

Travis T Denton

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,119
citations

643344

15
h-index

445137

33
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38
all docs

38
docs citations

38
times ranked

2269
citing authors

#	ARTICLE	IF	CITATIONS
1	The metabolic importance of the glutaminase II pathway in normal and cancerous cells. <i>Analytical Biochemistry</i> , 2022, 644, 114083.	1.1	11
2	The metabolic importance of the overlooked asparaginase II pathway. <i>Analytical Biochemistry</i> , 2022, 644, 114084.	1.1	3
3	Lanthionine Ketimine Ethyl Ester Accelerates Remyelination in a Mouse Model of Multiple Sclerosis. <i>ASN Neuro</i> , 2022, 14, 175909142211123.	1.5	2
4	Selective linkage of mitochondrial enzymes to intracellular calcium stores differs between human-induced pluripotent stem cells, neural stem cells, and neurons. <i>Journal of Neurochemistry</i> , 2021, 156, 867-879.	2.1	2
5	Drug development and the process of transitioning to team-based learning in a qualitative way. <i>Currents in Pharmacy Teaching and Learning</i> , 2021, 13, 723-728.	0.4	1
6	An overview of sulfur-containing compounds originating from natural metabolites: Lanthionine ketimine and its analogues. <i>Analytical Biochemistry</i> , 2020, 591, 113543.	1.1	4
7	Synthesis of α -Ketoglutaramic acid. <i>Analytical Biochemistry</i> , 2020, 607, 113862.	1.1	7
8	The Novel CYP2A6 Inhibitor, DLCI-1, Decreases Nicotine Self-Administration in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 372, 21-29.	1.3	16
9	A standardized method for incorporation of drugs into food for use with <i>Drosophila melanogaster</i> . <i>Analytical Biochemistry</i> , 2020, 599, 113740.	1.1	3
10	Rewiring of Glutamine Metabolism Is a Bioenergetic Adaptation of Human Cells with Mitochondrial DNA Mutations. <i>Cell Metabolism</i> , 2018, 27, 1007-1025.e5.	7.2	135
11	Multiple-step, one-pot synthesis of 2-substituted-3-phosphono-1-thia-4-aza-2-cyclohexene-5-carboxylates and their corresponding ethyl esters. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 562-565.	1.0	6
12	Identification of the 4-Position of 3-Alkynyl and 3-Heteroaromatic Substituted Pyridine Methanamines as a Key Modification Site Eliciting Increased Potency and Enhanced Selectivity for Cytochrome P-450 2A6 Inhibition. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7065-7086.	2.9	12
13	Mild metabolic perturbations alter succinylation of mitochondrial proteins. <i>Journal of Neuroscience Research</i> , 2017, 95, 2244-2252.	1.3	32
14	The Enzymology of 2-Hydroxyglutarate, 2-Hydroxyglutaramate and 2-Hydroxysuccinamate and Their Relationship to Oncometabolites. <i>Biology</i> , 2017, 6, 24.	1.3	13
15	Reductions in the mitochondrial enzyme α -ketoglutarate dehydrogenase complex in neurodegenerative disease – beneficial or detrimental?. <i>Journal of Neurochemistry</i> , 2016, 139, 823-838.	2.1	26
16	Mild mitochondrial metabolic deficits by α -ketoglutarate dehydrogenase inhibition cause prominent changes in intracellular autophagic signaling: Potential role in the pathobiology of Alzheimer's disease. <i>Neurochemistry International</i> , 2016, 96, 32-45.	1.9	27
17	α -Amidase: an underappreciated, but important enzyme in l-glutamine and l-asparagine metabolism; relevance to sulfur and nitrogen metabolism, tumor biology and hyperammonemic diseases. <i>Amino Acids</i> , 2016, 48, 1-20.	1.2	56
18	α -ketoglutarate dehydrogenase complex-dependent succinylation of proteins in neurons and neuronal cell lines. <i>Journal of Neurochemistry</i> , 2015, 134, 86-96.	2.1	96

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19	Alternative functions of the brain transsulfuration pathway represent an underappreciated aspect of brain redox biochemistry with significant potential for therapeutic engagement. <i>Free Radical Biology and Medicine</i> , 2015, 78, 123-134.	1.3	41
20	An explanation for why it is difficult to form slush nitrogen from liquid nitrogen used previously for this purpose. <i>Cryobiology</i> , 2013, 66, 43-46.	0.3	12
21	Comment on Absorption of Aminoethyl Cysteine Ketimine Decarboxylated Dimer in Mice: Effect on Plasma Antioxidant Potential. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6122-6124.	2.4	2
22	Deficits in the mitochondrial enzyme α -ketoglutarate dehydrogenase lead to Alzheimer's disease-like calcium dysregulation. <i>Neurobiology of Aging</i> , 2012, 33, 1121.e13-1121.e24.	1.5	49
23	Stable isotope gas chromatography-tandem mass spectrometry determination of aminoethylcysteine ketimine decarboxylated dimer in biological samples. <i>Analytical Biochemistry</i> , 2012, 430, 4-15.	1.1	5
24	Developmental variations in metabolic capacity of flavin-containing monooxygenase 3 in childhood. <i>British Journal of Clinical Pharmacology</i> , 2011, 71, 585-591.	1.1	24
25	Characterization of d-glucaric acid using NMR, X-ray crystal structure, and mm3 molecular modeling analyses. <i>Carbohydrate Research</i> , 2011, 346, 2551-2557.	1.1	12
26	Measurement of sulfur-containing compounds involved in the metabolism and transport of cysteamine and cystamine. Regional differences in cerebral metabolism. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3434-3441.	1.2	36
27	Preparation of N-Alkylbis(3-aminopropyl)amines by the Catalytic Hydrogenation of N-Alkylbis(cyanoethyl)amines. <i>Journal of Organic Chemistry</i> , 2007, 72, 4997-5000.	1.7	4
28	Synthetic Inhibitors of Cytochrome P-450 2A6: Inhibitory Activity, Difference Spectra, Mechanism of Inhibition, and Protein Cocrystallization. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6987-7001.	2.9	116
29	Inhibitors of the α -ketoglutarate dehydrogenase complex alter $[1-^{13}C]$ glucose and $[U-^{13}C]$ glutamate metabolism in cerebellar granule neurons. <i>Journal of Neuroscience Research</i> , 2006, 83, 450-458.	1.3	50
30	5-Substituted, 6-Substituted, and Unsubstituted 3-Heteroaromatic Pyridine Analogues of Nicotine as Selective Inhibitors of Cytochrome P-450 2A6. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 224-239.	2.9	142
31	Phosphonate Analogues of α -Ketoglutarate Inhibit the Activity of the α -Ketoglutarate Dehydrogenase Complex Isolated from Brain and in Cultured Cells. <i>Biochemistry</i> , 2005, 44, 10552-10561.	1.2	80
32	Nicotine-related alkaloids and metabolites as inhibitors of human cytochrome P-450 2A6. <i>Biochemical Pharmacology</i> , 2004, 67, 751-756.	2.0	63
33	Synthesis and Preliminary Evaluation of trans-3,4-Conformationally-Restricted Glutamate and Pyroglutamate Analogues as Novel EAAT2 Inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3209-3213.	1.0	9
34	Analysis of Conformationally Restricted α -Ketoglutarate Analogues as Substrates of Dehydrogenases and Aminotransferases. <i>Analytical Biochemistry</i> , 2001, 298, 265-274.	1.1	6