

Allen Kaasik

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

10,402
citations

186265

28
h-index

144013

57
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61
all docs

61
docs citations

61
times ranked

22897
citing authors

#	ARTICLE	IF	CITATIONS
1	Negative feedback system to maintain cell ROS homeostasis: KEAP1-PGAM5 complex senses mitochondrially generated ROS to induce mitophagy. <i>Autophagy</i> , 2022, 18, 2249-2251.	9.1	5
2	Molecular Mechanisms and Regulation of Mammalian Mitophagy. <i>Cells</i> , 2022, 11, 38.	4.1	45
3	Balancing ER-Mitochondrial Ca ²⁺ Fluxes in Health and Disease. <i>Trends in Cell Biology</i> , 2021, 31, 598-612.	7.9	69
4	Uniting the divergent Wolfram syndrome-linked proteins WFS1 and CISD2 as modulators of Ca ²⁺ signaling. <i>Science Signaling</i> , 2021, 14, eabc6165.	3.6	15
5	The Expression of RAAS Key Receptors, <i>Agtr2</i> and <i>Bdkrb1</i> , Is Downregulated at an Early Stage in a Rat Model of Wolfram Syndrome. <i>Genes</i> , 2021, 12, 1717.	2.4	2
6	Early Intervention and Lifelong Treatment with GLP1 Receptor Agonist Liraglutide in a Wolfram Syndrome Rat Model with an Emphasis on Visual Neurodegeneration, Sensorineural Hearing Loss and Diabetic Phenotype. <i>Cells</i> , 2021, 10, 3193.	4.1	17
7	A novel role of KEAP1/PAM5 complex: ROS sensor for inducing mitophagy. <i>Redox Biology</i> , 2021, 48, 102186.	9.0	36
8	Recent advances in understanding IP3R function with focus on ER-mitochondrial Ca ²⁺ transfers. <i>Current Opinion in Physiology</i> , 2020, 17, 80-88.	1.8	7
9	Neural cell adhesion molecule <i>Negr1</i> deficiency in mouse results in structural brain endophenotypes and behavioral deviations related to psychiatric disorders. <i>Scientific Reports</i> , 2019, 9, 5457.	3.3	33
10	Mitochondrial transport proteins RHOT1 and RHOT2 serve as docking sites for PRKN-mediated mitophagy. <i>Autophagy</i> , 2019, 15, 930-931.	9.1	14
11	Miro proteins prime mitochondria for Parkin translocation and mitophagy. <i>EMBO Journal</i> , 2019, 38, .	7.8	87
12	Compound heterozygous SPATA5 variants in four families and functional studies of SPATA5 deficiency. <i>European Journal of Human Genetics</i> , 2018, 26, 407-419.	2.8	29
13	The combined impact of IgLON family proteins <i>Lsamp</i> and <i>Neurotrimin</i> on developing neurons and behavioral profiles in mouse. <i>Brain Research Bulletin</i> , 2018, 140, 5-18.	3.0	20
14	Parvalbumin alters mitochondrial dynamics and affects cell morphology. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4643-4666.	5.4	12
15	<i>Wfs1</i> - deficient rats develop primary symptoms of Wolfram syndrome: insulin-dependent diabetes, optic nerve atrophy and medullary degeneration. <i>Scientific Reports</i> , 2017, 7, 10220.	3.3	46
16	Mitochondrial biogenesis is required for axonal growth. <i>Development (Cambridge)</i> , 2016, 143, 1981-92.	2.5	67
17	Mitochondrial Mobility and Neuronal Recovery. <i>New England Journal of Medicine</i> , 2016, 375, 1295-1296.	27.0	10
18	Indole-like Trk receptor antagonists. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 541-552.	5.5	6

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19	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
20	Role of Mitochondrial Dynamics in Neuronal Development: Mechanism for Wolfram Syndrome. <i>PLoS Biology</i> , 2016, 14, e1002511.	5.6	101
21	Mitochondrial biogenesis is required for axonal growth. <i>Journal of Cell Science</i> , 2016, 129, e1.2-e1.2.	2.0	0
22	Principles of mitochondrial fusion and fission cycle in neurons. SpringerPlus, 2015, 4, L34.	1.2	3
23	Gene expression patterns and environmental enrichment-induced effects in the hippocampi of mice suggest importance of Lsamp in plasticity. <i>Frontiers in Neuroscience</i> , 2015, 9, 205.	2.8	15
24	Potassium fluxes across the endoplasmic reticulum and their role in endoplasmic reticulum calcium homeostasis. <i>Cell Calcium</i> , 2015, 58, 79-85.	2.4	28
25	BECN1 is involved in the initiation of mitophagy. <i>Autophagy</i> , 2014, 10, 1105-1119.	9.1	92
26	Principles of the mitochondrial fusion and fission cycle in neurons. <i>Journal of Cell Science</i> , 2013, 126, 2187-97.	2.0	118
27	Energetic and Dynamic: How Mitochondria Meet Neuronal Energy Demands. <i>PLoS Biology</i> , 2013, 11, e1001755.	5.6	37
28	Endoplasmic reticulum potassium-hydrogen exchanger and small conductance calcium-activated potassium channel activities are essential for ER calcium uptake in neurons and cardiomyocytes. <i>Journal of Cell Science</i> , 2012, 125, 625-633.	2.0	49
29	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
30	Mutant A53T α -Synuclein Induces Neuronal Death by Increasing Mitochondrial Autophagy. <i>Journal of Biological Chemistry</i> , 2011, 286, 10814-10824.	3.4	226
31	Membrane-bound Phosphodiesterases in Rat Myocardium. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 48, 962-964.	2.4	7
32	Mitochondria as a source of mechanical signals in cardiomyocytes. <i>Cardiovascular Research</i> , 2010, 87, 83-91.	3.8	39
33	Energetic state is a strong regulator of sarcoplasmic reticulum Ca ²⁺ loss in cardiac muscle: different efficiencies of different energy sources. <i>Cardiovascular Research</i> , 2009, 83, 89-96.	3.8	20
34	PGC-1 α and PGC-1 β Regulate Mitochondrial Density in Neurons. <i>Journal of Biological Chemistry</i> , 2009, 284, 21379-21385.	3.4	256
35	The effects of glutamate receptor antagonists on cerebellar granule cell survival and development. <i>NeuroToxicology</i> , 2008, 29, 101-108.	3.0	21
36	Mitochondrial Swelling Impairs the Transport of Organelles in Cerebellar Granule Neurons. <i>Journal of Biological Chemistry</i> , 2007, 282, 32821-32826.	3.4	41

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37	Regulation of mitochondrial matrix volume. American Journal of Physiology - Cell Physiology, 2007, 292, C157-C163.	4.6	207
38	Distinct effects of atypical 1,4-dihydropyridines on 1-methyl-4-phenylpyridinium-induced toxicity. Cell Biochemistry and Function, 2007, 25, 15-21.	2.9	18
39	Seizures, Ataxia, and Neuronal Loss in Cystatin B Heterozygous Mice. Epilepsia, 2007, 48, 752-757.	5.1	13
40	Chemokine receptor CCR5 expression in in vitro differentiating human fetal neural stem/progenitor and glioblastoma cells. Neuroscience Letters, 2006, 394, 22-27.	2.1	12
41	Altered Tryptophan Metabolism in the Brain of Cystatin B-Deficient Mice: A Model System for Progressive Myoclonus Epilepsy. Epilepsia, 2006, 47, 1650-1654.	5.1	13
42	Loss of mitochondrial membrane potential is associated with increase in mitochondrial volume: Physiological role in neurones. Journal of Cellular Physiology, 2006, 206, 347-353.	4.1	96
43	Dehydroepiandrosterone Inhibits Complex I of the Mitochondrial Respiratory Chain and is Neurotoxic In Vitro and In Vivo at High Concentrations. Toxicological Sciences, 2006, 93, 348-356.	3.1	41
44	Direct mechanical communication between mitochondria and nucleus in cardiac cells. FASEB Journal, 2006, 20, A819.	0.5	0
45	Up-regulation of lysosomal cathepsinâ€fL and autophagy during neuronal death induced by reduced serum and potassium. European Journal of Neuroscience, 2005, 22, 1023-1031.	2.6	39
46	A novel mechanism of regulation of cardiac contractility by mitochondrial functional state. FASEB Journal, 2004, 18, 1219-1227.	0.5	31
47	Method for in situ detection of the mitochondrial function in neurons. Journal of Neuroscience Methods, 2004, 137, 87-95.	2.5	18
48	Neurodegeneration and production of the new cells in the dentate gyrus of juvenile rat hippocampus after a single administration of ethanol. Brain Research, 2003, 978, 115-123.	2.2	26
49	Dehydroepiandrosterone with other neurosteroids preserve neuronal mitochondria from calcium overload. Journal of Steroid Biochemistry and Molecular Biology, 2003, 87, 97-103.	2.5	32
50	From energy store to energy flux: a study in creatine kinase deficient fast skeletal muscle. FASEB Journal, 2003, 17, 708-710.	0.5	44
51	Decreased expression of phospholamban is not associated with lower beta-adrenergic activation in rat atria. Molecular and Cellular Biochemistry, 2001, 223, 109-115.	3.1	6
52	Energetic Crosstalk Between Organelles. Circulation Research, 2001, 89, 153-159.	4.5	240
53	Neuroprotective action of group I metabotropic glutamate receptor agonists against oxygenâ€“glucose deprivation-induced neuronal death. Brain Research, 2000, 853, 370-373.	2.2	35
54	Nitric oxide inhibits cardiac energy production via inhibition of mitochondrial creatine kinase. FEBS Letters, 1999, 444, 75-77.	2.8	57

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55	Do nuclear condensation or fragmentation and DNA fragmentation reflect the mode of neuronal death?. NeuroReport, 1999, 10, 1937-1942.	1.2	8
56	Mechanisms of thyroid hormone control over sensitivity and maximal contractile responsiveness to β_2 -adrenergic agonists in atria. , 1998, , 419-426.		2
57	Sarcoplasmic reticulum function in determining atrioventricular contractile differences in rat heart. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H2498-H2507.	3.2	26
58	Thyroid hormones differentially affect sarcoplasmic reticulum function in rat atria and ventricles. Molecular and Cellular Biochemistry, 1997, 176, 119-126.	3.1	13
59	Thyroid hormones differentially affect sarcoplasmic reticulum function in rat atria and ventricles. , 1997, , 119-126.		6
60	Enhanced Negative Inotropic Effect of an Adenosine A1-Receptor Agonist in Rat Left Atria in Hypothyroidism. Journal of Molecular and Cellular Cardiology, 1994, 26, 509-517.	1.9	17
61	Low Particulate Type IV Phosphodiesterase Activity in Hypothyroid Rat Atria. Journal of Molecular and Cellular Cardiology, 1994, 26, 1587-1592.	1.9	6