

Kambiz N Alavian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

2,017
citations

23
h-index

44
g-index

52
ext. papers

2,277
ext. citations

6.8
avg, IF

4.4
L-index

#	Paper	IF	Citations
43	CAV2.3 expression is upregulated in the substantia nigra pars compacta of humans with Parkinson's disease. <i>Brain Disorders</i> , 2022 , 5, 100031		
42	The factors for the early and late development of midbrain dopaminergic neurons segregate into two distinct evolutionary clusters. <i>Brain Disorders</i> , 2021 , 1, 100002		1
41	Parkinson's disease protein DJ-1 regulates ATP synthase protein components to increase neuronal process outgrowth. <i>Cell Death and Disease</i> , 2019 , 10, 469	9.8	42
40	The mitochondrial metabolic function of is modulated by. <i>FASEB Journal</i> , 2019 , 33, 8925-8934	0.9	9
39	examination of Parkinson's disease brains suggests decline in mitochondrial biomass, reversed by deep brain stimulation of subthalamic nucleus. <i>FASEB Journal</i> , 2019 , 33, 6957-6961	0.9	6
38	PhySpeTree: an automated pipeline for reconstructing phylogenetic species trees. <i>BMC Evolutionary Biology</i> , 2019 , 19, 219	3	1
37	Physiological roles of the mitochondrial permeability transition pore. <i>Journal of Bioenergetics and Biomembranes</i> , 2017 , 49, 13-25	3.7	65
36	Mitochondria and Memory: Bioenergetics, Synaptic Plasticity and Neurodegeneration. <i>Biophysical Journal</i> , 2017 , 112, 180a	2.9	4
35	The Mitochondrial Permeability Transition Pore: Molecular Structure and Function in Health and Disease 2017 , 69-105		2
34	Inhibition of Bcl-xL prevents pro-death actions of Bcl-xL at the mitochondrial inner membrane during glutamate excitotoxicity. <i>Cell Death and Differentiation</i> , 2017 , 24, 1963-1974	12.7	26
33	Phylogenetic Profiling of Mitochondrial Proteins and Integration Analysis of Bacterial Transcription Units Suggest Evolution of F1Fo ATP Synthase from Multiple Modules. <i>Journal of Molecular Evolution</i> , 2017 , 85, 219-233	3.1	6
32	PrePhyloPro: phylogenetic profile-based prediction of whole proteome linkages. <i>PeerJ</i> , 2017 , 5, e3712	3.1	12
31	The Mitochondrial Permeability Transition Pore and ATP Synthase. <i>Handbook of Experimental Pharmacology</i> , 2017 , 240, 21-46	3.2	25
30	PTP and LTP: The physiological role of the permeability transition pore in learning and memory. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016 , 1857, e66-e67	4.6	
29	Cell death disguised: The mitochondrial permeability transition pore as the c-subunit of the F(1)F(O) ATP synthase. <i>Pharmacological Research</i> , 2015 , 99, 382-92	10.2	56
28	Analysis of gene expression changes in the rat hippocampus after deep brain stimulation of the anterior thalamic nucleus. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	4
27	Bcl-xL is necessary for neurite outgrowth in hippocampal neurons. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 93-108	8.4	32

26	The mitochondrial complex V-associated large-conductance inner membrane current is regulated by cyclosporine and dexpropampridone. <i>Molecular Pharmacology</i> , 2015 , 87, 1-8	4.3	41
25	The Mitochondrial Permeability Transition Pore, the c-Subunit of the F1Fo ATP Synthase, Cellular Development, and Synaptic Efficiency 2015 , 31-64		
24	Decreased SGK1 Expression and Function Contributes to Behavioral Deficits Induced by Traumatic Stress. <i>PLoS Biology</i> , 2015 , 13, e1002282	9.7	45
23	Isolation, culture and long-term maintenance of primary mesencephalic dopaminergic neurons from embryonic rodent brains. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	16
22	Iron homeostasis and pulmonary hypertension: iron deficiency leads to pulmonary vascular remodeling in the rat. <i>Circulation Research</i> , 2015 , 116, 1680-90	15.7	65
21	An uncoupling channel within the c-subunit ring of the F1FO ATP synthase is the mitochondrial permeability transition pore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10580-5	11.5	410
20	The lifelong maintenance of mesencephalic dopaminergic neurons by Nurr1 and engrailed. <i>Journal of Biomedical Science</i> , 2014 , 21, 27	13.3	35
19	Bcl-xL in neuroprotection and plasticity. <i>Frontiers in Physiology</i> , 2014 , 5, 355	4.6	35
18	A Bcl-xL-Drp1 complex regulates synaptic vesicle membrane dynamics during endocytosis. <i>Nature Cell Biology</i> , 2013 , 15, 773-85	23.4	96
17	F1FO ATPase vesicle preparation and technique for performing patch clamp recordings of submitochondrial vesicle membranes. <i>Journal of Visualized Experiments</i> , 2013 , e4394	1.6	5
16	Effects of dexpropampridone on brain mitochondrial conductances and cellular bioenergetic efficiency. <i>Brain Research</i> , 2012 , 1446, 1-11	3.7	39
15	N-terminally cleaved Bcl-xL mediates ischemia-induced neuronal death. <i>Nature Neuroscience</i> , 2012 , 15, 574-80	25.5	60
14	NAD kinase regulates the size of the NADPH pool and insulin secretion in pancreatic β cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E191-9	6	20
13	Bcl-xL regulates metabolic efficiency of neurons through interaction with the mitochondrial F1FO ATP synthase. <i>Nature Cell Biology</i> , 2011 , 13, 1224-33	23.4	211
12	Recombinant adeno-associated virus type 2 pseudotypes: comparing safety, specificity, and transduction efficiency in the primate striatum. Laboratory investigation. <i>Journal of Neurosurgery</i> , 2011 , 114, 672-80	3.2	17
11	Bcl-xL regulates mitochondrial energetics by stabilizing the inner membrane potential. <i>Journal of Cell Biology</i> , 2011 , 195, 263-76	7.3	155
10	Bcl-xL regulates mitochondrial energetics by stabilizing the inner membrane potential. <i>Journal of Experimental Medicine</i> , 2011 , 208, i29-i29	16.6	
9	The transcription factor orthodenticle homeobox 2 influences axonal projections and vulnerability of midbrain dopaminergic neurons. <i>Brain</i> , 2010 , 133, 2022-31	11.2	38

8	Parkinson's disease candidate gene prioritization based on expression profile of midbrain dopaminergic neurons. <i>Journal of Biomedical Science</i> , 2010 , 17, 66	13.3	5
7	CD15, CD24, and CD29 define a surface biomarker code for neural lineage differentiation of stem cells. <i>Stem Cells</i> , 2009 , 27, 2928-40	5.8	173
6	Elevated P75NTR expression causes death of engrailed-deficient midbrain dopaminergic neurons by Erk1/2 suppression. <i>Neural Development</i> , 2009 , 4, 11	3.9	28
5	Linkage of cDNA expression profiles of mesencephalic dopaminergic neurons to a genome-wide in situ hybridization database. <i>Molecular Neurodegeneration</i> , 2009 , 4, 6	19	8
4	Transcriptional regulation of their survival: the Engrailed homeobox genes. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 651, 66-72	3.6	3
3	Transcriptional regulation of mesencephalic dopaminergic neurons: the full circle of life and death. <i>Movement Disorders</i> , 2008 , 23, 319-28	7	69
2	Slow progressive degeneration of nigral dopaminergic neurons in postnatal Engrailed mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15242-7	11.5	109
1	The neuregulin receptor, ErbB4, is not required for normal development and adult maintenance of the substantia nigra pars compacta. <i>Journal of Neurochemistry</i> , 2004 , 91, 1302-11	6	38