Tobias Eisenberg

List of Publications by Year
in descending order

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91 papers	14,592 citations	53939 47 h-index	53065 89 g-index
96 all docs	96 docs citations	96 times ranked	26167 citing authors

#	Article	IF	Citations
1	Spermidine supplementation influences mitochondrial number and morphology in the heart of aged mice. Journal of Anatomy, 2023, 242, 91-101.	0.9	16
2	Effects of physiologic inputs on autophagy. , 2022, , 81-95.		0
3	The effect of spermidine on autoimmunity and beta cell function in NOD mice. Scientific Reports, 2022, 12, 4502.	1.6	9
4	The HSP40 chaperone Ydj1 drives amyloid beta 42 toxicity. EMBO Molecular Medicine, 2022, 14, e13952.	3.3	16
5	Effects of Spermidine Supplementation on Cognition and Biomarkers in Older Adults With Subjective Cognitive Decline. JAMA Network Open, 2022, 5, e2213875.	2.8	17
6	Fine-Tuning Cardiac Insulin-Like Growth Factor 1 Receptor Signaling to Promote Health and Longevity. Circulation, 2022, 145, 1853-1866.	1.6	29
7	Identification of novel genes involved in neutral lipid storage by quantitative trait loci analysis of Saccharomyces cerevisiae. BMC Genomics, 2021, 22, 110.	1.2	3
8	Nicotinamide for the treatment of heart failure with preserved ejection fraction. Science Translational Medicine, 2021, 13, .	5.8	109
9	Dietary spermidine improves cognitive function. Cell Reports, 2021, 35, 108985.	2.9	98
10	Spermidine-induced hypusination preserves mitochondrial and cognitive function during aging. Autophagy, 2021, 17, 2037-2039.	4.3	35
11	Global analysis of protein arginine methylation. Cell Reports Methods, 2021, 1, 100016.	1.4	27
12	Ca2+ administration prevents Î±-synuclein proteotoxicity by stimulating calcineurin-dependent lysosomal proteolysis. PLoS Genetics, 2021, 17, e1009911.	1.5	2
13	Chemical activation of SAT1 corrects diet-induced metabolic syndrome. Cell Death and Differentiation, 2020, 27, 2904-2920.	5.0	22
14	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.	1.3	5
15	Nutritional Aspects of Spermidine. Annual Review of Nutrition, 2020, 40, 135-159.	4.3	55
16	4,4'Dimethoxychalcone: a natural flavonoid that promotes health through autophagy-dependent and -independent effects. Autophagy, 2019, 15, 1662-1664.	4.3	8
17	Nâ€acetylaspartate availability is essential for juvenile survival on fatâ€free diet and determines metabolic health. FASEB Journal, 2019, 33, 13808-13824.	0.2	6
18	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. Cell Metabolism, 2019, 30, 462-476.e6.	7.2	256

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19	Cardioprotection by spermidine does not depend on structural characteristics of the myocardial microcirculation in aged mice. Experimental Gerontology, 2019, 119, 82-88.	1.2	5
20	Targeting GATA transcription factors â€“ a novel strategy for anti-aging interventions?. Microbial Cell, 2019, 6, 212-216.	1.4	6
21	Acetyl-CoA carboxylase 1â€“dependent lipogenesis promotes autophagy downstream of AMPK. Journal of Biological Chemistry, 2019, 294, 12020-12039.	1.6	29
22	Aspirin impairs acetyl-coenzyme A metabolism in redox-compromised yeast cells. Scientific Reports, 2019, 9, 6152.	1.6	5
23	The flavonoid 4,4â€²-dimethoxychalcone promotes autophagy-dependent longevity across species. Nature Communications, 2019, 10, 651.	5.8	100
24	Spermidine protects from age-related synaptic alterations at hippocampal mossy fiber-CA3 synapses. Scientific Reports, 2019, 9, 19616.	1.6	33
25	Reply to Gostner and Fuchs. American Journal of Clinical Nutrition, 2019, 109, 218-219.	2.2	1
26	Spermidine in health and disease. Science, 2018, 359, .	6.0	616
27	Guidelines and recommendations on yeast cell death nomenclature. Microbial Cell, 2018, 5, 4-31.	1.4	158
28	Safety and tolerability of spermidine supplementation in mice and older adults with subjective cognitive decline. Aging, 2018, 10, 19-33.	1.4	101
29	Higher spermidine intake is linked to lower mortality: a prospective population-based study. American Journal of Clinical Nutrition, 2018, 108, 371-380.	2.2	150
30	Diacylglycerol triggers Rim101 pathwayâ€“dependent necrosis in yeast: a model for lipotoxicity. Cell Death and Differentiation, 2018, 25, 767-783.	5.0	22
31	Dietary spermidine for lowering high blood pressure. Autophagy, 2017, 13, 767-769.	4.3	63
32	The Coordinated Action of Calcineurin and Cathepsin D Protects Against Î±-Synuclein Toxicity. Frontiers in Molecular Neuroscience, 2017, 10, 207.	1.4	22
33	Mitochondrial energy metabolism is required for lifespan extension by the spastic paraplegia-associated protein spartin. Microbial Cell, 2017, 4, 411-422.	1.4	10
34	Cardioprotection and lifespan extension by the natural polyamine spermidine. Nature Medicine, 2016, 22, 1428-1438.	15.2	801
35	Magnetomitotransfer: An efficient way for direct mitochondria transfer into cultured human cells. Scientific Reports, 2016, 6, 35571.	1.6	38
36	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701

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37	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, 423-435.	1.0	4
38	IPO: a tool for automated optimization of XCMS parameters. BMC Bioinformatics, 2015, 16, 118.	1.2	249
39	Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. Cell Reports, 2015, 10, 1557-1571.	2.9	52
40	TORC1 Promotes Phosphorylation of Ribosomal Protein S6 via the AGC Kinase Ypk3 in Saccharomyces cerevisiae. PLoS ONE, 2015, 10, e0120250.	1.1	93
41	Modeling non-hereditary mechanisms of Alzheimer disease during apoptosis in yeast. Microbial Cell, 2015, 2, 136-138.	1.4	8
42	Metabolites in aging and autophagy. Microbial Cell, 2014, 1, 110-114.	1.4	15
43	Spermidine-triggered autophagy ameliorates memory during aging. Autophagy, 2014, 10, 178-179.	4.3	62
44	A histone point mutation that switches on autophagy. Autophagy, 2014, 10, 1143-1145.	4.3	18
45	Acetyl-coenzyme A. Autophagy, 2014, 10, 1335-1337.	4.3	42
46	Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. PLoS Genetics, 2014, 10, e1004347.	1.5	192
47	Spermidine protects against Î±-synuclein neurotoxicity. Cell Cycle, 2014, 13, 3903-3908.	1.3	132
48	Dimethyl Î±-ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. Autophagy, 2014, 10, 930-932.	4.3	45
49	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. Cell Metabolism, 2014, 19, 431-444.	7.2	221
50	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. Molecular Cell, 2014, 53, 710-725.	4.5	412
51	Lipids and cell death in yeast. FEMS Yeast Research, 2014, 14, 179-197.	1.1	65
52	Caloric restriction mimetics: towards a molecular definition. Nature Reviews Drug Discovery, 2014, 13, 727-740.	21.5	200
53	Polyamines in biological samples: Rapid and robust quantification by solid-phase extraction online-coupled to liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2014, 1331, 44-51.	1.8	65
54	Autophagy extends lifespan via vacuolar acidification. Microbial Cell, 2014, 1, 160-162.	1.4	13

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55	Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner. Nature Neuroscience, 2013, 16, 1453-1460.	7.1	283
56	Spermidine promotes mating and fertilization efficiency in model organisms. Cell Cycle, 2013, 12, 346-352.	1.3	29
57	Endonuclease G mediates Î±-synuclein cytotoxicity during Parkinson's disease. EMBO Journal, 2013, 32, 3041-3054.	3.5	71
58	The cell death protease Kex1p is essential for hypochlorite-induced apoptosis in yeast. Cell Cycle, 2013, 12, 1704-1712.	1.3	23
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, 8658-8663.	3.3	126
60	Independent transcriptional reprogramming and apoptosis induction by cisplatin. Cell Cycle, 2012, 11, 3472-3480.	1.3	32
61	Friend or food. Autophagy, 2012, 8, 995-996.	4.3	4
62	Identification of Autophagosome-associated Proteins and Regulators by Quantitative Proteomic Analysis and Genetic Screens. Molecular and Cellular Proteomics, 2012, 11, M111.014035.	2.5	118
63	Prognostic Impact of Vitamin B6 Metabolism in Lung Cancer. Cell Reports, 2012, 2, 257-269.	2.9	122
64	Prognostic Impact of Vitamin B6 Metabolism in Lung Cancer. Cell Reports, 2012, 2, 1472.	2.9	0
65	The metabolism beyond programmed cell death in yeast. Experimental Cell Research, 2012, 318, 1193-1200.	1.2	22
66	A yeast BH3-only protein mediates the mitochondrial pathway of apoptosis. EMBO Journal, 2011, 30, 2779-2792.	3.5	120
67	The Role of Mitochondria in the Aging Processes of Yeast. Sub-Cellular Biochemistry, 2011, 57, 55-78.	1.0	43
68	Programmed Necrosis. International Review of Cell and Molecular Biology, 2011, 289, 1-35.	1.6	132
69	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. Journal of Cell Biology, 2011, 192, 615-629.	2.3	439
70	Ceramide triggers metacaspase-independent mitochondrial cell death in yeast. Cell Cycle, 2011, 10, 3973-3978.	1.3	40
71	Longevity-relevant regulation of autophagy at the level of the acetylproteome. Autophagy, 2011, 7, 647-649.	4.3	34
72	Triacylglycerol Accumulation Activates the Mitochondrial Apoptosis Pathway in Macrophages. Journal of Biological Chemistry, 2011, 286, 7418-7428.	1.6	66

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73	Necrosis in yeast. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 257-268.	2.2	127
74	Spermidine: A novel autophagy inducer and longevity elixir. Autophagy, 2010, 6, 160-162.	4.3	147
75	Interdependent regulation of p53 and miR-34a in chronic lymphocytic leukemia. Cell Cycle, 2010, 9, 2836-2840.	1.3	116
76	Cell cycle control of cell death in yeast. Cell Cycle, 2010, 9, 4052-4051.	1.3	8
77	Fatty acids trigger mitochondrion-dependent necrosis. Cell Cycle, 2010, 9, 2908-2914.	1.3	71
78	The Warburg Effect Suppresses Oxidative Stress Induced Apoptosis in a Yeast Model for Cancer. PLoS ONE, 2009, 4, e4592.	1.1	96
79	Autophagy for the avoidance of neurodegeneration. Genes and Development, 2009, 23, 2253-2259.	2.7	91
80	Caspase-dependent and caspase-independent cell death pathways in yeast. Biochemical and Biophysical Research Communications, 2009, 382, 227-231.	1.0	132
81	Induction of autophagy by spermidine promotes longevity. Nature Cell Biology, 2009, 11, 1305-1314.	4.6	1,302
82	Loss of peroxisome function triggers necrosis. FEBS Letters, 2008, 582, 2882-2886.	1.3	52
83	Functional Mitochondria Are Required for Î±-Synuclein Toxicity in Aging Yeast. Journal of Biological Chemistry, 2008, 283, 7554-7560.	1.6	121
84	Depletion of Endonuclease G Selectively Kills Polyploid Cells. Cell Cycle, 2007, 6, 1072-1076.	1.3	29
85	Endonuclease G Regulates Budding Yeast Life and Death. Molecular Cell, 2007, 25, 233-246.	4.5	305
86	The mitochondrial pathway in yeast apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1011-1023.	2.2	194
87	Why yeast cells can undergo apoptosis: death in times of peace, love, and war. Journal of Cell Biology, 2006, 175, 521-525.	2.3	168
88	Crucial Mitochondrial Impairment upon CDC48 Mutation in Apoptotic Yeast. Journal of Biological Chemistry, 2006, 281, 25757-25767.	1.6	74
89	Yeast caspase 1 links messenger RNA stability to apoptosis in yeast. EMBO Reports, 2005, 6, 1076-1081.	2.0	94
90	Apoptosis in yeast. Current Opinion in Microbiology, 2004, 7, 655-660.	2.3	272

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91	Global Analysis of Protein Arginine Methylation. SSRN Electronic Journal, 0, , .	0.4	0