

Thomas M O'connell

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,285
citations

293460

24
h-index

252626

46
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47
all docs

47
docs citations

47
times ranked

6814
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Mitochondria by SS-31 Ameliorates the Whole Body Energy Status in Cancer- and Chemotherapy-Induced Cachexia. <i>Cancers</i> , 2021, 13, 850.	1.7	32
2	Applications of Lipidomics to Age-Related Musculoskeletal Disorders. <i>Current Osteoporosis Reports</i> , 2021, 19, 151-157.	1.5	7
3	Short-chain fatty acid and fecal microbiota profiles are linked to fibrosis in primary biliary cholangitis. <i>FEMS Microbiology Letters</i> , 2021, 368, .	0.7	16
4	Tumor-derived IL-6 and trans-signaling among tumor, fat, and muscle mediate pancreatic cancer cachexia. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	89
5	Urine and Plasma Metabolome of Healthy Adults Consuming the DASH (Dietary Approaches to Stop Hypertension) Diet. <i>Journal of Nutrition</i> , 2021, 151, 100-108.	1.7	17
6	Skeletal muscle metabolic responses to physical activity are muscle type specific in a rat model of chronic kidney disease. <i>Scientific Reports</i> , 2021, 11, 9788.	1.6	2
7	Metabolic Biomarkers for the Early Detection of Cancer Cachexia. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 720096.	1.8	11
8	AMP deamination is sufficient to replicate an atrophy-like metabolic phenotype in skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2021, 123, 154864.	1.5	16
9	Metabolic profiles identify circulating biomarkers associated with heart failure in young single ventricle patients. <i>Metabolomics</i> , 2021, 17, 95.	1.4	8
10	The Application of Metabolomics to Probiotic and Prebiotic Interventions in Human Clinical Studies. <i>Metabolites</i> , 2020, 10, 120.	1.3	16
11	A role for gut microbiota in host niche differentiation. <i>ISME Journal</i> , 2020, 14, 1675-1687.	4.4	49
12	Formation of colorectal liver metastases induces musculoskeletal and metabolic abnormalities consistent with exacerbated cachexia. <i>JCI Insight</i> , 2020, 5, .	2.3	20
13	Viime: Visualization and Integration of Metabolomics Experiments. <i>Journal of Open Source Software</i> , 2020, 5, 2410.	2.0	9
14	Treatment with Soluble Activin Receptor Type IIB Alters Metabolic Response in Chemotherapy-Induced Cachexia. <i>Cancers</i> , 2019, 11, 1222.	1.7	12
15	Cachexia induced by cancer and chemotherapy yield distinct perturbations to energy metabolism. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 140-154.	2.9	148
16	Disrupted Maturation of the Microbiota and Metabolome among Extremely Preterm Infants with Postnatal Growth Failure. <i>Scientific Reports</i> , 2019, 9, 8167.	1.6	64
17	PDK4 drives metabolic alterations and muscle atrophy in cancer cachexia. <i>FASEB Journal</i> , 2019, 33, 7778-7790.	0.2	46
18	Feeding strategy shapes gut metagenomic enrichment and functional specialization in captive lemurs. <i>Gut Microbes</i> , 2018, 9, 202-217.	4.3	21

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19	The critical role of dietary foliage in maintaining the gut microbiome and metabolome of folivorous sifakas. <i>Scientific Reports</i> , 2018, 8, 14482.	1.6	37
20	Microbial nitrogen limitation in the mammalian large intestine. <i>Nature Microbiology</i> , 2018, 3, 1441-1450.	5.9	107
21	Metabolic Changes with Base-Loading in CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2018, 13, 1244-1246.	2.2	6
22	Antibiotic-induced changes in the microbiota disrupt redox dynamics in the gut. <i>ELife</i> , 2018, 7, .	2.8	121
23	The Degradation Chemistry of Farglitazar and Elucidation of the Oxidative Degradation Mechanisms. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 982-993.	1.6	3
24	Sperm function, protein phosphorylation, and metabolism differ in mice lacking successive sperm-specific glycolytic enzymes. <i>Biology of Reproduction</i> , 2017, 97, 586-597.	1.2	25
25	Perinatal western-type diet and associated gestational weight gain alter postpartum maternal mood. <i>Brain and Behavior</i> , 2017, 7, e00828.	1.0	19
26	ACVR2B/Fc counteracts chemotherapy-induced loss of muscle and bone mass. <i>Scientific Reports</i> , 2017, 7, 14470.	1.6	44
27	A metabolomic, geographic, and seasonal analysis of the contribution of pollen-derived adenosine to allergic sensitization. <i>Metabolomics</i> , 2016, 12, 1.	1.4	10
28	DNA Methylation and MicroRNA-Based Biomarkers for Risk of Type 2 Diabetes. <i>Current Diabetes Reviews</i> , 2015, 12, 20-29.	0.6	15
29	Highlights from the latest articles in personalized medicine. <i>Personalized Medicine</i> , 2014, 11, 11-13.	0.8	0
30	Cancer cachexia's metabolic signature in a murine model confirms a distinct entity. <i>Metabolomics</i> , 2013, 9, 730-739.	1.4	17
31	The Complex Role of Branched Chain Amino Acids in Diabetes and Cancer. <i>Metabolites</i> , 2013, 3, 931-945.	1.3	104
32	Recent advances in metabolomics in oncology. <i>Bioanalysis</i> , 2012, 4, 431-451.	0.6	50
33	Metabolomic Profiling Reveals Mitochondrial-Derived Lipid Biomarkers That Drive Obesity-Associated Inflammation. <i>PLoS ONE</i> , 2012, 7, e38812.	1.1	111
34	Differentially expressed genes in human peripheral blood as potential markers for statin response. <i>Journal of Molecular Medicine</i> , 2012, 90, 201-211.	1.7	6
35	The Microbiome and Butyrate Regulate Energy Metabolism and Autophagy in the Mammalian Colon. <i>Cell Metabolism</i> , 2011, 13, 517-526.	7.2	1,424
36	The application of micro-coil NMR probe technology to metabolomics of urine and serum. <i>Journal of Biomolecular NMR</i> , 2011, 49, 297-305.	1.6	58

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37	Acetaminophen dosing of humans results in blood transcriptome and metabolome changes consistent with impaired oxidative phosphorylation. <i>Hepatology</i> , 2010, 51, 227-236.	3.6	81
38	Mechanism for Prevention of Alcohol-Induced Liver Injury by Dietary Methyl Donors. <i>Toxicological Sciences</i> , 2010, 115, 131-139.	1.4	29
39	¹ H Nuclear Magnetic Resonance Metabolomics Analysis Identifies Novel Urinary Biomarkers for Lung Function. <i>Journal of Proteome Research</i> , 2010, 9, 3083-3090.	1.8	60
40	Effects of a prolonged standardized diet on normalizing the human metabolome. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 1496-1501.	2.2	63
41	Metabolomic analysis of bronchoalveolar lavage fluid from cystic fibrosis patients. <i>Biomarkers</i> , 2009, 14, 55-60.	0.9	110
42	Metabolomic analysis of cancer cachexia reveals distinct lipid and glucose alterations. <i>Metabolomics</i> , 2008, 4, 216-225.	1.4	45
43	Metabolomic profiling of a modified alcohol liquid diet model for liver injury in the mouse uncovers new markers of disease. <i>Toxicology and Applied Pharmacology</i> , 2008, 232, 236-243.	1.3	67
44	A Comparison of Transcriptomic and Metabonomic Technologies for Identifying Biomarkers Predictive of Two-Year Rodent Cancer Bioassays. <i>Toxicological Sciences</i> , 2007, 96, 40-46.	1.4	55
45	Efficient Synthesis of an Adenosine A2a Agonist: Glycosylation of 2-Haloadenines and an N ² -Alkyl-6-chloroguanine. <i>Journal of Organic Chemistry</i> , 2004, 69, 3212-3215.	1.7	17
46	¹⁹ F NMR relaxation studies on 5-fluorotryptophan- and tetradeutero-5-fluorotryptophan-labeled E. coli glucose/galactose receptor. <i>Journal of Biomolecular NMR</i> , 1996, 7, 261-72.	1.6	22
47	Identification of 2-Fluoro-2-deoxy-D-glucose Metabolites by ¹⁹ F{ ¹ H} Hetero-RELAY. <i>Journal of Magnetic Resonance Series B</i> , 1995, 109, 264-269.	1.6	8