

Sabrina BÃ¼ttner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3729981/publications.pdf>

Version: 2024-02-01

77
papers

7,952
citations

87723

38
h-index

71532

76
g-index

80
all docs

80
docs citations

80
times ranked

12063
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of autophagy by spermidine promotes longevity. <i>Nature Cell Biology</i> , 2009, 11, 1305-1314.	4.6	1,302
2	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	15.2	801
3	ATGL-mediated fat catabolism regulates cardiac mitochondrial function via PPAR- α and PGC-1. <i>Nature Medicine</i> , 2011, 17, 1076-1085.	15.2	612
4	Chronological aging leads to apoptosis in yeast. <i>Journal of Cell Biology</i> , 2004, 164, 501-507.	2.3	502
5	An AIF orthologue regulates apoptosis in yeast. <i>Journal of Cell Biology</i> , 2004, 166, 969-974.	2.3	359
6	Endonuclease G Regulates Budding Yeast Life and Death. <i>Molecular Cell</i> , 2007, 25, 233-246.	4.5	305
7	Isolation of quiescent and nonquiescent cells from yeast stationary-phase cultures. <i>Journal of Cell Biology</i> , 2006, 174, 89-100.	2.3	280
8	Nucleocytoplasmic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	7.2	221
9	The mitochondrial pathway in yeast apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 1011-1023.	2.2	194
10	Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. <i>PLoS Genetics</i> , 2014, 10, e1004347.	1.5	192
11	Why yeast cells can undergo apoptosis: death in times of peace, love, and war. <i>Journal of Cell Biology</i> , 2006, 175, 521-525.	2.3	168
12	Guidelines and recommendations on yeast cell death nomenclature. <i>Microbial Cell</i> , 2018, 5, 4-31.	1.4	158
13	Spermidine: A novel autophagy inducer and longevity elixir. <i>Autophagy</i> , 2010, 6, 160-162.	4.3	147
14	Caspase-dependent and caspase-independent cell death pathways in yeast. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 227-231.	1.0	132
15	Spermidine protects against α -synuclein neurotoxicity. <i>Cell Cycle</i> , 2014, 13, 3903-3908.	1.3	132
16	Necrosis in yeast. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 257-268.	2.2	127
17	Yno1p/Aim14p, a NADPH-oxidase ortholog, controls extramitochondrial reactive oxygen species generation, apoptosis, and actin cable formation in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8658-8663.	3.3	126
18	Functional Mitochondria Are Required for α -Synuclein Toxicity in Aging Yeast. <i>Journal of Biological Chemistry</i> , 2008, 283, 7554-7560.	1.6	121

#	ARTICLE	IF	CITATIONS
19	A yeast BH3-only protein mediates the mitochondrial pathway of apoptosis. EMBO Journal, 2011, 30, 2779-2792.	3.5	120
20	NO-mediated apoptosis in yeast. Journal of Cell Science, 2007, 120, 3279-3288.	1.2	114
21	The Warburg Effect Suppresses Oxidative Stress Induced Apoptosis in a Yeast Model for Cancer. PLoS ONE, 2009, 4, e4592.	1.1	96
22	Mitochondrial Translation Efficiency Controls Cytoplasmic Protein Homeostasis. Cell Metabolism, 2018, 27, 1309-1322.e6.	7.2	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.	1.6	80
24	Crucial Mitochondrial Impairment upon CDC48 Mutation in Apoptotic Yeast. Journal of Biological Chemistry, 2006, 281, 25757-25767.	1.6	74
25	Fatty acids trigger mitochondrion-dependent necrosis. Cell Cycle, 2010, 9, 2908-2914.	1.3	71
26	Endonuclease G mediates α -synuclein cytotoxicity during Parkinson's disease. EMBO Journal, 2013, 32, 3041-3054.	3.5	71
27	Respiratory supercomplexes enhance electron transport by decreasing cytochrome <i>c</i> diffusion distance. EMBO Reports, 2020, 21, e51015.	2.0	71
28	Nervous yeast: modeling neurotoxic cell death. Trends in Biochemical Sciences, 2010, 35, 135-144.	3.7	69
29	Mitochondria orchestrate proteostatic and metabolic stress responses. EMBO Reports, 2019, 20, e47865.	2.0	69
30	Lipids and cell death in yeast. FEMS Yeast Research, 2014, 14, 179-197.	1.1	65
31	Mitochondrial lipids in neurodegeneration. Cell and Tissue Research, 2017, 367, 125-140.	1.5	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.	4.5	53
33	Loss of peroxisome function triggers necrosis. FEBS Letters, 2008, 582, 2882-2886.	1.3	52
34	Apitoxin and Its Components against Cancer, Neurodegeneration and Rheumatoid Arthritis: Limitations and Possibilities. Toxins, 2020, 12, 66.	1.5	48
35	TDP-43 controls lysosomal pathways thereby determining its own clearance and cytotoxicity. Human Molecular Genetics, 2018, 27, 1593-1607.	1.4	47
36	The Role of Mitochondria in the Aging Processes of Yeast. Sub-Cellular Biochemistry, 2011, 57, 55-78.	1.0	43

#	ARTICLE	IF	CITATIONS
37	Ceramide triggers metacaspase-independent mitochondrial cell death in yeast. <i>Cell Cycle</i> , 2011, 10, 3973-3978.	1.3	40
38	The basic machineries for mitochondrial protein quality control. <i>Mitochondrion</i> , 2020, 50, 121-131.	1.6	40
39	Caspase-dependent and -independent lipotoxic cell-death pathways in fission yeast. <i>Journal of Cell Science</i> , 2008, 121, 2671-2684.	1.2	39
40	Bee Venom Composition: From Chemistry to Biological Activity. <i>Studies in Natural Products Chemistry</i> , 2019, 60, 459-484.	0.8	36
41	Synphilin-1 Enhances α -Synuclein Aggregation in Yeast and Contributes to Cellular Stress and Cell Death in a Sir2-Dependent Manner. <i>PLoS ONE</i> , 2010, 5, e13700.	1.1	36
42	Acyl-CoA-binding protein (ACBP): a phylogenetically conserved appetite stimulator. <i>Cell Death and Disease</i> , 2020, 11, 7.	2.7	34
43	The vacuolar shapes of ageing: From function to morphology. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 957-970.	1.9	31
44	Taking out the garbage: cathepsin D and calcineurin in neurodegeneration. <i>Neural Regeneration Research</i> , 2017, 12, 1776.	1.6	30
45	Depletion of Endonuclease G Selectively Kills Polyploid Cells. <i>Cell Cycle</i> , 2007, 6, 1072-1076.	1.3	29
46	The many ways to age for a single yeast cell. <i>Yeast</i> , 2014, 31, 289-298.	0.8	29
47	Acetyl-CoA carboxylase 1 α -dependent lipogenesis promotes autophagy downstream of AMPK. <i>Journal of Biological Chemistry</i> , 2019, 294, 12020-12039.	1.6	29
48	Nuclear envelope budding is a response to cellular stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	28
49	Closing the Gap: Membrane Contact Sites in the Regulation of Autophagy. <i>Cells</i> , 2020, 9, 1184.	1.8	26
50	Aggresome formation and segregation of inclusions influence toxicity of α -synuclein and synphilin-1 in yeast. <i>Biochemical Society Transactions</i> , 2011, 39, 1476-1481.	1.6	23
51	The cell death protease Kex1p is essential for hypochlorite-induced apoptosis in yeast. <i>Cell Cycle</i> , 2013, 12, 1704-1712.	1.3	23
52	The Coordinated Action of Calcineurin and Cathepsin D Protects Against α -Synuclein Toxicity. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 207.	1.4	22
53	Diacylglycerol triggers Rim101 pathway α -dependent necrosis in yeast: a model for lipotoxicity. <i>Cell Death and Differentiation</i> , 2018, 25, 767-783.	5.0	22
54	Snd3 controls nucleus-vacuole junctions in response to glucose signaling. <i>Cell Reports</i> , 2021, 34, 108637.	2.9	22

#	ARTICLE	IF	CITATIONS
55	Targeting cellular senescence based on interorganelle communication, multilevel proteostasis, and metabolic control. <i>FEBS Journal</i> , 2021, 288, 3834-3854.	2.2	20
56	Increased mitochondrial protein import and cardiolipin remodelling upon early mtUPR. <i>PLoS Genetics</i> , 2021, 17, e1009664.	1.5	19
57	A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014, 10, 1143-1145.	4.3	18
58	Regulated Cell Death as a Therapeutic Target for Novel Antifungal Peptides and Biologics. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-20.	1.9	17
59	Phosphate Restriction Promotes Longevity via Activation of Autophagy and the Multivesicular Body Pathway. <i>Cells</i> , 2021, 10, 3161.	1.8	17
60	Bab2 Functions as an Ecdysone-Responsive Transcriptional Repressor during <i>Drosophila</i> Development. <i>Cell Reports</i> , 2020, 32, 107972.	2.9	15
61	Yeast Aging and Apoptosis. <i>Sub-Cellular Biochemistry</i> , 2011, 57, 207-232.	1.0	15
62	The Enzymatic Core of the Parkinson's Disease-Associated Protein LRRK2 Impairs Mitochondrial Biogenesis in Aging Yeast. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 205.	1.4	14
63	Conjugative type IV secretion in Gram-positive pathogens: TraG, a lytic transglycosylase and endopeptidase, interacts with translocation channel protein TraM. <i>Plasmid</i> , 2017, 91, 9-18.	0.4	13
64	Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , 2014, 1, 160-162.	1.4	13
65	Endolysosomal pathway activity protects cells from neurotoxic TDP-43. <i>Microbial Cell</i> , 2018, 5, 212-214.	1.4	13
66	TraN: A novel repressor of an <i>Enterococcus</i> conjugative type IV secretion system. <i>Nucleic Acids Research</i> , 2018, 46, 9201-9219.	6.5	11
67	A novel system to monitor mitochondrial translation in yeast. <i>Microbial Cell</i> , 2018, 5, 158-164.	1.4	11
68	Membrane-tethering of cytochrome c accelerates regulated cell death in yeast. <i>Cell Death and Disease</i> , 2020, 11, 722.	2.7	10
69	Mitochondrial energy metabolism is required for lifespan extension by the spastic paraplegia-associated protein spartin. <i>Microbial Cell</i> , 2017, 4, 411-422.	1.4	10
70	Stable and destabilized GFP reporters to monitor calcineurin activity in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell</i> , 2020, 7, 106-114.	1.4	10
71	Sterol Metabolism Differentially Contributes to Maintenance and Exit of Quiescence. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 788472.	1.8	5
72	Peroxisomal fission controls yeast life span. <i>Cell Cycle</i> , 2015, 14, 2389-2390.	1.3	2

#	ARTICLE	IF	CITATIONS
73	Remodelling of Nucleus-Vacuole Junctions During Metabolic and Proteostatic Stress. <i>Contact</i> (Thousand Oaks (Ventura County, Calif)), 2021, 4, 251525642110166.	0.4	2
74	Ca ²⁺ administration prevents α -synuclein proteotoxicity by stimulating calcineurin-dependent lysosomal proteolysis. <i>PLoS Genetics</i> , 2021, 17, e1009911.	1.5	2
75	From Regulated Cell Death to Adaptive Stress Strategies: Convergence and Divergence in Eukaryotic Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-2.	1.9	1
76	Editorial: Modeling Neurodegeneration in Yeast. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 645190.	1.4	0
77	The mitochondrial network in Parkinson's disease. , 2020, , 123-138.		0