

Thomas M O'connell

List of Publications by Year in descending order

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47
papers

3,285
citations

257429

24
h-index

223791

46
g-index

47
all docs

47
docs citations

47
times ranked

6203
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.	3.7	32
2	Applications of Lipidomics to Age-Related Musculoskeletal Disorders. <i>Current Osteoporosis Reports</i> , 2021, 19, 151-157.	3.6	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, .	1.8	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, .	8.5	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, 100-109.	4.1	5
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.	3.3	2
7	Metabolic Biomarkers for the Early Detection of Cancer Cachexia. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 720096.	3.7	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.	3.4	16
9	Metabolic profiles identify circulating biomarkers associated with heart failure in young single ventricle patients. <i>Metabolomics</i> , 2021, 17, 95.	3.0	8
10	The Application of Metabolomics to Probiotic and Prebiotic Interventions in Human Clinical Studies. <i>Metabolites</i> , 2020, 10, 120.	2.9	16
11	A role for gut microbiota in host niche differentiation. <i>ISME Journal</i> , 2020, 14, 1675-1687.	9.8	49
12	Formation of colorectal liver metastases induces musculoskeletal and metabolic abnormalities consistent with exacerbated cachexia. <i>JCI Insight</i> , 2020, 5, .	5.0	20
13	Viime: Visualization and Integration of Metabolomics Experiments. <i>Journal of Open Source Software</i> , 2020, 5, 2410.	4.6	9
14	Treatment with Soluble Activin Receptor Type IIB Alters Metabolic Response in Chemotherapy-Induced Cachexia. <i>Cancers</i> , 2019, 11, 1222.	3.7	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.	7.3	148
16	Disrupted Maturation of the Microbiota and Metabolome among Extremely Preterm Infants with Postnatal Growth Failure. <i>Scientific Reports</i> , 2019, 9, 8167.	3.3	64
17	PDK4 drives metabolic alterations and muscle atrophy in cancer cachexia. <i>FASEB Journal</i> , 2019, 33, 7778-7790.	0.5	46
18	Feeding strategy shapes gut metagenomic enrichment and functional specialization in captive lemurs. <i>Gut Microbes</i> , 2018, 9, 202-217.	9.8	21

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19	The critical role of dietary foliage in maintaining the gut microbiome and metabolome of folivorous sifakas. Scientific Reports, 2018, 8, 14482.	3.3	37
20	Microbial nitrogen limitation in the mammalian large intestine. Nature Microbiology, 2018, 3, 1441-1450.	13.3	107
21	Metabolic Changes with Base-Loading in CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 1244-1246.	4.5	6
22	Antibiotic-induced changes in the microbiota disrupt redox dynamics in the gut. ELife, 2018, 7, .	6.0	121
23	The Degradation Chemistry of Farglitazar and Elucidation of the Oxidative Degradation Mechanisms. Journal of Pharmaceutical Sciences, 2017, 106, 982-993.	3.3	3
24	Sperm function, protein phosphorylation, and metabolism differ in mice lacking successive sperm-specific glycolytic enzymes. Biology of Reproduction, 2017, 97, 586-597.	2.7	25
25	Perinatal western-type diet and associated gestational weight gain alter postpartum maternal mood. Brain and Behavior, 2017, 7, e00828.	2.2	19
26	ACVR2B/Fc counteracts chemotherapy-induced loss of muscle and bone mass. Scientific Reports, 2017, 7, 14470.	3.3	44
27	A metabolomic, geographic, and seasonal analysis of the contribution of pollen-derived adenosine to allergic sensitization. Metabolomics, 2016, 12, 1.	3.0	10
28	DNA Methylation and MicroRNA-Based Biomarkers for Risk of Type 2 Diabetes. Current Diabetes Reviews, 2015, 12, 20-29.	1.3	15
29	Highlights from the latest articles in personalized medicine. Personalized Medicine, 2014, 11, 11-13.	1.5	0
30	Cancer cachexia's metabolic signature in a murine model confirms a distinct entity. Metabolomics, 2013, 9, 730-739.	3.0	17
31	The Complex Role of Branched Chain Amino Acids in Diabetes and Cancer. Metabolites, 2013, 3, 931-945.	2.9	104
32	Recent advances in metabolomics in oncology. Bioanalysis, 2012, 4, 431-451.	1.5	50
33	Metabolomic Profiling Reveals Mitochondrial-Derived Lipid Biomarkers That Drive Obesity-Associated Inflammation. PLoS ONE, 2012, 7, e38812.	2.5	111
34	Differentially expressed genes in human peripheral blood as potential markers for statin response. Journal of Molecular Medicine, 2012, 90, 201-211.	3.9	6
35	The Microbiome and Butyrate Regulate Energy Metabolism and Autophagy in the Mammalian Colon. Cell Metabolism, 2011, 13, 517-526.	16.2	1,424
36	The application of micro-coil NMR probe technology to metabolomics of urine and serum. Journal of Biomolecular NMR, 2011, 49, 297-305.	2.8	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.	7.3	81
38	Mechanism for Prevention of Alcohol-Induced Liver Injury by Dietary Methyl Donors. <i>Toxicological Sciences</i> , 2010, 115, 131-139.	3.1	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.	3.7	60
40	Effects of a prolonged standardized diet on normalizing the human metabolome. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 1496-1501.	4.7	63
41	Metabolomic analysis of bronchoalveolar lavage fluid from cystic fibrosis patients. <i>Biomarkers</i> , 2009, 14, 55-60.	1.9	110
42	Metabolomic analysis of cancer cachexia reveals distinct lipid and glucose alterations. <i>Metabolomics</i> , 2008, 4, 216-225.	3.0	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.	2.8	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.	3.1	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.	3.2	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.	2.8	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