

Chien-Te Lin

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,633
citations

331259

21
h-index

414034

32
g-index

37
all docs

37
docs citations

37
times ranked

4288
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial H ₂ O ₂ emission and cellular redox state link excess fat intake to insulin resistance in both rodents and humans. <i>Journal of Clinical Investigation</i> , 2009, 119, 573-581.	3.9	1,051
2	Inhibiting myosin-ATPase reveals a dynamic range of mitochondrial respiratory control in skeletal muscle. <i>Biochemical Journal</i> , 2011, 437, 215-222.	1.7	143
3	17 β -Estradiol Directly Lowers Mitochondrial Membrane Microviscosity and Improves Bioenergetic Function in Skeletal Muscle. <i>Cell Metabolism</i> , 2018, 27, 167-179.e7.	7.2	122
4	Assessment of <i>in vivo</i> skeletal muscle mitochondrial respiratory capacity in humans by near-infrared spectroscopy: a comparison with <i>in situ</i> measurements. <i>Journal of Physiology</i> , 2014, 592, 3231-3241.	1.3	110
5	Simvastatin impairs ADP-stimulated respiration and increases mitochondrial oxidative stress in primary human skeletal myotubes. <i>Free Radical Biology and Medicine</i> , 2012, 52, 198-207.	1.3	104
6	Pyruvate dehydrogenase complex and nicotinamide nucleotide transhydrogenase constitute an energy-consuming redox circuit. <i>Biochemical Journal</i> , 2015, 467, 271-280.	1.7	103
7	A Direct Comparison of Metabolic Responses to High-Fat Diet in C57BL/6J and C57BL/6NJ Mice. <i>Diabetes</i> , 2016, 65, 3249-3261.	0.3	102
8	Mitochondrial glutathione depletion reveals a novel role for the pyruvate dehydrogenase complex as a key H ₂ O ₂ -emitting source under conditions of nutrient overload. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1201-1208.	1.3	99
9	Mitochondrial Diagnostics: A Multiplexed Assay Platform for Comprehensive Assessment of Mitochondrial Energy Fluxes. <i>Cell Reports</i> , 2018, 24, 3593-3606.e10.	2.9	87
10	Metformin selectively attenuates mitochondrial H ₂ O ₂ emission without affecting respiratory capacity in skeletal muscle of obese rats. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1082-1087.	1.3	84
11	The anticancer agent doxorubicin disrupts mitochondrial energy metabolism and redox balance in skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2013, 65, 988-996.	1.3	75
12	Direct real-time quantification of mitochondrial oxidative phosphorylation efficiency in permeabilized skeletal muscle myofibers. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C239-C245.	2.1	66
13	Mitochondrial PE potentiates respiratory enzymes to amplify skeletal muscle aerobic capacity. <i>Science Advances</i> , 2019, 5, eaax8352.	4.7	66
14	Heterozygous SOD2 Deletion Impairs Glucose-Stimulated Insulin Secretion, but Not Insulin Action, in High-Fat-Fed Mice. <i>Diabetes</i> , 2014, 63, 3699-3710.	0.3	46
15	Targeted overexpression of mitochondrial catalase protects against cancer chemotherapy-induced skeletal muscle dysfunction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E293-E301.	1.8	41
16	Diminished force production and mitochondrial respiratory deficits are strain-dependent myopathies of subacute limb ischemia. <i>Journal of Vascular Surgery</i> , 2017, 65, 1504-1514.e11.	0.6	36
17	Differential Dopamine D1 and D3 Receptor Modulation and Expression in the Spinal Cord of Two Mouse Models of Restless Legs Syndrome. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 199.	1.0	34
18	Phospholipid methylation regulates muscle metabolic rate through Ca ²⁺ transport efficiency. <i>Nature Metabolism</i> , 2019, 1, 876-885.	5.1	30

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19	Progesterone increases skeletal muscle mitochondrial H ₂ O ₂ emission in nonmenopausal women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E528-E535.	1.8	29
20	Impact of 17 β -estradiol on complex I kinetics and H ₂ O ₂ production in liver and skeletal muscle mitochondria. <i>Journal of Biological Chemistry</i> , 2018, 293, 16889-16898.	1.6	28
21	Flux through mitochondrial redox circuits linked to nicotinamide nucleotide transhydrogenase generates counterbalance changes in energy expenditure. <i>Journal of Biological Chemistry</i> , 2020, 295, 16207-16216.	1.6	24
22	Skeletal muscle undergoes fiber type metabolic switch without myosin heavy chain switch in response to defective fatty acid oxidation. <i>Molecular Metabolism</i> , 2022, 59, 101456.	3.0	22
23	Protein Kinase A Governs Oxidative Phosphorylation Kinetics and Oxidant Emitting Potential at Complex I. <i>Frontiers in Physiology</i> , 2015, 6, 332.	1.3	21
24	Estrogen receptor- α in female skeletal muscle is not required for regulation of muscle insulin sensitivity and mitochondrial regulation. <i>Molecular Metabolism</i> , 2020, 34, 1-15.	3.0	21
25	High Incomplete Skeletal Muscle Fatty Acid Oxidation Explains Low Muscle Insulin Sensitivity in Poorly Controlled T2D. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 882-889.	1.8	17
26	Tissue-specific characterization of mitochondrial branched-chain keto acid oxidation using a multiplexed assay platform. <i>Biochemical Journal</i> , 2019, 476, 1521-1537.	1.7	17
27	Alternative splicing of UCP1 by non-cell-autonomous action of PEMT. <i>Molecular Metabolism</i> , 2020, 31, 55-66.	3.0	13
28	Genetically increasing flux through β -oxidation in skeletal muscle increases mitochondrial reductive stress and glucose intolerance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E938-E950.	1.8	12
29	Preference and detrimental effects of high fat, sugar, and salt diet in wild-caught <i>Drosophila simulans</i> are reversed by flight exercise. <i>FASEB BioAdvances</i> , 2021, 3, 49-64.	1.3	12
30	Mitochondrial antioxidative capacity regulates muscle glucose uptake in the conscious mouse: effect of exercise and diet. <i>Journal of Applied Physiology</i> , 2012, 113, 1173-1183.	1.2	9
31	Aglycemic growth enhances carbohydrate metabolism and induces sensitivity to menadione in cultured tumor-derived cells. <i>Cancer & Metabolism</i> , 2021, 9, 3.	2.4	7
32	Doxorubicin impairs skeletal muscle mitochondrial respiratory capacity in skeletal muscle. <i>FASEB Journal</i> , 2012, 26, 1144.8.	0.2	1
33	Mitochondrial glutathione depletion reveals a novel role for pyruvate dehydrogenase as a key H ₂ O ₂ emitting source. <i>FASEB Journal</i> , 2012, 26, 1144.9.	0.2	0
34	Low Intensity Exercise Attenuates Acute Lipid Loading-Induced Alterations in Mitochondrial Function in Rat Skeletal Muscle. <i>FASEB Journal</i> , 2012, 26, 1144.11.	0.2	0