

Gyorgy Szabadkai

List of Publications by Citations

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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.

39
papers

4,713
citations

18
h-index

44
g-index

44
ext. papers

5,308
ext. citations

8.7
avg, IF

4.84
L-index

#	Paper	IF	Citations
39	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.	16.2	2783
38	Separating NADH and NADPH fluorescence in live cells and tissues using FLIM. <i>Nature Communications</i> , 2014 , 5, 3936	17.4	304
37	Mitochondria: the hub of cellular Ca ²⁺ signaling. <i>Physiology</i> , 2008 , 23, 84-94	9.8	296
36	Loss-of-function mutations in MICU1 cause a brain and muscle disorder linked to primary alterations in mitochondrial calcium signaling. <i>Nature Genetics</i> , 2014 , 46, 188-93	36.3	242
35	The mitochondrial calcium uniporter regulates breast cancer progression via HIF-1 α . <i>EMBO Molecular Medicine</i> , 2016 , 8, 569-85	12	155
34	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. <i>International Review of Cell and Molecular Biology</i> , 2018 , 340, 209-344	6	102
33	PGC-1 family coactivators and cell fate: roles in cancer, neurodegeneration, cardiovascular disease and retrograde mitochondria-nucleus signalling. <i>Mitochondrion</i> , 2012 , 12, 86-99	4.9	101
32	NADH Shuttling Couples Cytosolic Reductive Carboxylation of Glutamine with Glycolysis in Cells with Mitochondrial Dysfunction. <i>Molecular Cell</i> , 2018 , 69, 581-593.e7	17.6	97
31	Mitochondrial Permeability Transition: A Molecular Lesion with Multiple Drug Targets. <i>Trends in Pharmacological Sciences</i> , 2019 , 40, 50-70	13.2	93
30	Mitochondrial permeability transition pore: sensitivity to opening and mechanistic dependence on substrate availability. <i>Scientific Reports</i> , 2017 , 7, 10492	4.9	78
29	Protein CoAlation: a redox-regulated protein modification by coenzyme A in mammalian cells. <i>Biochemical Journal</i> , 2017 , 474, 2489-2508	3.8	53
28	Selective Inhibition of the Mitochondrial Permeability Transition Pore Protects against Neurodegeneration in Experimental Multiple Sclerosis. <i>Journal of Biological Chemistry</i> , 2016 , 291, 4356-73	5.4	48
27	Mitochondria mediated cell death in diabetes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009 , 14, 1405-23	5.4	45
26	Vps34 PI 3-kinase inactivation enhances insulin sensitivity through reprogramming of mitochondrial metabolism. <i>Nature Communications</i> , 2017 , 8, 1804	17.4	37
25	Pathological consequences of MICU1 mutations on mitochondrial calcium signalling and bioenergetics. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 1009-1017	4.9	32
24	mTORC1-independent autophagy regulates receptor tyrosine kinase phosphorylation in colorectal cancer cells via an mTORC2-mediated mechanism. <i>Cell Death and Differentiation</i> , 2017 , 24, 1045-1062	12.7	32
23	Mitochondria form contact sites with the nucleus to couple prosurvival retrograde response. <i>Science Advances</i> , 2020 , 6,	14.3	25

22	Endoplasmic reticulum stress in spinal and bulbar muscular atrophy: a potential target for therapy. <i>Brain</i> , 2014 , 137, 1894-906	11.2	23
21	What Makes You Can also Break You, Part III: Mitochondrial Permeability Transition Pore Formation by an Uncoupling Channel within the C-Subunit Ring of the F1FO ATP Synthase?. <i>Frontiers in Oncology</i> , 2014 , 4, 235	5.3	16
20	Measuring baseline Ca(2+) levels in subcellular compartments using genetically engineered fluorescent indicators. <i>Methods in Enzymology</i> , 2014 , 543, 47-72	1.7	15
19	Impaired cellular bioenergetics caused by GBA1 depletion sensitizes neurons to calcium overload. <i>Cell Death and Differentiation</i> , 2020 , 27, 1588-1603	12.7	15
18	Identification of ER-000444793, a Cyclophilin D-independent inhibitor of mitochondrial permeability transition, using a high-throughput screen in cryopreserved mitochondria. <i>Scientific Reports</i> , 2016 , 6, 37798	4.9	14
17	MLH1 deficiency leads to deregulated mitochondrial metabolism. <i>Cell Death and Disease</i> , 2019 , 10, 795	9.8	14
16	VHL-Mediated Regulation of CHCHD4 and Mitochondrial Function. <i>Frontiers in Oncology</i> , 2018 , 8, 388	5.3	14
15	DJ-1 is a redox sensitive adapter protein for high molecular weight complexes involved in regulation of catecholamine homeostasis. <i>Human Molecular Genetics</i> , 2017 , 26, 4028-4041	5.6	13
14	Macrophages induce malignant traits in mammary epithelium via IKK β /TBK1 kinases and the serine biosynthesis pathway. <i>EMBO Molecular Medicine</i> , 2020 , 12, e10491	12	9
13	CHCHD4 regulates tumour proliferation and EMT-related phenotypes, through respiratory chain-mediated metabolism. <i>Cancer & Metabolism</i> , 2019 , 7, 7	5.4	9
12	MCbiclust: a novel algorithm to discover large-scale functionally related gene sets from massive transcriptomics data collections. <i>Nucleic Acids Research</i> , 2017 , 45, 8712-8730	20.1	8
11	Assessment of Cellular Redox State Using NAD(P)H Fluorescence Intensity and Lifetime. <i>Bio-protocol</i> , 2017 , 7,	0.9	8
10	Metabolic Profiling of Live Cancer Tissues Using NAD(P)H Fluorescence Lifetime Imaging. <i>Methods in Molecular Biology</i> , 2019 , 1928, 365-387	1.4	6
9	Organelles: The Emerging Signalling Chart of Mitochondrial Dynamics. <i>Current Biology</i> , 2018 , 28, R73-R75.	5.3	6
8	What Makes You Can Also Break You, Part II: Mitochondrial Permeability Transition Pore Formation by Dimers of the F1FO ATP-Synthase?. <i>Frontiers in Oncology</i> , 2013 , 3, 140	5.3	6
7	Identification and functional validation of FDA-approved positive and negative modulators of the mitochondrial calcium uniporter. <i>Cell Reports</i> , 2021 , 35, 109275	10.6	5
6	PICALM rescues glutamatergic neurotransmission, behavioural function and survival in a Drosophila model of A β 2 toxicity. <i>Human Molecular Genetics</i> , 2020 , 29, 2420-2434	5.6	2
5	Constitutive activation of the PI3K-Akt-mTORC1 pathway sustains the m.3243 A > G mtDNA mutation. <i>Nature Communications</i> , 2021 , 12, 6409	17.4	2

4	The breast cancer oncogene IKK α coordinates mitochondrial function and serine metabolism. <i>EMBO Reports</i> , 2020 , 21, e48260	6.5	2
3	Fantastic beasts and how to find them-Molecular identification of the mitochondrial ATP-sensitive potassium channel. <i>Cell Calcium</i> , 2019 , 84, 102100	4	1
2	Biclustering Analysis of Co-regulation Patterns in Nuclear-Encoded Mitochondrial Genes and Metabolic Pathways. <i>Methods in Molecular Biology</i> , 2019 , 1928, 469-478	1.4	0
1	Targeting the mitochondria for the treatment of MLH1-deficient disease.. <i>Journal of Clinical Oncology</i> , 2016 , 34, e23182-e23182	2.2	