, 37, 521-535.	1.8	206
5	The Small Molecule GMX1778 Is a Potent Inhibitor of NAD ⁺ Biosynthesis: Strategy for Enhanced Therapy in Nicotinic Acid Phosphoribosyltransferase 1-Deficient Tumors. Molecular and Cellular Biology, 2009, 29, 5872-5888.	2.3	204
6	Mining the Unknown: A Systems Approach to Metabolite Identification Combining Genetic and Metabolic Information. PLoS Genetics, 2012, 8, e1003005.	3.5	170
7	Effects of free-air CO ₂ enrichment and nitrogen supply on the yield of temperate paddy rice crops. Field Crops Research, 2003, 83, 261-270.	5.1	156
8	A preliminary metabolomic analysis of older adults with and without depression. International Journal of Geriatric Psychiatry, 2007, 22, 418-423.	2.7	126
9	Bias of the Random Forest Out-of-Bag (OOB) Error for Certain Input Parameters. Open Journal of Statistics, 2011, 01, 205-211.	0.7	102
10	Bladder Cancer Biomarker Discovery Using Global Metabolomic Profiling of Urine. PLoS ONE, 2014, 9, e115870.	2.5	99
11	Characterization of the biochemical variability of bovine milk using metabolomics. Metabolomics, 2009, 5, 375-386.	3.0	89
12	Acceleration of Purine Degradation by Periodontal Diseases. Journal of Dental Research, 2009, 88, 851-855.	5.2	88
13	Effects of Mainstream Cigarette Smoke on the Global Metabolome of Human Lung Epithelial Cells. Chemical Research in Toxicology, 2009, 22, 492-503.	3.3	78
14	A likelihood ratio test for separability of covariances. Journal of Multivariate Analysis, 2006, 97, 1025-1043.	1.0	77
15	A Novel Fasting Blood Test for Insulin Resistance and Prediabetes. Journal of Diabetes Science and Technology, 2013, 7, 100-110.	2.2	77
16	Metabolomic Profiling Reveals Biochemical Pathways and Biomarkers Associated with Pathogenesis in Cystic Fibrosis Cells. Journal of Biological Chemistry, 2010, 285, 30516-30522.	3.4	70
17	Testing for separability of space-time covariances. Environmetrics, 2005, 16, 819-831.	1.4	66
18	Early Hepatic Insulin Resistance in Mice: A Metabolomics Analysis. Molecular Endocrinology, 2010, 24, 657-666.	3.7	57

#	ARTICLE	IF	CITATIONS
19	Metabolomic Differences in Heart Failure Patients With and Without Major Depression. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2010, 23, 138-146.	2.3	56
20	Assessment of Genetically Modified Soybean in Relation to Natural Variation in the Soybean Seed Metabolome. <i>Scientific Reports</i> , 2013, 3, 3082.	3.3	53
21	A Novel Test for IGT Utilizing Metabolite Markers of Glucose Tolerance. <i>Journal of Diabetes Science and Technology</i> , 2015, 9, 69-76.	2.2	39
22	Assessment of the Effects of Dentifrice on Periodontal Disease Biomarkers in Gingival Crevicular Fluid. <i>Journal of Periodontology</i> , 2010, 81, 1273-1279.	3.4	28
23	Spatio-temporal prediction inside a free-air CO ₂ enrichment system. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2003, 8, 310-327.	1.4	13
24	Global biochemical analysis of plasma, serum and whole blood collected using various anticoagulant additives. <i>PLoS ONE</i> , 2021, 16, e0249797.	2.5	13
25	Clinical metabolomics for inborn errors of metabolism. <i>Advances in Clinical Chemistry</i> , 2022, 107, 79-138.	3.7	2
26	A Comparison of Aggregate P-Value Methods and Multivariate Statistics for Self-Contained Tests of Metabolic Pathway Analysis. <i>PLoS ONE</i> , 2015, 10, e0125081.	2.5	1