Sabrina BÃ¼ttner

List of Publications by Year
in descending order

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77	7,952	87888 38	71685 76
papers	citations	h-index	g-index

80	80	80	12063
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Induction of autophagy by spermidine promotes longevity. Nature Cell Biology, 2009, 11, 1305-1314.	10.3	1,302
2	Cardioprotection and lifespan extension by the natural polyamine spermidine. Nature Medicine, 2016, 22, 1428-1438.	30.7	801
3	ATGL-mediated fat catabolism regulates cardiac mitochondrial function via PPAR-Î± and PGC-1. Nature Medicine, 2011, 17, 1076-1085.	30.7	612
4	Chronological aging leads to apoptosis in yeast. Journal of Cell Biology, 2004, 164, 501-507.	5.2	502
5	An AIF orthologue regulates apoptosis in yeast. Journal of Cell Biology, 2004, 166, 969-974.	5.2	359
6	Endonuclease G Regulates Budding Yeast Life and Death. Molecular Cell, 2007, 25, 233-246.	9.7	305
7	Isolation of quiescent and nonquiescent cells from yeast stationary-phase cultures. Journal of Cell Biology, 2006, 174, 89-100.	5.2	280
8	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. Cell Metabolism, 2014, 19, 431-444.	16.2	221
9	The mitochondrial pathway in yeast apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1011-1023.	4.9	194
10	Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. PLoS Genetics, 2014, 10, e1004347.	3.5	192
11	Why yeast cells can undergo apoptosis: death in times of peace, love, and war. Journal of Cell Biology, 2006, 175, 521-525.	5.2	168
12	Guidelines and recommendations on yeast cell death nomenclature. Microbial Cell, 2018, 5, 4-31.	3.2	158
13	Spermidine: A novel autophagy inducer and longevity elixir. Autophagy, 2010, 6, 160-162.	9.1	147
14	Caspase-dependent and caspase-independent cell death pathways in yeast. Biochemical and Biophysical Research Communications, 2009, 382, 227-231.	2.1	132
15	Spermidine protects against Î±-synuclein neurotoxicity. Cell Cycle, 2014, 13, 3903-3908.	2.6	132
16	Necrosis in yeast. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 257-268.	4.9	127
17	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.	7.1	126
18	Functional Mitochondria Are Required for Î±-Synuclein Toxicity in Aging Yeast. Journal of Biological Chemistry, 2008, 283, 7554-7560.	3.4	121

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19	A yeast BH3-only protein mediates the mitochondrial pathway of apoptosis. EMBO Journal, 2011, 30, 2779-2792.	7.8	120
20	NO-mediated apoptosis in yeast. Journal of Cell Science, 2007, 120, 3279-3288.	2.0	114
21	The Warburg Effect Suppresses Oxidative Stress Induced Apoptosis in a Yeast Model for Cancer. PLoS ONE, 2009, 4, e4592.	2.5	96
22	Mitochondrial Translation Efficiency Controls Cytoplasmic Protein Homeostasis. Cell Metabolism, 2018, 27, 1309-1322.e6.	16.2	85
23	Neurotoxic 43-kDa TAR DNA-binding Protein (TDP-43) Triggers Mitochondrion-dependent Programmed Cell Death in Yeast. Journal of Biological Chemistry, 2011, 286, 19958-19972.	3.4	80
24	Crucial Mitochondrial Impairment upon CDC48 Mutation in Apoptotic Yeast. Journal of Biological Chemistry, 2006, 281, 25757-25767.	3.4	74
25	Fatty acids trigger mitochondrion-dependent necrosis. Cell Cycle, 2010, 9, 2908-2914.	2.6	71
26	Endonuclease G mediates Î±-synuclein cytotoxicity during Parkinson's disease. EMBO Journal, 2013, 32, 3041-3054.	7.8	71
27	Respiratory supercomplexes enhance electron transport by decreasing cytochrome c diffusion distance. EMBO Reports, 2020, 21, e51015.	4.5	71
28	Nervous yeast: modeling neurotoxic cell death. Trends in Biochemical Sciences, 2010, 35, 135-144.	7.5	69
29	Mitochondria orchestrate proteostatic and metabolic stress responses. EMBO Reports, 2019, 20, e47865.	4.5	69
30	Lipids and cell death in yeast. FEMS Yeast Research, 2014, 14, 179-197.	2.3	65
31	Mitochondrial lipids in neurodegeneration. Cell and Tissue Research, 2017, 367, 125-140.	2.9	62
32	An Early mtUPR: Redistribution of the Nuclear Transcription Factor Rox1 to Mitochondria Protects against Intramitochondrial Proteotoxic Aggregates. Molecular Cell, 2020, 77, 180-188.e9.	9.7	53
33	Loss of peroxisome function triggers necrosis. FEBS Letters, 2008, 582, 2882-2886.	2.8	52
34	Apitoxin and Its Components against Cancer, Neurodegeneration and Rheumatoid Arthritis: Limitations and Possibilities. Toxins, 2020, 12, 66.	3.4	48
35	TDP-43 controls lysosomal pathways thereby determining its own clearance and cytotoxicity. Human Molecular Genetics, 2018, 27, 1593-1607.	2.9	47
36	The Role of Mitochondria in the Aging Processes of Yeast. Sub-Cellular Biochemistry, 2011, 57, 55-78.	2.4	43

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37	Ceramide triggers metacaspase-independent mitochondrial cell death in yeast. Cell Cycle, 2011, 10, 3973-3978.	2.6	40
38	The basic machineries for mitochondrial protein quality control. Mitochondrion, 2020, 50, 121-131.	3.4	40
39	Caspase-dependent and -independent lipotoxic cell-death pathways in fission yeast. Journal of Cell Science, 2008, 121, 2671-2684.	2.0	39
40	Bee Venom Composition: From Chemistry to Biological Activity. Studies in Natural Products Chemistry, 2019, 60, 459-484.	1.8	36
41	Synphilin-1 Enhances Î±-Synuclein Aggregation in Yeast and Contributes to Cellular Stress and Cell Death in a Sir2-Dependent Manner. PLoS ONE, 2010, 5, e13700.	2.5	36
42	Acyl-CoA-binding protein (ACBP): a phylogenetically conserved appetite stimulator. Cell Death and Disease, 2020, 11, 7.	6.3	34
43	The vacuolar shapes of ageing: From function to morphology. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 957-970.	4.1	31
44	Taking out the garbage: cathepsin D and calcineurin in neurodegeneration. Neural Regeneration Research, 2017, 12, 1776.	3.0	30
45	Depletion of Endonuclease G Selectively Kills Polyploid Cells. Cell Cycle, 2007, 6, 1072-1076.	2.6	29
46	The many ways to age for a single yeast cell. Yeast, 2014, 31, 289-298.	1.7	29
47	Acetyl-CoA carboxylase 1â€“dependent lipogenesis promotes autophagy downstream of AMPK. Journal of Biological Chemistry, 2019, 294, 12020-12039.	3.4	29
48	Nuclear envelope budding is a response to cellular stress. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	28
49	Closing the Gap: Membrane Contact Sites in the Regulation of Autophagy. Cells, 2020, 9, 1184.	4.1	26
50	Aggresome formation and segregation of inclusions influence toxicity of Î±-synuclein and synphilin-1 in yeast. Biochemical Society Transactions, 2011, 39, 1476-1481.	3.4	23
51	The cell death protease Kex1p is essential for hypochlorite-induced apoptosis in yeast. Cell Cycle, 2013, 12, 1704-1712.	2.6	23
52	The Coordinated Action of Calcineurin and Cathepsin D Protects Against Î±-Synuclein Toxicity. Frontiers in Molecular Neuroscience, 2017, 10, 207.	2.9	22
53	Diacylglycerol triggers Rim101 pathwayâ€“dependent necrosis in yeast: a model for lipotoxicity. Cell Death and Differentiation, 2018, 25, 767-783.	11.2	22
54	Snd3 controls nucleus-vacuole junctions in response to glucose signaling. Cell Reports, 2021, 34, 108637.	6.4	22

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55	Targeting cellular senescence based on interorganelle communication, multilevel proteostasis, and metabolic control. FEBS Journal, 2021, 288, 3834-3854.	4.7	20
56	Increased mitochondrial protein import and cardiolipin remodelling upon early mtUPR. PLoS Genetics, 2021, 17, e1009664.	3.5	19
57	A histone point mutation that switches on autophagy. Autophagy, 2014, 10, 1143-1145.	9.1	18
58	Regulated Cell Death as a Therapeutic Target for Novel Antifungal Peptides and Biologics. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-20.	4.0	17
59	Phosphate Restriction Promotes Longevity via Activation of Autophagy and the Multivesicular Body Pathway. Cells, 2021, 10, 3161.	4.1	17
60	Bab2 Functions as an Ecdysone-Responsive Transcriptional Repressor during Drosophila Development. Cell Reports, 2020, 32, 107972.	6.4	15
61	Yeast Aging and Apoptosis. Sub-Cellular Biochemistry, 2011, 57, 207-232.	2.4	15
62	The Enzymatic Core of the Parkinsonâ€™s Disease-Associated Protein LRRK2 Impairs Mitochondrial Biogenesis in Aging Yeast. Frontiers in Molecular Neuroscience, 2018, 11, 205.	2.9	14
63	Conjugative type IV secretion in Gram-positive pathogens: TraG, a lytic transglycosylase and endopeptidase, interacts with translocation channel protein TraM. Plasmid, 2017, 91, 9-18.	1.4	13
64	Autophagy extends lifespan via vacuolar acidification. Microbial Cell, 2014, 1, 160-162.	3.2	13
65	Endolysosomal pathway activity protects cells from neurotoxic TDP-43. Microbial Cell, 2018, 5, 212-214.	3.2	13
66	TraN: A novel repressor of an Enterococcus conjugative type IV secretion system. Nucleic Acids Research, 2018, 46, 9201-9219.	14.5	11
67	A novel system to monitor mitochondrial translation in yeast. Microbial Cell, 2018, 5, 158-164.	3.2	11
68	Membrane-tethering of cytochrome c accelerates regulated cell death in yeast. Cell Death and Disease, 2020, 11, 722.	6.3	10
69	Mitochondrial energy metabolism is required for lifespan extension by the spastic paraplegia-associated protein spartin. Microbial Cell, 2017, 4, 411-422.	3.2	10
70	Stable and destabilized GFP reporters to monitor calcineurin activity in Saccharomyces cerevisiae. Microbial Cell, 2020, 7, 106-114.	3.2	10
71	Sterol Metabolism Differentially Contributes to Maintenance and Exit of Quiescence. Frontiers in Cell and Developmental Biology, 2022, 10, 788472.	3.7	5
72	Peroxisomal fission controls yeast life span. Cell Cycle, 2015, 14, 2389-2390.	2.6	2

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73	Remodelling of Nucleus-Vacuole Junctions During Metabolic and Proteostatic Stress. Contact (Thousand Oaks (Ventura County, Calif)), 2021, 4, 251525642110166.	1.3	2
74	Ca2+ administration prevents Î±-synuclein proteotoxicity by stimulating calcineurin-dependent lysosomal proteolysis. PLoS Genetics, 2021, 17, e1009911.	3.5	2
75	From Regulated Cell Death to Adaptive Stress Strategies: Convergence and Divergence in Eukaryotic Cells. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-2.	4.0	1
76	Editorial: Modeling Neurodegeneration in Yeast. Frontiers in Molecular Neuroscience, 2021, 14, 645190.	2.9	0
77	The mitochondrial network in Parkinson's disease. , 2020, , 123-138.		0