Kambiz N Alavian

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2707581/publications.pdf

Version: 2024-02-01

49 papers	2,494 citations	257450 24 h-index	265206 42 g-index
52 all docs	52 docs citations	52 times ranked	4017 citing authors

#	Article	IF	Citations
1	An uncoupling channel within the c-subunit ring of the F ₁ F _O ATP synthase is the mitochondrial permeability transition pore. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10580-10585.	7.1	502
2	Bcl-xL regulates metabolic efficiency of neurons through interaction with the mitochondrial F1FO ATP synthase. Nature Cell Biology, 2011, 13, 1224-1233.	10.3	245
3	CD15, CD24, and CD29 Define a Surface Biomarker Code for Neural Lineage Differentiation of Stem Cells. Stem Cells, 2009, 27, 2928-2940.	3.2	209
4	Bcl-xL regulates mitochondrial energetics by stabilizing the inner membrane potential. Journal of Cell Biology, 2011, 195, 263-276.	5.2	182
5	Slow progressive degeneration of nigral dopaminergic neurons in postnatal Engrailed mutant mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15242-15247.	7.1	129
6	A Bcl-xLâ€“Drp1 complex regulates synaptic vesicle membrane dynamics during endocytosis. Nature Cell Biology, 2013, 15, 773-785.	10.3	110
7	Iron Homeostasis and Pulmonary Hypertension. Circulation Research, 2015, 116, 1680-1690.	4.5	97
8	Physiological roles of the mitochondrial permeability transition pore. Journal of Bioenergetics and Biomembranes, 2017, 49, 13-25.	2.3	86
9	Transcriptional regulation of mesencephalic dopaminergic neurons: The full circle of life and death. Movement Disorders, 2008, 23, 319-328.	3.9	76
10	N-terminally cleaved Bcl-xL mediates ischemia-induced neuronal death. Nature Neuroscience, 2012, 15, 574-580.	14.8	70
11	Cell death disguised: The mitochondrial permeability transition pore as the c-subunit of the F1FO ATP synthase. Pharmacological Research, 2015, 99, 382-392.	7.1	70
12	Parkinsonâ€™s disease protein DJ-1 regulates ATP synthase protein components to increase neuronal process outgrowth. Cell Death and Disease, 2019, 10, 469.	6.3	70
13	Decreased SGK1 Expression and Function Contributes to Behavioral Deficits Induced by Traumatic Stress. PLoS Biology, 2015, 13, e1002282.	5.6	60
14	The transcription factor orthodenticle homeobox 2 influences axonal projections and vulnerability of midbrain dopaminergic neurons. Brain, 2010, 133, 2022-2031.	7.6	47
15	The lifelong maintenance of mesencephalic dopaminergic neurons by Nurr1 and engrailed. Journal of Biomedical Science, 2014, 21, 27.	7.0	47
16	Effects of dexpramipexole on brain mitochondrial conductances and cellular bioenergetic efficiency. Brain Research, 2012, 1446, 1-11.	2.2	46
17	The Mitochondrial Complex Vâ€“Associated Large-Conductance Inner Membrane Current Is Regulated by Cyclosporine and Dexpramipexole. Molecular Pharmacology, 2015, 87, 1-8.	2.3	46
18	The neuregulin receptor, ErbB4, is not required for normal development and adult maintenance of the substantia nigra pars compacta. Journal of Neurochemistry, 2004, 91, 1302-1311.	3.9	44

#	Article	IF	Citations
19	Bcl-xL in neuroprotection and plasticity. Frontiers in Physiology, 2014, 5, 355.	2.8	40
20	Bcl-xL Is Necessary for Neurite Outgrowth in Hippocampal Neurons. Antioxidants and Redox Signaling, 2015, 22, 93-108.	5.4	38
21	The Mitochondrial Permeability Transition Pore and ATP Synthase. Handbook of Experimental Pharmacology, 2016, 240, 21-46.	1.8	38
22	Inhibition of Bcl-xL prevents pro-death actions of Î”N-Bcl-xL at the mitochondrial inner membrane during glutamate excitotoxicity. Cell Death and Differentiation, 2017, 24, 1963-1974.	11.2	38
23	NAD kinase regulates the size of the NADPH pool and insulin secretion in pancreatic Î²-cells. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E191-E199.	3.5	34
24	Elevated P75NTR expression causes death of engrailed-deficient midbrain dopaminergic neurons by Erk1/2 suppression. Neural Development, 2009, 4, 11.	2.4	31
25	Isolation, Culture and Long-Term Maintenance of Primary Mesencephalic Dopaminergic Neurons From Embryonic Rodent Brains. Journal of Visualized Experiments, 2015, , .	0.3	20
26	Recombinant adeno-associated virus type 2 pseudotypes: comparing safety, specificity, and transduction efficiency in the primate striatum. Journal of Neurosurgery, 2011, 114, 672-680.	1.6	18
27	Post mortem examination of Parkinson's disease brains suggests decline in mitochondrial biomass, reversed by deep brain stimulation of subthalamic nucleus. FASEB Journal, 2019, 33, 6957-6961.	0.5	16
28	PrePhyloPro: phylogenetic profile-based prediction of whole proteome linkages. PeerJ, 2017, 5, e3712.	2.0	15
29	The mitochondrial metabolic function of DJâ€1 is modulated by 14â€3â€3Î². FASEB Journal, 2019, 33, 8925-8934.	0.5	13
30	Phylogenetic Profiling of Mitochondrial Proteins and Integration Analysis of Bacterial Transcription Units Suggest Evolution of F1Fo ATP Synthase from Multiple Modules. Journal of Molecular Evolution, 2017, 85, 219-233.	1.8	11
31	Linkage of cDNA expression profiles of mesencephalic dopaminergic neurons to a genome-wide in situ hybridization database. Molecular Neurodegeneration, 2009, 4, 6.	10.8	8
32	Analysis of Gene Expression Changes in the Rat Hippocampus After Deep Brain Stimulation of the Anterior Thalamic Nucleus. Journal of Visualized Experiments, 2015, , .	0.3	6
33	Parkinson's disease candidate gene prioritization based on expression profile of midbrain dopaminergic neurons. Journal of Biomedical Science, 2010, 17, 66.	7.0	5
34	F₁F_O ATPase Vesicle Preparation and Technique for Performing Patch Clamp Recordings of Submitochondrial Vesicle Membranes. Journal of Visualized Experiments, 2013, , e4394.	0.3	5
35	Mitochondria and Memory: Bioenergetics, Synaptic Plasticity and Neurodegeneration. Biophysical Journal, 2017, 112, 180a.	0.5	4
36	The Mitochondrial Permeability Transition Pore: Molecular Structure and Function in Health and Disease. Biological and Medical Physics Series, 2017, , 69-105.	0.4	3

#	Article	IF	Citations
37	PhySpeTree: an automated pipeline for reconstructing phylogenetic species trees. BMC Evolutionary Biology, 2019, 19, 219.	3.2	3
38	The factors for the early and late development of midbrain dopaminergic neurons segregate into two distinct evolutionary clusters. Brain Disorders, 2021, 1, 100002.	1.7	3
39	Transcriptional Regulation of Their Survival:. Advances in Experimental Medicine and Biology, 2009, 651, 66-72.	1.6	3
40	Bcl-xL Determines the Metabolic Efficiency of Neurons, through Interaction with Mitochondrial ATP Synthase. Biophysical Journal, 2011, 100, 459a.	0.5	1
41	The C-Subunit of the ATP Synthase Forms the Pore of the PTP. Biophysical Journal, 2014, 106, 3a-4a.	0.5	1
42	BCL-xL Regulates ATP Synthase and Synaptic Efficiency. Biophysical Journal, 2010, 98, 465a.	0.5	0
43	Decrease in a Leak Conductance Associated with Mitochondrial Complex V and Improved Bioenergetic Efficiency may Underlie Cytoprotection of at-Risk Neurons by Dexpramipexole. Biophysical Journal, 2011, 100, 459a.	0.5	0
44	The C-Subunit Ring of the F1FO ATP Synthase Constitutes a Leak Channel that Regulates Cellular Metabolic Efficiency by Counteracting the H+ Translocator. Biophysical Journal, 2012, 102, 571a.	0.5	0
45	DJ1 regulates Neuronal Mitochondrial Bioenergetic Efficiency. Biophysical Journal, 2013, 104, 657a.	0.5	0
46	PTP and LTP: The physiological role of the permeability transition pore in learning and memory. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e66-e67.	1.0	0
47	Mitochondrial (ATP Synthase) Permeability Transition Pore. Biophysical Journal, 2020, 118, 16a.	0.5	0
48	Bcl-x_Lregulates mitochondrial energetics by stabilizing the inner membrane potential. Journal of Experimental Medicine, 2011, 208, i29-i29.	8.5	0
49	CAV2.3 expression is upregulated in the substantia nigra pars compacta of humans with Parkinson's disease. Brain Disorders, 2022, 5, 100031.	1.7	0