Michael J Palladino

List of Publications by Year
in descending order

28 papers	615 citations	623734 14 h-index	610901 24 g-index
30 all docs	30 docs citations	30 times ranked	1003 citing authors

#	Article	IF	Citations
1	Neural Dysfunction and Neurodegeneration inDrosophilaNa⁺/K⁺ATPase Alpha Subunit Mutants. Journal of Neuroscience, 2003, 23, 1276-1286.	3.6	106
2	Temperature-Sensitive Paralytic Mutants Are Enriched For Those Causing Neurodegeneration in Drosophila. Genetics, 2002, 161, 1197-1208.	2.9	84
3	Mutational analysis implicates the amyloid fibril as the toxic entity in Huntington's disease. Neurobiology of Disease, 2018, 120, 126-138.	4.4	37
4	Evidence of a triosephosphate isomerase non-catalytic function critical to behavior and longevity. Journal of Cell Science, 2013, 126, 3151-8.	2.0	36
5	Drosophila Model of Human Inherited Triosephosphate Isomerase Deficiency Glycolytic Enzymopathy. Genetics, 2006, 174, 1237-1246.	2.9	34
6	Novel mutations affecting the Na, K ATPase alpha model complex neurological diseases and implicate the sodium pump in increased longevity. Human Genetics, 2009, 126, 431-447.	3.8	34
7	Degradation of Functional Triose Phosphate Isomerase Protein Underlies sugarkill Pathology. Genetics, 2008, 179, 855-862.	2.9	30
8	Triosephosphate isomerase I170V alters catalytic site, enhances stability and induces pathology in a Drosophila model of TPI deficiency. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 61-69.	3.8	29
9	Adaptive substitutions underlying cardiac glycoside insensitivity in insects exhibit epistasis in vivo. ELife, 2019, 8, .	6.0	28
10	Structural and Genetic Studies Demonstrate Neurologic Dysfunction in Triosephosphate Isomerase Deficiency Is Associated with Impaired Synaptic Vesicle Dynamics. PLoS Genetics, 2016, 12, e1005941.	3.5	23
11	Vesicular glutamate transporter modulates sex differences in dopamine neuron vulnerability to ageâ€related neurodegeneration. Aging Cell, 2021, 20, e13365.	6.7	20
12	Chemical Targeting of Voltage Sensitive Dyes to Specific Cells and Molecules in the Brain. Journal of the American Chemical Society, 2020, 142, 9285-9301.	13.7	17
13	Hsp70- and Hsp90-mediated proteasomal degradation underlies TPIsugarkill pathogenesis in Drosophila. Neurobiology of Disease, 2010, 40, 676-683.	4.4	16
14	The ATP-sensitive K channel is seizure protective and required for effective dietary therapy in a model of mitochondrial encephalomyopathy. Journal of Neurogenetics, 2016, 30, 247-258.	1.4	16
15	Ketogenic and anaplerotic dietary modifications ameliorate seizure activity in Drosophila models of mitochondrial encephalomyopathy and glycolytic enzymopathy. Molecular Genetics and Metabolism, 2019, 126, 439-447.	1.1	16
16	Modeling mitochondrial encephalomyopathy in Drosophila. Neurobiology of Disease, 2010, 40, 40-45.	4.4	13
17	Early mitochondrial dysfunction leads to altered redox chemistry underlying pathogenesis of TPI deficiency. Neurobiology of Disease, 2013, 54, 289-296.	4.4	13
18	Missense variant in TPI1 (Arg189Gln) causes neurologic deficits through structural changes in the triosephosphate isomerase catalytic site and reduced enzyme levels in vivo. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2257-2266.	3.8	12

#	Article	IF	Citations
19	Small mitochondrial-targeted RNAs modulate endogenous mitochondrial protein expression in vivo. Neurobiology of Disease, 2014, 69, 15-22.	4.4	10
20	Genome-wide screen for modifiers of Na + /K + ATPase alleles identifies critical genetic loci. Molecular Brain, 2014, 7, 89.	2.6	8
21	Genetically Encoded Redox Sensors. Methods in Enzymology, 2014, 542, 263-287.	1.0	7
22	Sleep and circadian defects in a Drosophila model of mitochondrial encephalomyopathy. Neurobiology of Sleep and Circadian Rhythms, 2019, 6, 44-52.	2.8	7
23	Molecular Neuroprotection Induced by Zinc-Dependent Expression of Hepatitis Câ€“Derived Protein NS5A Targeting Kv2.1 Potassium Channels. Journal of Pharmacology and Experimental Therapeutics, 2018, 367, 348-355.	2.5	6
24	Identification of protein quality control regulators using a Drosophila model of TPI deficiency. Neurobiology of Disease, 2021, 152, 105299.	4.4	5
25	Protein coding mitochondrial-targeted RNAs rescue mitochondrial disease in vivo. Neurobiology of Disease, 2018, 117, 203-210.	4.4	3
26	A High-Content Screening Assay for Small Molecules That Stabilize Mutant Triose Phosphate Isomerase (TPI) as Treatments for TPI Deficiency. SLAS Discovery, 2021, 26, 1029-1039.	2.7	2
27	Itavastatin and Resveratrol increase triosephosphate isomerase protein (TPI) in a newly identified variant, TPIQ181P, that confers TPI deficiency. DMM Disease Models and Mechanisms, 2022, , .	2.4	2
28	Allotopic Gene Therapy as a Treatment for Mitochondrial Disease. FASEB Journal, 2019, 33, 811.9.	0.5	0