

Christoph Ruckenstuhl

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

7,158
citations

172457

29
h-index

214800

47
g-index

49
all docs

49
docs citations

49
times ranked

12163
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	10,742
2	Induction of autophagy by spermidine promotes longevity. <i>Nature Cell Biology</i> , 2009, 11, 1305-1314.	10.3	1,302
3	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	30.7	801
4	Endogenous Hydrogen Sulfide Production Is Essential for Dietary Restriction Benefits. <i>Cell</i> , 2015, 160, 132-144.	28.9	449
5	An Immunosurveillance Mechanism Controls Cancer Cell Ploidy. <i>Science</i> , 2012, 337, 1678-1684.	12.6	367
6	Endonuclease G Regulates Budding Yeast Life and Death. <i>Molecular Cell</i> , 2007, 25, 233-246.	9.7	305
7	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	16.2	221
8	The crucial impact of lysosomes in aging and longevity. <i>Ageing Research Reviews</i> , 2016, 32, 2-12.	10.9	200
9	Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. <i>PLoS Genetics</i> , 2014, 10, e1004347.	3.5	192
10	Guidelines and recommendations on yeast cell death nomenclature. <i>Microbial Cell</i> , 2018, 5, 4-31.	3.2	158
11	Higher spermidine intake is linked to lower mortality: a prospective population-based study. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 371-380.	4.7	150
12	Spermidine: A novel autophagy inducer and longevity elixir. <i>Autophagy</i> , 2010, 6, 160-162.	9.1	147
13	p53 inhibits autophagy by interacting with the human ortholog of yeast Atg17, RB1CC1/FIP200. <i>Cell Cycle</i> , 2011, 10, 2763-2769.	2.6	131
14	Peptidoglycan degradation by specialized lytic transglycosylases associated with type III and type IV secretion systems. <i>Microbiology (United Kingdom)</i> , 2005, 151, 3455-3467.	1.8	107
15	The flavonoid 4,4-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019, 10, 651.	12.8	100
16	The Warburg Effect Suppresses Oxidative Stress Induced Apoptosis in a Yeast Model for Cancer. <i>PLoS ONE</i> , 2009, 4, e4592.	2.5	96
17	Immunogenic calreticulin exposure occurs through a phylogenetically conserved stress pathway involving the chemokine CXCL8. <i>Cell Death and Differentiation</i> , 2014, 21, 59-68.	11.2	83
18	Yeast apoptosis—From genes to pathways. <i>Seminars in Cancer Biology</i> , 2007, 17, 112-121.	9.6	76

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19	Endonuclease G mediates α -synuclein cytotoxicity during Parkinson's disease. <i>EMBO Journal</i> , 2013, 32, 3041-3054.	7.8	71
20	Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , 2017, 13, 767-769.	9.1	63
21	Molecular Mechanism of Terbinafine Resistance in <i>Saccharomyces cerevisiae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3890-3900.	3.2	62
22	Identification of evolutionarily conserved genetic regulators of cellular aging. <i>Aging Cell</i> , 2010, 9, 1084-1097.	6.7	57
23	The propeptide of yeast cathepsin D inhibits programmed necrosis. <i>Cell Death and Disease</i> , 2011, 2, e161-e161.	6.3	55
24	Methionine restriction slows down senescence in human diploid fibroblasts. <i>Aging Cell</i> , 2014, 13, 1038-1048.	6.7	47
25	Acetyl-coenzyme A. <i>Autophagy</i> , 2014, 10, 1335-1337.	9.1	42
26	Ceramide triggers metacaspase-independent mitochondrial cell death in yeast. <i>Cell Cycle</i> , 2011, 10, 3973-3978.	2.6	40
27	Characterization of Squalene Epoxidase of <i>Saccharomyces cerevisiae</i> by Applying Terbinafine-Sensitive Variants. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 275-284.	3.2	36
28	Cell death in yeast: growing applications of a dying buddy. <i>Cell Death and Differentiation</i> , 2010, 17, 733-734.	11.2	36
29	Acyl-CoA-binding protein (ACBP): a phylogenetically conserved appetite stimulator. <i>Cell Death and Disease</i> , 2020, 11, 7.	6.3	34
30	Vacuolar functions determine the mode of cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 540-545.	4.1	30
31	Characterizing Sterol Defect Suppressors Uncovers a Novel Transcriptional Signaling Pathway Regulating Zymosterol Biosynthesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 35904-35913.	3.4	29
32	Spermidine promotes mating and fertilization efficiency in model organisms. <i>Cell Cycle</i> , 2013, 12, 346-352.	2.6	29
33	Acetyl-CoA carboxylase α -dependent lipogenesis promotes autophagy downstream of AMPK. <i>Journal of Biological Chemistry</i> , 2019, 294, 12020-12039.	3.4	29
34	The cell death protease Kex1p is essential for hypochlorite-induced apoptosis in yeast. <i>Cell Cycle</i> , 2013, 12, 1704-1712.	2.6	23
35	The sweet taste of death: glucose triggers apoptosis during yeast chronological aging. <i>Aging</i> , 2010, 2, 643-649.	3.1	23
36	The metabolism beyond programmed cell death in yeast. <i>Experimental Cell Research</i> , 2012, 318, 1193-1200.	2.6	22

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37	Methods to Assess Autophagy and Chronological Aging in Yeast. <i>Methods in Enzymology</i> , 2017, 588, 367-394.	1.0	20
38	Single amino acid exchanges in FAD-binding domains of squalene epoxidase of <i>Saccharomyces cerevisiae</i> lead to either loss of functionality or terbinafine sensitivity. <i>Biochemical Society Transactions</i> , 2005, 33, 1197-1201.	3.4	17
39	The yeast metacaspase is implicated in oxidative stress response in frataxin-deficient cells. <i>FEBS Letters</i> , 2012, 586, 143-148.	2.8	16
40	Metabolites in aging and autophagy. <i>Microbial Cell</i> , 2014, 1, 110-114.	3.2	15
41	Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , 2014, 1, 160-162.	3.2	13
42	The neuroprotective steroid progesterone promotes mitochondrial uncoupling, reduces cytosolic calcium and augments stress resistance in yeast cells. <i>Microbial Cell</i> , 2017, 4, 191-199.	3.2	10
43	4,4'-Dimethoxychalcone: a natural flavonoid that promotes health through autophagy-dependent and -independent effects. <i>Autophagy</i> , 2019, 15, 1662-1664.	9.1	8
44	Structure-Function Correlations of Two Highly Conserved Motifs in <i>Saccharomyces cerevisiae</i> Squalene Epoxidase. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1496-1499.	3.2	6
45	Targeting GATA transcription factors – a novel strategy for anti-aging interventions?. <i>Microbial Cell</i> , 2019, 6, 212-216.	3.2	6
46	A hundred spotlights on microbiology: how microorganisms shape our lives. <i>Microbial Cell</i> , 2022, 9, 72-79.	3.2	2
47	Murals meet microbes: at the crossroads of microbiology and cultural heritage. <i>Microbial Cell</i> , 2021, 8, 276-279.	3.2	1
48	Cell Stress – a new journal for cellular pathophysiology. <i>Cell Stress</i> , 2017, 1, 1-3.	3.2	0