

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 | Clinical metabolomics for inborn errors of metabolism. <i>Advances in Clinical Chemistry</i> , 2022, 107, 79-138. | 3.7 | 2 |
| 2 | Global biochemical analysis of plasma, serum and whole blood collected using various anticoagulant additives. <i>PLoS ONE</i> , 2021, 16, e0249797. | 2.5 | 13 |
| 3 | 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 |
| 4 | 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 |
| 5 | Bladder Cancer Biomarker Discovery Using Global Metabolomic Profiling of Urine. <i>PLoS ONE</i> , 2014, 9, e115870. | 2.5 | 99 |
| 6 | A Novel Fasting Blood Test for Insulin Resistance and Prediabetes. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 100-110. | 2.2 | 77 |
| 7 | 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 |
| 8 | Mining the Unknown: A Systems Approach to Metabolite Identification Combining Genetic and Metabolic Information. <i>PLoS Genetics</i> , 2012, 8, e1003005. | 3.5 | 170 |
| 9 | Bias of the Random Forest Out-of-Bag (OOB) Error for Certain Input Parameters. <i>Open Journal of Statistics</i> , 2011, 01, 205-211. | 0.7 | 102 |
| 10 | 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 |
| 11 | Early Hepatic Insulin Resistance in Mice: A Metabolomics Analysis. <i>Molecular Endocrinology</i> , 2010, 24, 657-666. | 3.7 | 57 |
| 12 | Î±-Hydroxybutyrate Is an Early Biomarker of Insulin Resistance and Glucose Intolerance in a Nondiabetic Population. <i>PLoS ONE</i> , 2010, 5, e10883. | 2.5 | 594 |
| 13 | 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 |
| 14 | Metabolomic Profiling Reveals Biochemical Pathways and Biomarkers Associated with Pathogenesis in Cystic Fibrosis Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 30516-30522. | 3.4 | 70 |
| 15 | The Small Molecule GMX1778 Is a Potent Inhibitor of NAD ⁺ Biosynthesis: Strategy for Enhanced Therapy in Nicotinic Acid Phosphoribosyltransferase 1-Deficient Tumors. <i>Molecular and Cellular Biology</i> , 2009, 29, 5872-5888. | 2.3 | 204 |
| 16 | Untargeted Metabolomic Profiling as an Evaluative Tool of Fenofibrate-Induced Toxicology in Fischer 344 Male Rats. <i>Toxicologic Pathology</i> , 2009, 37, 521-535. | 1.8 | 206 |
| 17 | Acceleration of Purine Degradation by Periodontal Diseases. <i>Journal of Dental Research</i> , 2009, 88, 851-855. | 5.2 | 88 |
| 18 | Characterization of the biochemical variability of bovine milk using metabolomics. <i>Metabolomics</i> , 2009, 5, 375-386. | 3.0 | 89 |

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|----|--|-----|-----------|
| 19 | Effects of Mainstream Cigarette Smoke on the Global Metabolome of Human Lung Epithelial Cells. <i>Chemical Research in Toxicology</i> , 2009, 22, 492-503. | 3.3 | 78 |
| 20 | Discovery of Metabolomics Biomarkers for Early Detection of Nephrotoxicity. <i>Toxicologic Pathology</i> , 2009, 37, 280-292. | 1.8 | 225 |
| 21 | Analysis of the adult human plasma metabolome. <i>Pharmacogenomics</i> , 2008, 9, 383-397. | 1.3 | 430 |
| 22 | A preliminary metabolomic analysis of older adults with and without depression. <i>International Journal of Geriatric Psychiatry</i> , 2007, 22, 418-423. | 2.7 | 126 |
| 23 | A likelihood ratio test for separability of covariances. <i>Journal of Multivariate Analysis</i> , 2006, 97, 1025-1043. | 1.0 | 77 |
| 24 | Testing for separability of space-time covariances. <i>Environmetrics</i> , 2005, 16, 819-831. | 1.4 | 66 |
| 25 | 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 |
| 26 | Effects of free-air CO ₂ enrichment and nitrogen supply on the yield of temperate paddy rice crops. <i>Field Crops Research</i> , 2003, 83, 261-270. | 5.1 | 156 |