

Thomas P Mathews

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,965
citations

331538

21
h-index

434063

31
g-index

34
all docs

34
docs citations

34
times ranked

2968
citing authors

#	ARTICLE	IF	CITATIONS
1	Lymph protects metastasizing melanoma cells from ferroptosis. <i>Nature</i> , 2020, 585, 113-118.	13.7	484
2	Metabolic heterogeneity confers differences in melanoma metastatic potential. <i>Nature</i> , 2020, 577, 115-120.	13.7	298
3	Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. <i>Journal of Lipid Research</i> , 2015, 56, 722-736.	2.0	264
4	Association of acute toxic encephalopathy with litchi consumption in an outbreak in Muzaffarpur, India, 2014: a case-control study. <i>The Lancet Global Health</i> , 2017, 5, e458-e466.	2.9	83
5	Development of Amidine-Based Sphingosine Kinase 1 Nanomolar Inhibitors and Reduction of Sphingosine 1-Phosphate in Human Leukemia Cells. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3524-3548.	2.9	71
6	Sphingosine kinase type 1 inhibition reveals rapid turnover of circulating sphingosine 1-phosphate. <i>Biochemical Journal</i> , 2011, 440, 345-353.	1.7	68
7	Discovery, Biological Evaluation, and Structure-Activity Relationship of Amidine Based Sphingosine Kinase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2766-2778.	2.9	58
8	Metabolomic profiling of rare cell populations isolated by flow cytometry from tissues. <i>ELife</i> , 2021, 10, .	2.8	47
9	Compartmentalized metabolism supports midgestation mammalian development. <i>Nature</i> , 2022, 604, 349-353.	13.7	47
10	Reactive metabolite production is a targetable liability of glycolytic metabolism in lung cancer. <i>Nature Communications</i> , 2019, 10, 5604.	5.8	45
11	Stable isotope tracing to assess tumor metabolism in vivo. <i>Nature Protocols</i> , 2021, 16, 5123-5145.	5.5	40
12	Aspartate availability limits hematopoietic stem cell function during hematopoietic regeneration. <i>Cell Stem Cell</i> , 2021, 28, 1982-1999.e8.	5.2	38
13	Phospholipase D1 Couples CD4+ T Cell Activation to c-Myc-Dependent Deoxyribonucleotide Pool Expansion and HIV-1 Replication. <i>PLoS Pathogens</i> , 2015, 11, e1004864.	2.1	36
14	Loss of glucose 6-phosphate dehydrogenase function increases oxidative stress and glutaminolysis in metastasizing melanoma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	35
15	The requirement for pyruvate dehydrogenase in leukemogenesis depends on cell lineage. <i>Cell Metabolism</i> , 2021, 33, 1777-1792.e8.	7.2	34
16	High-Confidence Qualitative Identification of Organophosphorus Nerve Agent Adducts to Human Butyrylcholinesterase. <i>Analytical Chemistry</i> , 2017, 89, 1955-1964.	3.2	31
17	Synthesis and biological evaluation of sphingosine kinase substrates as sphingosine-1-phosphate receptor prodrugs. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6123-6136.	1.4	29
18	A rapid assay for assessment of sphingosine kinase inhibitors and substrates. <i>Analytical Biochemistry</i> , 2011, 411, 230-235.	1.1	29

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19	Chemical modulation of glycerolipid signaling and metabolic pathways. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1060-1084.	1.2	27
20	Quantification of Metabolites for Assessing Human Exposure to Soapberry Toxins Hypoglycin A and Methylenecyclopropylglycine. <i>Chemical Research in Toxicology</i> , 2015, 28, 1753-1759.	1.7	25
21	Quantification of Toxins in Soapberry (<i>Sapindaceae</i>) Arils: Hypoglycin A and Methylenecyclopropylglycine. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5607-5613.	2.4	25
22	Purine nucleotide depletion prompts cell migration by stimulating the serine synthesis pathway. <i>Nature Communications</i> , 2022, 13, 2698.	5.8	25
23	Regulation of Phospholipase D Activity and Phosphatidic Acid Production after Purinergic (P2Y6) Receptor Stimulation. <i>Journal of Biological Chemistry</i> , 2013, 288, 20477-20487.	1.6	23
24	Isotope tracing reveals glycolysis and oxidative metabolism in childhood tumors of multiple histologies. <i>Med</i> , 2021, 2, 395-410.e4.	2.2	21
25	Human Phospholipase D Activity Transiently Regulates Pyrimidine Biosynthesis in Malignant Gliomas. <i>ACS Chemical Biology</i> , 2015, 10, 1258-1268.	1.6	20
26	The cardiac-enriched microprotein mitolamban regulates mitochondrial respiratory complex assembly and function in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	19
27	A high-throughput UHPLC-MS/MS method for the quantification of five aged butyrylcholinesterase biomarkers from human exposure to organophosphorus nerve agents. <i>Biomedical Chromatography</i> , 2017, 31, e3830.	0.8	15
28	BMAL1 drives muscle repair through control of hypoxic NAD ⁺ regeneration in satellite cells. <i>Genes and Development</i> , 2022, 36, 149-166.	2.7	13
29	Quantification of hypoglycin A and methylenecyclopropylglycine in human plasma by HPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1095, 112-118.	1.2	5
30	Quantitative HPLC-MS/MS analysis of toxins in soapberry seeds: Methylenecyclopropylglycine and hypoglycin A. <i>Food Chemistry</i> , 2018, 264, 449-454.	4.2	5
31	A Short Isoform of Spermatogenic Enzyme GAPDH Functions as a Metabolic Switch and Limits Metastasis in Melanoma. <i>Cancer Research</i> , 2022, 82, 1251-1266.	0.4	4