

Itzhak Nissim

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,197
citations

279798

23
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

5635
citing authors

#	ARTICLE	IF	CITATIONS
1	Fructose-1,6-bisphosphatase opposes renal carcinoma progression. <i>Nature</i> , 2014, 513, 251-255.	27.8	416
2	mTOR Regulates Lysosomal ATP-Sensitive Two-Pore Na ⁺ Channels to Adapt to Metabolic State. <i>Cell</i> , 2013, 152, 778-790.	28.9	313
3	Astrocyte Leucine Metabolism: Significance of Branched-Chain Amino Acid Transamination. <i>Journal of Neurochemistry</i> , 2002, 66, 378-385.	3.9	115
4	Regulation of brain glutamate metabolism by nitric oxide and S-nitrosylation. <i>Science Signaling</i> , 2015, 8, ra68.	3.6	108
5	Regulation of nuclear epigenome by mitochondrial DNA heteroplasmy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16028-16035.	7.1	108
6	Glucose and Synaptosomal Glutamate Metabolism: Studies with [15N]Glutamate. <i>Journal of Neurochemistry</i> , 1988, 51, 892-902.	3.9	97
7	Interrelationships of Leucine and Glutamate Metabolism in Cultured Astrocytes. <i>Journal of Neurochemistry</i> , 1994, 62, 1192-1202.	3.9	88
8	Arginase 2 Suppresses Renal Carcinoma Progression via Biosynthetic Cofactor Pyridoxal Phosphate Depletion and Increased Polyamine Toxicity. <i>Cell Metabolism</i> , 2018, 27, 1263-1280.e6.	16.2	85
9	Ifosfamide-Induced Nephrotoxicity: Mechanism and Prevention. <i>Cancer Research</i> , 2006, 66, 7824-7831.	0.9	82
10	Malic Enzyme Couples Mitochondria with Aerobic Glycolysis in Osteoblasts. <i>Cell Reports</i> , 2020, 32, 108108.	6.4	79
11	Brain amino acid metabolism and ketosis. <i>Journal of Neuroscience Research</i> , 2001, 66, 272-281.	2.9	78
12	Targeting glutamine metabolism slows soft tissue sarcoma growth. <i>Nature Communications</i> , 2020, 11, 498.	12.8	63
13	Effects of Ketone Bodies on Astrocyte Amino Acid Metabolism. <i>Journal of Neurochemistry</i> , 1997, 69, 682-692.	3.9	57
14	Fructose-1,6-Bisphosphatase 2 Inhibits Sarcoma Progression by Restraining Mitochondrial Biogenesis. <i>Cell Metabolism</i> , 2020, 31, 174-188.e7.	16.2	51
15	Glutamate Dehydrogenase Reaction as a Source of Glutamic Acid in Synaptosomes. <i>Journal of Neurochemistry</i> , 1991, 57, 153-160.	3.9	48
16	Precursors of glutamic acid nitrogen in primary neuronal cultures: Studies with 15N. <i>Neurochemical Research</i> , 1990, 15, 1191-1196.	3.3	45
17	The Molecular and Metabolic Influence of Long Term Agmatine Consumption. <i>Journal of Biological Chemistry</i> , 2014, 289, 9710-9729.	3.4	44
18	Effects of a glucokinase activator on hepatic intermediary metabolism: study with 13C-isotopomer-based metabolomics. <i>Biochemical Journal</i> , 2012, 444, 537-551.	3.7	42

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19	Effect of glutamine on heat-shock-induced mRNA and stress proteins. <i>Journal of Cellular Physiology</i> , 1993, 157, 313-318.	4.1	39
20	Functional and Metabolomic Consequences of KATP Channel Inactivation in Human Islets. <i>Diabetes</i> , 2017, 66, 1901-1913.	0.6	35
21	Metabolic Enzyme DLST Promotes Tumor Aggression and Reveals a Vulnerability to OXPHOS Inhibition in High-Risk Neuroblastoma. <i>Cancer Research</i> , 2021, 81, 4417-4430.	0.9	31
22	The Role of Mitochondrially Bound Arginase in the Regulation of Urea Synthesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 17715-17724.	3.4	30
23	Role of the glutamate dehydrogenase reaction in furnishing aspartate nitrogen for urea synthesis: studies in perfused rat liver with ¹⁵ N. <i>Biochemical Journal</i> , 2003, 376, 179-188.	3.7	24
24	Glycogen metabolism is dispensable for tumour progression in clear cell renal cell carcinoma. <i>Nature Metabolism</i> , 2021, 3, 327-336.	11.9	21
25	Agmatine Stimulates Hepatic Fatty Acid Oxidation. <i>Journal of Biological Chemistry</i> , 2006, 281, 8486-8496.	3.4	20
26	Modulating Glucose Metabolism and Lactate Synthesis in Injured Mouse Tendons: Treatment With Dichloroacetate, a Lactate Synthesis Inhibitor, Improves Tendon Healing. <i>American Journal of Sports Medicine</i> , 2018, 46, 2222-2231.	4.2	19
27	Down-regulation of Hepatic Urea Synthesis by Oxypurines. <i>Journal of Biological Chemistry</i> , 2011, 286, 22055-22068.	3.4	15
28	Orally Administered Alpha Lipoic Acid as a Treatment for Geographic Atrophy. <i>Ophthalmology Retina</i> , 2020, 4, 889-898.	2.4	15
29	ASS1 and ASL suppress growth in clear cell renal cell carcinoma via altered nitrogen metabolism. <i>Cancer & Metabolism</i> , 2021, 9, 40.	5.0	14
30	3-Isobutylmethylxanthine Inhibits Hepatic Urea Synthesis. <i>Journal of Biological Chemistry</i> , 2008, 283, 15063-15071.	3.4	7
31	Gene therapy for guanidinoacetate methyltransferase deficiency restores cerebral and myocardial creatine while resolving behavioral abnormalities. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 25, 278-296.	4.1	5