Tobias Eisenberg

List of Publications by Citations

87 papers	11,191 citations	44 h-index	96 g-index
96 ext. papers	13,168 ext. citations	9.2 avg, IF	5.4 L-index

#	Paper	IF	Citations
87	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
86	Induction of autophagy by spermidine promotes longevity. *Nature Cell Biology*, **2009**, 11, 1305-14	23.4	1033
85	Cardioprotection and lifespan extension by the natural polyamine spermidine. *Nature Medicine*, **2016**, 22, 1428-1438	50.5	532
84	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. *Journal of Cell Biology*, **2011**, 192, 615-29	7.3	362
83	Spermidine in health and disease. *Science*, **2018**, 359,	33.3	358
82	Regulation of autophagy by cytosolic acetyl-coenzyme A. *Molecular Cell*, **2014**, 53, 710-25	17.6	331
81	Endonuclease G regulates budding yeast life and death. *Molecular Cell*, **2007**, 25, 233-46	17.6	269
80	Apoptosis in yeast. *Current Opinion in Microbiology*, **2004**, 7, 655-60	7.9	244
79	Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner. *Nature Neuroscience*, **2013**, 16, 1453-60	25.5	216
78	Nucleocytosolic depletion of the energy metabolite acetyl-coenzyme a stimulates autophagy and prolongs lifespan. *Cell Metabolism*, **2014**, 19, 431-44	24.6	189
77	IPO: a tool for automated optimization of XCMS parameters. *BMC Bioinformatics*, **2015**, 16, 118	3.6	175
76	The mitochondrial pathway in yeast apoptosis. *Apoptosis: an International Journal on Programmed Cell Death*, **2007**, 12, 1011-23	5.4	174
75	Caloric restriction mimetics: towards a molecular definition. *Nature Reviews Drug Discovery*, **2014**, 13, 727-40	64.1	156
74	Lifespan extension by methionine restriction requires autophagy-dependent vacuolar acidification. *PLoS Genetics*, **2014**, 10, e1004347	6	143
73	Why yeast cells can undergo apoptosis: death in times of peace, love, and war. *Journal of Cell Biology*, **2006**, 175, 521-5	7.3	143
72	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. *Cell Metabolism*, **2019**, 30, 462-476.e6	24.6	131
71	Programmed necrosis from molecules to health and disease. *International Review of Cell and Molecular Biology*, **2011**, 289, 1-35	6	125

70	Necrosis in yeast. *Apoptosis: an International Journal on Programmed Cell Death*, **2010**, 15, 257-68	5.4	117
69	Spermidine: a novel autophagy inducer and longevity elixir. *Autophagy*, **2010**, 6, 160-2	10.2	116
68	Caspase-dependent and caspase-independent cell death pathways in yeast. *Biochemical and Biophysical Research Communications*, **2009**, 382, 227-31	3.4	116
67	Functional mitochondria are required for alpha-synuclein toxicity in aging yeast. *Journal of Biological Chemistry*, **2008**, 283, 7554-60	5.4	110
66	Fatty acids trigger mitochondrion-dependent necrosis. *Cell Cycle*, **2010**, 9, 2836-42	4.7	108
65	A yeast BH3-only protein mediates the mitochondrial pathway of apoptosis. *EMBO Journal*, **2011**, 30, 2779-92	13	105
64	Spermidine protects against Esynuclein neurotoxicity. *Cell Cycle*, **2014**, 13, 3903-8	4.7	104
63	Higher spermidine intake is linked to lower mortality: a prospective population-based study. *American Journal of Clinical Nutrition*, **2018**, 108, 371-380	7	101
62	Prognostic impact of vitamin B6 metabolism in lung cancer. *Cell Reports*, **2012**, 2, 257-69	10.6	100
61	Identification of autophagosome-associated proteins and regulators by quantitative proteomic analysis and genetic screens. *Molecular and Cellular Proteomics*, **2012**, 11, M111.014035	7.6	99
60	Guidelines and recommendations on yeast cell death nomenclature. *Microbial Cell*, **2018**, 5, 4-31	3.9	96
59	Yno1p/Aim14p, a NADPH-oxidase ortholog, controls extramitochondrial reactive oxygen species generation, apoptosis, and actin cable formation in yeast. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 8658-63	11.5	94
58	Yeast caspase 1 links messenger RNA stability to apoptosis in yeast. *EMBO Reports*, **2005**, 6, 1076-81	6.5	85
57	The Warburg effect suppresses oxidative stress induced apoptosis in a yeast model for cancer. *PLoS ONE*, **2009**, 4, e4592	3.7	83
56	Autophagy for the avoidance of neurodegeneration. *Genes and Development*, **2009**, 23, 2253-9	12.6	75
55	Crucial mitochondrial impairment upon CDC48 mutation in apoptotic yeast. *Journal of Biological Chemistry*, **2006**, 281, 25757-67	5.4	68
54	Endonuclease G mediates Esynuclein cytotoxicity during Parkinson's disease. *EMBO Journal*, **2013**, 32, 3041-54	13	63
53	Cell cycle regulation via inter-nuclear communication during the early embryonic development of Drosophila melanogaster. *Cell Cycle*, **2010**, 9, 2908-10	4.7	62

52	The flavonoid 4,4′-dimethoxychalcone promotes autophagy-dependent longevity across species. *Nature Communications*, **2019**, 10, 651	17.4	62
51	Safety and tolerability of spermidine supplementation in mice and older adults with subjective cognitive decline. *Aging*, **2018**, 10, 19-33	5.6	60
50	TORC1 promotes phosphorylation of ribosomal protein S6 via the AGC kinase Ypk3 in Saccharomyces cerevisiae. *PLoS ONE*, **2015**, 10, e0120250	3.7	54
49	Polyamines in biological samples: rapid and robust quantification by solid-phase extraction online-coupled to liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2014**, 1331, 44-51	4.5	50
48	Lipids and cell death in yeast. *FEMS Yeast Research*, **2014**, 14, 179-97	3.1	49
47	Spermidine-triggered autophagy ameliorates memory during aging. *Autophagy*, **2014**, 10, 178-9	10.2	48
46	Loss of peroxisome function triggers necrosis. *FEBS Letters*, **2008**, 582, 2882-6	3.8	48
45	Triacylglycerol accumulation activates the mitochondrial apoptosis pathway in macrophages. *Journal of Biological Chemistry*, **2011**, 286, 7418-28	5.4	47
44	Dietary spermidine for lowering high blood pressure. *Autophagy*, **2017**, 13, 767-769	10.2	44
43	Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. *Cell Reports*, **2015**, 10, 1557-1571	10.6	41
42	Nicotinamide for the treatment of heart failure with preserved ejection fraction. *Science Translational Medicine*, **2021**, 13,	17.5	38
41	Dimethyl α-ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. *Autophagy*, **2014**, 10, 930-2	10.2	37
40	The role of mitochondria in the aging processes of yeast. *Sub-Cellular Biochemistry*, **2012**, 57, 55-78	5.5	36
39	Acetyl-coenzyme A: a metabolic master regulator of autophagy and longevity. *Autophagy*, **2014**, 10, 1335-7	10.2	34
38	Ceramide triggers metacaspase-independent mitochondrial cell death in yeast. *Cell Cycle*, **2011**, 10, 3973-8	4.7	32
37	Independent transcriptional reprogramming and apoptosis induction by cisplatin. *Cell Cycle*, **2012**, 11, 3472-80	4.7	31
36	Longevity-relevant regulation of autophagy at the level of the acetylproteome. *Autophagy*, **2011**, 7, 647-9	10.2	30
35	Depletion of endonuclease G selectively kills polyploid cells. *Cell Cycle*, **2007**, 6, 1072-6	4.7	26

34	Dietary spermidine improves cognitive function. *Cell Reports*, **2021**, 35, 108985	10.6	25
33	Magnetomitotransfer: An efficient way for direct mitochondria transfer into cultured human cells. *Scientific Reports*, **2016**, 6, 35571	4.9	23
32	Spermidine protects from age-related synaptic alterations at hippocampal mossy fiber-CA3 synapses. *Scientific Reports*, **2019**, 9, 19616	4.9	21
31	Spermidine promotes mating and fertilization efficiency in model organisms. *Cell Cycle*, **2013**, 12, 346-52	4.7	20
30	The metabolism beyond programmed cell death in yeast. *Experimental Cell Research*, **2012**, 318, 1193-200	4.2	18
29	The Coordinated Action of Calcineurin and Cathepsin D Protects Against -Synuclein Toxicity. *Frontiers in Molecular Neuroscience*, **2017**, 10, 207	6.1	17
28	A histone point mutation that switches on autophagy. *Autophagy*, **2014**, 10, 1143-5	10.2	17
27	The cell death protease Kex1p is essential for hypochlorite-induced apoptosis in yeast. *Cell Cycle*, **2013**, 12, 1704-12	4.7	15
26	Acetyl-CoA carboxylase 1-dependent lipogenesis promotes autophagy downstream of AMPK. *Journal of Biological Chemistry*, **2019**, 294, 12020-12039	5.4	13
25	Nutritional Aspects of Spermidine. *Annual Review of Nutrition*, **2020**, 40, 135-159	9.9	12
24	Diacylglycerol triggers Rim101 pathway-dependent necrosis in yeast: a model for lipotoxicity. *Cell Death and Differentiation*, **2018**, 25, 767-783	12.7	12
23	Chemical activation of SAT1 corrects diet-induced metabolic syndrome. *Cell Death and Differentiation*, **2020**, 27, 2904-2920	12.7	11
22	Autophagy extends lifespan via vacuolar acidification. *Microbial Cell*, **2014**, 1, 160-162	3.9	10
21	Mitochondrial energy metabolism is required for lifespan extension by the spastic paraplegia-associated protein spartin. *Microbial Cell*, **2017**, 4, 411-422	3.9	8
20	Cell cycle control of cell death in yeast. *Cell Cycle*, **2010**, 9, 4046	4.7	7
19	4,4-Dimethoxychalcone: a natural flavonoid that promotes health through autophagy-dependent and -independent effects. *Autophagy*, **2019**, 15, 1662-1664	10.2	6
18	Modeling non-hereditary mechanisms of Alzheimer disease during apoptosis in yeast. *Microbial Cell*, **2015**, 2, 136-138	3.9	6
17	Spermidine-induced hypusination preserves mitochondrial and cognitive function during aging. *Autophagy*, **2021**, 17, 2037-2039	10.2	6

16	Aspirin impairs acetyl-coenzyme A metabolism in redox-compromised yeast cells. *Scientific Reports*, **2019**, 9, 6152	4.9	4
15	Global analysis of protein arginine methylation.. *Cell Reports Methods*, **2021**, 1, 100016		4
14	High reactive oxygen species levels are detected at the end of the chronological life span of translocant yeast cells. *Molecular Genetics and Genomics*, **2016**, 291, 423-35	3.1	3
13	Friend or food: different cues to the autophagosomal proteome. *Autophagy*, **2012**, 8, 995-6	10.2	3
12	Cardioprotection by spermidine does not depend on structural characteristics of the myocardial microcirculation in aged mice. *Experimental Gerontology*, **2019**, 119, 82-88	4.5	2
11	Targeting GATA transcription factors - a novel strategy for anti-aging interventions?. *Microbial Cell*, **2019**, 6, 212-216	3.9	2
10	Spermidine supplementation and voluntary activity differentially affect obesity-related structural changes in the mouse lung. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 319, L312-L324	5.8	2
9	-acetylaspartate availability is essential for juvenile survival on fat-free diet and determines metabolic health. *FASEB Journal*, **2019**, 33, 13808-13824	0.9	2
8	Effects of Spermidine Supplementation on Cognition and Biomarkers in Older Adults With Subjective Cognitive Decline. *JAMA Network Open*, **2022**, 5, e2213875	10.4	2
7	Identification of novel genes involved in neutral lipid storage by quantitative trait loci analysis of Saccharomyces cerevisiae. *BMC Genomics*, **2021**, 22, 110	4.5	1
6	Ca2+ administration prevents □synuclein proteotoxicity by stimulating calcineurin-dependent lysosomal proteolysis. *PLoS Genetics*, **2021**, 17, e1009911	6	0
5	The effect of spermidine on autoimmunity and beta cell function in NOD mice.. *Scientific Reports*, **2022**, 12, 4502	4.9	0
4	The HSP40 chaperone Ydj1 drives amyloid beta 42 toxicity.. *EMBO Molecular Medicine*, **2022**, e13952	12	0
3	Spermidin als Demenzprotektor. *Zeitschrift F□ Komplement□medizin*, **2020**, 12, 38-40	0.1	
2	Reply to Gostner and Fuchs. *American Journal of Clinical Nutrition*, **2019**, 109, 218-219	7	
1	Effects of physiologic inputs on autophagy **2022**, 81-95		