Gyorgy Szabadkai

List of Publications by Year
in descending order

46	14,304	196777	274796
papers	citations	29 h-index	44 g-index

46	46	46	26162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification and functional validation of FDA-approved positive and negative modulators of the mitochondrial calcium uniporter. Cell Reports, 2021, 35, 109275.	2.9	28
2	Impaired cellular bioenergetics caused by GBA1 depletion sensitizes neurons to calcium overload. Cell Death and Differentiation, 2020, 27, 1588-1603.	5.0	24
3	Organelles: The Emerging Signalling Chart ofÂMitochondrial Dynamics. Current Biology, 2018, 28, R73-R75.	1.8	10
4	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	5.0	4,036
5	Inositol trisphosphate receptor-mediated Ca2+ signalling stimulates mitochondrial function and gene expression in core myopathy patients. Human Molecular Genetics, 2018, 27, 2367-2382.	1.4	14
6	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. International Review of Cell and Molecular Biology, 2018, 340, 209-344.	1.6	208
7	Pathological consequences of MICU1 mutations on mitochondrial calcium signalling and bioenergetics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1009-1017.	1.9	47
8	Mitochondrial permeability transition pore: sensitivity to opening and mechanistic dependence on substrate availability. Scientific Reports, 2017, 7, 10492.	1.6	99
9	Identification of ER-000444793, a Cyclophilin D-independent inhibitor of mitochondrial permeability transition, using a high-throughput screen in cryopreserved mitochondria. Scientific Reports, 2016, 6, 37798.	1.6	19
10	Selective Inhibition of the Mitochondrial Permeability Transition Pore Protects against Neurodegeneration in Experimental Multiple Sclerosis. Journal of Biological Chemistry, 2016, 291, 4356-4373.	1.6	66
11	Measuring Baseline Ca2+ Levels in Subcellular Compartments Using Genetically Engineered Fluorescent Indicators. Methods in Enzymology, 2014, 543, 47-72.	0.4	17
12	Loss-of-function mutations in MICU1 cause a brain and muscle disorder linked to primary alterations in mitochondrial calcium signaling. Nature Genetics, 2014, 46, 188-193.	9.4	311
13	Endoplasmic reticulum stress in spinal and bulbar muscular atrophy: a potential target for therapy. Brain, 2014, 137, 1894-1906.	3.7	31
14	KÎ±Î»Ã³Ï, Î¹Î±Î¹ AÎ³Î±Î¸Ã³Ï,: how mitochondrial beauty translates into biological virtue. Current Opinion in Cell Biology, 2013, 25, 477-482.	2.6	5
15	No evidence for a local renin-angiotensin system in liver mitochondria. Scientific Reports, 2013, 3, 2467.	1.6	12
16	Altered Ca2+ Homeostasis and Endoplasmic Reticulum Stress in Myotonic Dystrophy Type 1 Muscle Cells. Genes, 2013, 4, 275-292.	1.0	33
17	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
18	Increased ERâ€“mitochondrial coupling promotes mitochondrial respiration and bioenergetics during early phases of ER stress. Journal of Cell Science, 2011, 124, 2143-2152.	1.2	483

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19	Ca2+, autophagy and protein degradation: Thrown off balance in neurodegenerative disease. Cell Calcium, 2010, 47, 112-121.	1.1	39
20	Mitochondria as organizers of the cellular Ca2+ Signaling Network. , 2010, , 963-972.		0
21	Ca2+ Transfer from the ER to Mitochondria: Channeling Cell Death by a Tumor Suppressor. Developmental Cell, 2010, 19, 789-790.	3.1	8
22	Roles of mitochondria in human disease. Essays in Biochemistry, 2010, 47, 115-137.	2.1	147
23	Mitochondria mediated cell death in diabetes. Apoptosis: an International Journal on Programmed Cell Death, 2009, 14, 1405-1423.	2.2	49
24	Interactions between the endoplasmic reticulum, mitochondria, plasma membrane and other subcellular organelles. International Journal of Biochemistry and Cell Biology, 2009, 41, 1805-1816.	1.2	165
25	Plasma membrane associated membranes (PAM) from Jurkat cells contain STIM1 protein. International Journal of Biochemistry and Cell Biology, 2009, 41, 2440-2449.	1.2	20
26	The Mitochondrial Antioxidants MitoE₂and MitoQ₁₀Increase Mitochondrial Ca²⁺Load upon Cell Stimulation by Inhibiting Ca²⁺Efflux from the Organelle. Annals of the New York Academy of Sciences, 2008, 1147, 264-274.	1.8	36
27	Modulation of intracellular Ca2+ signalling in HeLa cells by the apoptotic cell death enhancer PK11195. Biochemical Pharmacology, 2008, 76, 1628-1636.	2.0	24
28	Role of SERCA1 Truncated Isoform in the Proapoptotic Calcium Transfer from ER to Mitochondria during ER Stress. Molecular Cell, 2008, 32, 641-651.	4.5	204
29	Bidirectional Ca ²⁺ -dependent control of mitochondrial dynamics by the Miro GTPase. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20728-20733.	3.3	474
30	Mitochondria: The Hub of Cellular Ca²⁺Signaling. Physiology, 2008, 23, 84-94.	1.6	342
31	Increased longevity and refractoriness to Ca2+-dependent neurodegeneration in Surf1 knockout mice. Human Molecular Genetics, 2007, 16, 431-444.	1.4	279
32	Control of Macroautophagy by Calcium, Calmodulin-Dependent Kinase Kinase-Î², and Bcl-2. Molecular Cell, 2007, 25, 193-205.	4.5	961
33	Chaperones as Parts of Organelle Networks. , 2007, 594, 64-77.		19
34	Overexpression of adenine nucleotide translocase reduces Ca2+ signal transmission between the ER and mitochondria. Biochemical and Biophysical Research Communications, 2006, 348, 393-399.	1.0	25
35	Chaperone-mediated coupling of endoplasmic reticulum and mitochondrial Ca2+ channels. Journal of Cell Biology, 2006, 175, 901-911.	2.3	1,107
36	Cytopathic effects of the cytomegalovirus-encoded apoptosis inhibitory protein vMIA. Journal of Cell Biology, 2006, 174, 985-996.	2.3	90

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37	Bcl-2 and Bax Exert Opposing Effects on Ca2+ Signaling, Which Do Not Depend on Their Putative Pore-forming Region. Journal of Biological Chemistry, 2004, 279, 54581-54589.	1.6	98
38	Calcium and mitochondria: mechanisms and functions of a troubled relationship. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 119-131.	1.9	115
39	Participation of endoplasmic reticulum and mitochondrial calcium handling in apoptosis: more than just neighborhood?. FEBS Letters, 2004, 567, 111-115.	1.3	118
40	Drp-1-Dependent Division of the Mitochondrial Network Blocks Intraorganellar Ca2+ Waves and Protects against Ca2+-Mediated Apoptosis. Molecular Cell, 2004, 16, 59-68.	4.5	440
41	Calcium and apoptosis: facts and hypotheses. Oncogene, 2003, 22, 8619-8627.	2.6	439
42	Mitochondrial Ca2+ Uptake Requires Sustained Ca2+ Release from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2003, 278, 15153-15161.	1.6	79
43	Recombinant expression of the voltage-dependent anion channel enhances the transfer of Ca2+ microdomains to mitochondria. Journal of Cell Biology, 2002, 159, 613-624.	2.3	400
44	Stimulus-Secretion Coupling and Mitochondrial Metabolism in Steroid-Secreting Cells. Physiology, 2001, 16, 197-200.	1.6	6
45	Cytoplasmic Ca2+ at low submicromolar concentration stimulates mitochondrial metabolism in rat luteal cells. Pflugers Archiv European Journal of Physiology, 2001, 441, 678-685.	1.3	45
46	Selective inhibition of potassium-stimulated rat adrenal glomerulosa cells by ruthenium red. Biochemical Pharmacology, 1999, 57, 209-218.	2.0	10