

Laszlo Tretter

List of Publications by Year in descending order

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39
papers

2,844
citations

279798

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315739

38
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39
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times ranked

4909
citing authors

#	ARTICLE	IF	CITATIONS
1	Methylene Blue Bridges the Inhibition and Produces Unusual Respiratory Changes in Complex III-Inhibited Mitochondria. Studies on Rats, Mice and Guinea Pigs. <i>Antioxidants</i> , 2021, 10, 305.	5.1	7
2	Cyclophilin D-dependent mitochondrial permeability transition amplifies inflammatory reprogramming in endotoxemia. <i>FEBS Open Bio</i> , 2021, 11, 684-704.	2.3	10
3	Bioenergetic Impairment of Triethylene Glycol Dimethacrylate- (TEGDMA-) Treated Dental Pulp Stem Cells (DPSCs) and Isolated Brain Mitochondria are Amended by Redox Compound Methylene Blue. <i>Materials</i> , 2020, 13, 3472.	2.9	3
4	The SDHB Arg230His mutation causing familial paraganglioma alters glycolysis in a new <i>Caenorhabditis elegans</i> model. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	2.4	7
5	Novel mitochondrial transition pore inhibitor <i>N</i> -methyl-L-isoleucine cyclosporin is a new therapeutic option in acute pancreatitis. <i>Journal of Physiology</i> , 2019, 597, 5879-5898.	2.9	21
6	The Mitochondrial Targets of Neuroprotective Drug Vinpocetine on Primary Neuron Cultures, Brain Capillary Endothelial Cells, Synaptosomes, and Brain Mitochondria. <i>Neurochemical Research</i> , 2019, 44, 2435-2447.	3.3	12
7	Triethylene glycol dimethacrylate impairs bioenergetic functions and induces oxidative stress in mitochondria via inhibiting respiratory Complex I. <i>Dental Materials</i> , 2018, 34, e166-e181.	3.5	12
8	Versatility of microglial bioenergetic machinery under starving conditions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 201-214.	1.0	28
9	GABA, glutamine, glutamate oxidation and succinic semialdehyde dehydrogenase expression in human gliomas. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 271.	8.6	22
10	Bioenergetics: From atomic resolution structures to cancer metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 631-632.	1.0	0
11	Membrane potential and delta pH dependency of reverse electron transport-associated hydrogen peroxide production in brain and heart mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2018, 50, 355-365.	2.3	26
12	The Putative Drp1 Inhibitor mdivi-1 Is a Reversible Mitochondrial Complex I Inhibitor that Modulates Reactive Oxygen Species. <i>Developmental Cell</i> , 2017, 40, 583-594.e6.	7.0	406
13	Chronic Activation of $\hat{3}2$ AMPK Induces Obesity and Reduces $\hat{2}$ Cell Function. <i>Cell Metabolism</i> , 2016, 23, 821-836.	16.2	87
14	Differentiation-Dependent Energy Production and Metabolite Utilization: A Comparative Study on Neural Stem Cells, Neurons, and Astrocytes. <i>Stem Cells and Development</i> , 2016, 25, 995-1005.	2.1	18
15	Diastolic dysfunction in prediabetic male rats: Role of mitochondrial oxidative stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H927-H943.	3.2	72
16	Succinate, an intermediate in metabolism, signal transduction, ROS, hypoxia, and tumorigenesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1086-1101.	1.0	395
17	Abolition of mitochondrial substrate-level phosphorylation by itaconic acid produced by LPS-induced <i>Irg1</i> expression in cells of murine macrophage lineage. <i>FASEB Journal</i> , 2016, 30, 286-300.	0.5	100
18	TP53 mutation hits energy metabolism and increases glycolysis in breast cancer. <i>Oncotarget</i> , 2016, 7, 67183-67195.	1.8	46

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19	Lack of cyclophilin D protects against the development of acute lung injury in endotoxemia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2563-2573.	3.8	12
20	Formation of reactive oxygen species by human and bacterial pyruvate and 2-oxoglutarate dehydrogenase multienzyme complexes reconstituted from recombinant components. <i>Free Radical Biology and Medicine</i> , 2015, 89, 642-650.	2.9	53
21	Measurement of ROS Homeostasis in Isolated Mitochondria. <i>Methods in Enzymology</i> , 2014, 547, 199-223.	1.0	17
22	Human 2-Oxoglutarate Dehydrogenase Complex E1 Component Forms a Thiamin-derived Radical by Aerobic Oxidation of the Enamine Intermediate. <i>Journal of Biological Chemistry</i> , 2014, 289, 29859-29873.	3.4	41
23	The role of mitochondrial dehydrogenases in the generation of oxidative stress. <i>Neurochemistry International</i> , 2013, 62, 757-763.	3.8	64
24	Transglutaminase 2 Contributes to Apoptosis Induction in Jurkat T Cells by Modulating Ca ²⁺ Homeostasis via Cross-Linking RAP1GDS1. <i>PLoS ONE</i> , 2013, 8, e81516.	2.5	12
25	High Ca ²⁺ load promotes Hydrogen peroxide generation via activation of $\hat{\pm}$ -glycerophosphate dehydrogenase in brain mitochondria. <i>Free Radical Biology and Medicine</i> , 2012, 53, 2119-2130.	2.9	23
26	Reversible inhibition of hydrogen peroxide elimination by calcium in brain mitochondria. <i>Journal of Neuroscience Research</i> , 2011, 89, 1965-1972.	2.9	10
27	H ₂ O ₂ generation is decreased by calcium in isolated brain mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 800-807.	1.0	30
28	The effect of bovine serum albumin on the membrane potential and reactive oxygen species generation in succinate-supported isolated brain mitochondria. <i>Neurochemistry International</i> , 2007, 50, 139-147.	3.8	47
29	Stimulation of H ₂ O ₂ generation by calcium in brain mitochondria respiring on $\hat{\pm}$ -glycerophosphate. <i>Journal of Neuroscience Research</i> , 2007, 85, 3471-3479.	2.9	37
30	Characteristics of $\hat{\pm}$ -glycerophosphate-evoked H ₂ O ₂ generation in brain mitochondria. <i>Journal of Neurochemistry</i> , 2007, 100, 650-663.	3.9	105
31	Uncoupling is without an effect on the production of reactive oxygen species by in situ synaptic mitochondria. <i>Journal of Neurochemistry</i> , 2007, 103, 1864-1871.	3.9	48
32	Moderate Dependence of ROS Formation on $\hat{\pm}$ in Isolated Brain Mitochondria Supported by NADH-linked Substrates. <i>Neurochemical Research</i> , 2007, 32, 569-575.	3.3	37
33	Dual Effect of Pyruvate in Isolated Nerve Terminals: Generation of Reactive Oxygen Species and Protection of Aconitase. <i>Neurochemical Research</i> , 2005, 30, 1331-1338.	3.3	14
34	Impaired Regulation of pH Homeostasis by Oxidative Stress in Rat Brain Capillary Endothelial Cells. <i>Cellular and Molecular Neurobiology</i> , 2005, 25, 141-151.	3.3	38
35	Alpha-ketoglutarate dehydrogenase: a target and generator of oxidative stress. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 2335-2345.	4.0	339
36	Initiation of Neuronal Damage by Complex I Deficiency and Oxidative Stress in Parkinson's Disease. <i>Neurochemical Research</i> , 2004, 29, 569-577.	3.3	169

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37	Generation of Reactive Oxygen Species in the Reaction Catalyzed by α -Ketoglutarate Dehydrogenase. Journal of Neuroscience, 2004, 24, 7771-7778.	3.6	407
38	Glutamate release by an Na^+ load and oxidative stress in nerve terminals: relevance to ischemia/reperfusion. Journal of Neurochemistry, 2002, 83, 855-862.	3.9	25
39	The neuroprotective drug vinpocetine prevents veratridine-induced $[\text{Na}^+]_i$ and $[\text{Ca}^{2+}]_i$ rise in synaptosomes. NeuroReport, 1998, 9, 1849-1853.	1.2	44