Gyorgy Szabadkai

List of Publications by Year in Descending Order

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	Constitutive activation of the PI3K-Akt-mTORC1 pathway sustains the m.3243 A > G mtDNA mutation. *Nature Communications*, **2021**, 12, 6409	17.4	2
38	Identification and functional validation of FDA-approved positive and negative modulators of the mitochondrial calcium uniporter. *Cell Reports*, **2021**, 35, 109275	10.6	5
37	PICALM rescues glutamatergic neurotransmission, behavioural function and survival in a Drosophila model of A42 toxicity. *Human Molecular Genetics*, **2020**, 29, 2420-2434	5.6	2
36	Macrophages induce malignant traits in mammary epithelium via IKK/TBK1 kinases and the serine biosynthesis pathway. *EMBO Molecular Medicine*, **2020**, 12, e10491	12	9
35	Mitochondria form contact sites with the nucleus to couple prosurvival retrograde response. *Science Advances*, **2020**, 6,	14.3	25
34	The breast cancer oncogene IKKcoordinates mitochondrial function and serine metabolism. *EMBO Reports*, **2020**, 21, e48260	6.5	2
33	Impaired cellular bioenergetics caused by GBA1 depletion sensitizes neurons to calcium overload. *Cell Death and Differentiation*, **2020**, 27, 1588-1603	12.7	15
32	Metabolic Profiling of Live Cancer Tissues Using NAD(P)H Fluorescence Lifetime Imaging. *Methods in Molecular Biology*, **2019**, 1928, 365-387	1.4	6
31	Biclustering Analysis of Co-regulation Patterns in Nuclear-Encoded Mitochondrial Genes and Metabolic Pathways. *Methods in Molecular Biology*, **2019**, 1928, 469-478	1.4	0
30	CHCHD4 regulates tumour proliferation and EMT-related phenotypes, through respiratory chain-mediated metabolism. *Cancer & Metabolism*, **2019**, 7, 7	5.4	9
29	MLH1 deficiency leads to deregulated mitochondrial metabolism. *Cell Death and Disease*, **2019**, 10, 795	9.8	14
28	Fantastic beasts and how to find them-Molecular identification of the mitochondrial ATP-sensitive potassium channel. *Cell Calcium*, **2019**, 84, 102100	4	1
27	Mitochondrial Permeability Transition: A Molecular Lesion with Multiple Drug Targets. *Trends in Pharmacological Sciences*, **2019**, 40, 50-70	13.2	93
26	NADH Shuttling Couples Cytosolic Reductive Carboxylation of Glutamine with Glycolysis in Cells with Mitochondrial Dysfunction. *Molecular Cell*, **2018**, 69, 581-593.e7	17.6	97
25	Organelles: The Emerging Signalling Chart ofMitochondrial Dynamics. *Current Biology*, **2018**, 28, R73-R75	5.3	6
24	VHL-Mediated Regulation of CHCHD4 and Mitochondrial Function. *Frontiers in Oncology*, **2018**, 8, 388	5.3	14
23	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. *International Review of Cell and Molecular Biology*, **2018**, 340, 209-344	6	102

22	Pathological consequences of MICU1 mutations on mitochondrial calcium signalling and bioenergetics. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 1009-1017	4.9	32
21	mTORC1-independent autophagy regulates receptor tyrosine kinase phosphorylation in colorectal cancer cells via an mTORC2-mediated mechanism. *Cell Death and Differentiation*, **2017**, 24, 1045-1062	12.7	32
20	Protein CoAlation: a redox-regulated protein modification by coenzyme A in mammalian cells. *Biochemical Journal*, **2017**, 474, 2489-2508	3.8	53
19	MCbiclust: a novel algorithm to discover large-scale functionally related gene sets from massive transcriptomics data collections. *Nucleic Acids Research*, **2017**, 45, 8712-8730	20.1	8
18	Assessment of Cellular Redox State Using NAD(P)H Fluorescence Intensity and Lifetime. *Bio-protocol*, **2017**, 7,	0.9	8
17	Mitochondrial permeability transition pore: sensitivity to opening and mechanistic dependence on substrate availability. *Scientific Reports*, **2017**, 7, 10492	4.9	78
16	DJ-1 is a redox sensitive adapter protein for high molecular weight complexes involved in regulation of catecholamine homeostasis. *Human Molecular Genetics*, **2017**, 26, 4028-4041	5.6	13
15	Vps34 PI 3-kinase inactivation enhances insulin sensitivity through reprogramming of mitochondrial metabolism. *Nature Communications*, **2017**, 8, 1804	17.4	37
14	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	4.9	14
13	Selective Inhibition of the Mitochondrial Permeability Transition Pore Protects against Neurodegeneration in Experimental Multiple Sclerosis. *Journal of Biological Chemistry*, **2016**, 291, 4356-73	5.4	48
12	Targeting the mitochondria for the treatment of MLH1-deficient disease.. *Journal of Clinical Oncology*, **2016**, 34, e23182-e23182	2.2	
11	The mitochondrial calcium uniporter regulates breast cancer progression via HIF-1 *EMBO Molecular Medicine*, **2016**, 8, 569-85	12	155
10	Loss-of-function mutations in MICU1 cause a brain and muscle disorder linked to primary alterations in mitochondrial calcium signaling. *Nature Genetics*, **2014**, 46, 188-93	36.3	242
9	Endoplasmic reticulum stress in spinal and bulbar muscular atrophy: a potential target for therapy. *Brain*, **2014**, 137, 1894-906	11.2	23
8	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?. *Frontiers in Oncology*, **2014**, 4, 235	5.3	16
7	Separating NADH and NADPH fluorescence in live cells and tissues using FLIM. *Nature Communications*, **2014**, 5, 3936	17.4	304
6	Measuring baseline Ca(2+) levels in subcellular compartments using genetically engineered fluorescent indicators. *Methods in Enzymology*, **2014**, 543, 47-72	1.7	15
5	What Makes You Can Also Break You, Part II: Mitochondrial Permeability Transition Pore Formation by Dimers of the F1FO ATP-Synthase?. *Frontiers in Oncology*, **2013**, 3, 140	5.3	6

4	PGC-1 family coactivators and cell fate: roles in cancer, neurodegeneration, cardiovascular disease and retrograde mitochondria-nucleus signalling. *Mitochondrion*, **2012**, 12, 86-99	4.9	101
3	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
2	Mitochondria mediated cell death in diabetes. *Apoptosis: an International Journal on Programmed Cell Death*, **2009**, 14, 1405-23	5.4	45
1	Mitochondria: the hub of cellular Ca2+ signaling. *Physiology*, **2008**, 23, 84-94	9.8	296