Frank Madeo

List of Publications by Year
in descending order

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265 papers	51,884 citations	2802 94 h-index	1461 220 g-index
272 all docs	272 docs citations	272 times ranked	59000 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
3	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
4	Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012. Cell Death and Differentiation, 2012, 19, 107-120.	11.2	2,144
5	Induction of autophagy by spermidine promotes longevity. Nature Cell Biology, 2009, 11, 1305-1314.	10.3	1,302
6	Molecular definitions of autophagy and related processes. EMBO Journal, 2017, 36, 1811-1836.	7.8	1,230
7	Regulation of autophagy by cytoplasmic p53. Nature Cell Biology, 2008, 10, 676-687.	10.3	1,025
8	Oxygen Stress: A Regulator of Apoptosis in Yeast. Journal of Cell Biology, 1999, 145, 757-767.	5.2	963
9	Acetyl Coenzyme A: A Central Metabolite and Second Messenger. Cell Metabolism, 2015, 21, 805-821.	16.2	963
10	FAT SIGNALS - Lipases and Lipolysis in Lipid Metabolism and Signaling. Cell Metabolism, 2012, 15, 279-291.	16.2	852
11	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Cell Death and Differentiation, 2015, 22, 58-73.	11.2	811
12	A Caspase-Related Protease Regulates Apoptosis in Yeast. Molecular Cell, 2002, 9, 911-917.	9.7	801
13	Cardioprotection and lifespan extension by the natural polyamine spermidine. Nature Medicine, 2016, 22, 1428-1438.	30.7	801
14	A Yeast Mutant Showing Diagnostic Markers of Early and Late Apoptosis. Journal of Cell Biology, 1997, 139, 729-734.	5.2	740
15	Consensus guidelines for the detection of immunogenic cell death. OncoImmunology, 2014, 3, e955691.	4.6	686
16	Mechanisms of pre-apoptotic calreticulin exposure in immunogenic cell death. EMBO Journal, 2009, 28, 578-590.	7.8	683
17	Spermidine in health and disease. Science, 2018, 359, .	12.6	616
18	Autophagy in major human diseases. EMBO Journal, 2021, 40, e108863.	7.8	615

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19	ATGL-mediated fat catabolism regulates cardiac mitochondrial function via PPAR-Î± and PGC-1. Nature Medicine, 2011, 17, 1076-1085.	30.7	612
20	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. Cell Death and Differentiation, 2009, 16, 1093-1107.	11.2	599
21	Metabolic Control of Longevity. Cell, 2016, 166, 802-821.	28.9	591
22	AIF deficiency compromises oxidative phosphorylation. EMBO Journal, 2004, 23, 4679-4689.	7.8	576
23	Caloric restriction and resveratrol promote longevity through the Sirtuin-1-dependent induction of autophagy. Cell Death and Disease, 2010, 1, e10-e10.	6.3	518
24	Chronological aging leads to apoptosis in yeast. Journal of Cell Biology, 2004, 164, 501-507.	5.2	502
25	Interventions to Slow Aging in Humans: Are We Ready?. Aging Cell, 2015, 14, 497-510.	6.7	481
26	Endogenous Hydrogen Sulfide Production Is Essential for Dietary Restriction Benefits. Cell, 2015, 160, 132-144.	28.9	449
27	Apoptosis in yeast: triggers, pathways, subroutines. Cell Death and Differentiation, 2010, 17, 763-773.	11.2	443
28	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. Journal of Cell Biology, 2011, 192, 615-629.	5.2	439
29	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. Molecular Cell, 2014, 53, 710-725.	9.7	412
30	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. Cancer Cell, 2016, 30, 147-160.	16.8	410
31	Can autophagy promote longevity?. Nature Cell Biology, 2010, 12, 842-846.	10.3	394
32	Caloric Restriction Mimetics against Age-Associated Disease: Targets, Mechanisms, and Therapeutic Potential. Cell Metabolism, 2019, 29, 592-610.	16.2	394
33	Aged mother cells of Saccharomyces cerevisiae show markers of oxidative stress and apoptosis. Molecular Microbiology, 2004, 39, 1166-1173.	2.5	377
34	Polyamines in aging and disease. Aging, 2011, 3, 716-732.	3.1	376
35	Essential role for autophagy in life span extension. Journal of Clinical Investigation, 2015, 125, 85-93.	8.2	369
36	An Immunosurveillance Mechanism Controls Cancer Cell Ploidy. Science, 2012, 337, 1678-1684.	12.6	367

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37	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. Cell Metabolism, 2016, 23, 1093-1112.	16.2	360
38	An AIF orthologue regulates apoptosis in yeast. Journal of Cell Biology, 2004, 166, 969-974.	5.2	359
39	Cytosolic lipolysis and lipophagy: two sides of the same coin. Nature Reviews Molecular Cell Biology, 2017, 18, 671-684.	37.0	348
40	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. Frontiers in Immunology, 2015, 6, 588.	4.8	317
41	Endonuclease G Regulates Budding Yeast Life and Death. Molecular Cell, 2007, 25, 233-246.	9.7	305
42	The Search for Antiaging Interventions: From Elixirs to Fasting Regimens. Cell, 2014, 157, 1515-1526.	28.9	302
43	The co-translocation of ERp57 and calreticulin determines the immunogenicity of cell death. Cell Death and Differentiation, 2008, 15, 1499-1509.	11.2	298
44	Apoptosis-inducing factor: vital and lethal. Trends in Cell Biology, 2006, 16, 264-272.	7.9	291
45	Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner. Nature Neuroscience, 2013, 16, 1453-1460.	14.8	283
46	Isolation of quiescent and nonquiescent cells from yeast stationary-phase cultures. Journal of Cell Biology, 2006, 174, 89-100.	5.2	280
47	A Stress-Responsive System for Mitochondrial Protein Degradation. Molecular Cell, 2010, 40, 465-480.	9.7	275
48	Apoptosis in yeast. Current Opinion in Microbiology, 2004, 7, 655-660.	5.1	272
49	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. Cell Metabolism, 2019, 30, 462-476.e6.	16.2	256
50	IPO: a tool for automated optimization of XCMS parameters. BMC Bioinformatics, 2015, 16, 118.	2.6	249
51	Spermidine induces autophagy by inhibiting the acetyltransferase EP300. Cell Death and Differentiation, 2015, 22, 509-516.	11.2	237
52	No death without life: vital functions of apoptotic effectors. Cell Death and Differentiation, 2008, 15, 1113-1123.	11.2	221
53	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. Cell Metabolism, 2014, 19, 431-444.	16.2	221
54	Caloric restriction mimetics: towards a molecular definition. Nature Reviews Drug Discovery, 2014, 13, 727-740.	46.4	200

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55	The crucial impact of lysosomes in aging and longevity. Ageing Research Reviews, 2016, 32, 2-12.	10.9	200
56	The mitochondrial pathway in yeast apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1011-1023.	4.9	194
57	Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. PLoS Genetics, 2014, 10, e1004347.	3.5	192
58	Microbial wars: competition in ecological niches and within the microbiome. Microbial Cell, 2018, 5, 215-219.	3.2	189
59	Phosphatidylethanolamine positively regulates autophagy and longevity. Cell Death and Differentiation, 2015, 22, 499-508.	11.2	184
60	Apoptosis in yeast - a monocellular organism exhibits altruistic behaviour. FEBS Letters, 2000, 473, 6-9.	2.8	182
61	Autophagy for tissue homeostasis and neuroprotection. Current Opinion in Cell Biology, 2011, 23, 198-206.	5.4	182
62	Mammalian Bax triggers apoptotic changes in yeast. FEBS Letters, 1998, 438, 61-65.	2.8	180
63	Glutamate receptor dynamics organizing synapse formation in vivo. Nature Neuroscience, 2005, 8, 898-905.	14.8	180
64	Autophagy mediates pharmacological lifespan extension by spermidineand resveratrol. Aging, 2009, 1, 961-970.	3.1	180
65	Amyloid-Î² Peptide Induces Mitochondrial Dysfunction by Inhibition of Preprotein Maturation. Cell Metabolism, 2014, 20, 662-669.	16.2	176
66	Autophagy in Cardiovascular Aging. Circulation Research, 2018, 123, 803-824.	4.5	171
67	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
68	Fungal infections in humans: the silent crisis. Microbial Cell, 2020, 7, 143-145.	3.2	168
69	Apoptosis in yeast: a new model system with applications in cell biology and medicine. Current Genetics, 2002, 41, 208-216.	1.7	164
70	Guidelines and recommendations on yeast cell death nomenclature. Microbial Cell, 2018, 5, 4-31.	3.2	158
71	Higher spermidine intake is linked to lower mortality: a prospective population-based study. American Journal of Clinical Nutrition, 2018, 108, 371-380.	4.7	150
72	Spermidine: A novel autophagy inducer and longevity elixir. Autophagy, 2010, 6, 160-162.	9.1	147

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73	Unsaturated fatty acids induce nonâ€canonical autophagy. EMBO Journal, 2015, 34, 1025-1041.	7.8	147
74	Viral killer toxins induce caspase-mediated apoptosis in yeast. Journal of Cell Biology, 2005, 168, 353-358.	5.2	142
75	Caspase-dependent and caspase-independent cell death pathways in yeast. Biochemical and Biophysical Research Communications, 2009, 382, 227-231.	2.1	132
76	Programmed Necrosis. International Review of Cell and Molecular Biology, 2011, 289, 1-35.	3.2	132
77	Spermidine protects against Î±-synuclein neurotoxicity. Cell Cycle, 2014, 13, 3903-3908.	2.6	132
78	p53 inhibits autophagy by interacting with the human ortholog of yeast Atg17, RB1CC1/FIP200. Cell Cycle, 2011, 10, 2763-2769.	2.6	131
79	Necrosis in yeast. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 257-268.	4.9	127
80	The life span-prolonging effect of Sirtuin-1 is mediated by autophagy. Autophagy, 2010, 6, 186-188.	9.1	127
81	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
82	The inhibitor-of-apoptosis protein Bir1p protects against apoptosis in S. cerevisiae and is a substrate for the yeast homologue of Omi/HtrA2. Journal of Cell Science, 2006, 119, 1843-1851.	2.0	124
83	Prognostic Impact of Vitamin B6 Metabolism in Lung Cancer. Cell Reports, 2012, 2, 257-269.	6.4	122
84	Tyrosine Phosphorylation Regulates Cell Cycle-dependent Nuclear Localization of Cdc48p. Molecular Biology of the Cell, 1998, 9, 131-141.	2.1	121
85	Functional Mitochondria Are Required for Î±-Synuclein Toxicity in Aging Yeast. Journal of Biological Chemistry, 2008, 283, 7554-7560.	3.4	121
86	A yeast BH3-only protein mediates the mitochondrial pathway of apoptosis. EMBO Journal, 2011, 30, 2779-2792.	7.8	120
87	Inhibition of Autophagy Rescues Palmitic Acid-induced Necroptosis of Endothelial Cells. Journal of Biological Chemistry, 2012, 287, 21110-21120.	3.4	118
88	Identification of Autophagosome-associated Proteins and Regulators by Quantitative Proteomic Analysis and Genetic Screens. Molecular and Cellular Proteomics, 2012, 11, M111.014035.	3.8	118
89	Interdependent regulation of p53 and miR-34a in chronic lymphocytic leukemia. Cell Cycle, 2010, 9, 2836-2840.	2.6	116
90	NO-mediated apoptosis in yeast. Journal of Cell Science, 2007, 120, 3279-3288.	2.0	114

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91	The antifungal plant defensin RsAFP2 from radish induces apoptosis in a metacaspase independent way in Candida albicans. FEBS Letters, 2009, 583, 2513-2516.	2.8	113
92	Nicotinamide for the treatment of heart failure with preserved ejection fraction. Science Translational Medicine, 2021, 13, .	12.4	109
93	Spermidine: a physiological autophagy inducer acting as an anti-aging vitamin in humans?. Autophagy, 2019, 15, 165-168.	9.1	108
94	Defects in N-glycosylation induce apoptosis in yeast. Molecular Microbiology, 2006, 59, 765-778.	2.5	103
95	Safety and tolerability of spermidine supplementation in mice and older adults with subjective cognitive decline. Aging, 2018, 10, 19-33.	3.1	101
96	The flavonoid 4,4â€²-dimethoxychalcone promotes autophagy-dependent longevity across species. Nature Communications, 2019, 10, 651.	12.8	100
97	Aspirin Recapitulates Features of Caloric Restriction. Cell Reports, 2018, 22, 2395-2407.	6.4	98
98	The effect of spermidine on memory performance in older adults at risk for dementia: A randomized controlled trial. Cortex, 2018, 109, 181-188.	2.4	98
99	Dietary spermidine improves cognitive function. Cell Reports, 2021, 35, 108985.	6.4	98
100	The Warburg Effect Suppresses Oxidative Stress Induced Apoptosis in a Yeast Model for Cancer. PLoS ONE, 2009, 4, e4592.	2.5	96
101	MMI1 (YKL056c, TMA19), the yeast orthologue of the translationally controlled tumor protein (TCTP) has apoptotic functions and interacts with both microtubules and mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 631-638.	1.0	95
102	Yeast caspase 1 links messenger RNA stability to apoptosis in yeast. EMBO Reports, 2005, 6, 1076-1081.	4.5	94
103	Autophagy for the avoidance of neurodegeneration. Genes and Development, 2009, 23, 2253-2259.	5.9	91
104	Caloric restriction mimetics: natural/physiological pharmacological autophagy inducers. Autophagy, 2014, 10, 1879-1882.	9.1	91
105	The Antifungal Plant Defensin HsAFP1 from Heuchera Sanguinea Induces Apoptosis in Candida Albicans. Frontiers in Microbiology, 2011, 2, 47.	3.5	83
106	Spermidine promotes stress resistance in Drosophila melanogaster through autophagy-dependent and -independent pathways. Cell Death and Disease, 2012, 3, e401-e401.	6.3	83
107	Immunogenic calreticulin exposure occurs through a phylogenetically conserved stress pathway involving the chemokine CXCL8. Cell Death and Differentiation, 2014, 21, 59-68.	11.2	83
108	Yeast protein expression profile during acetic acidâ€induced apoptosis indicates causal involvement of the TOR pathway. Proteomics, 2009, 9, 720-732.	2.2	82

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109	Spermidine Suppresses Age-Associated Memory Impairment by Preventing Adverse Increase of Presynaptic Active Zone Size and Release. PLoS Biology, 2016, 14, e1002563.	5.6	82
110	Carbotoxicityâ€"Noxious Effects of Carbohydrates. Cell, 2018, 175, 605-614.	28.9	82
111	Prostaglandin D2 induces programmed cell death in Trypanosoma brucei bloodstream form. Cell Death and Differentiation, 2005, 12, 335-346.	11.2	81
112	The mitochondrial ribosomal protein of the large subunit, Afo1p, determines cellular longevity through mitochondrial back-signaling via TOR1. Aging, 2009, 1, 622-636.	3.1	81
113	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
114	Yeast Lacking theSRO7/SOP1-encoded Tumor Suppressor Homologue Show Increased Susceptibility to Apoptosis-like Cell Death on Exposure to NaCl Stress. Molecular Biology of the Cell, 2004, 15, 1436-1444.	2.1	78
115	Metacaspases are caspases. Doubt no more. Cell Death and Differentiation, 2010, 17, 377-378.	11.2	77
116	Apoptotic death of ageing yeast. Experimental Gerontology, 2008, 43, 876-881.	2.8	76
117	The Ca2+/Mn2+ ion-pump PMR1 links elevation of cytosolic Ca2+ levels to Î±-synuclein toxicity in Parkinsonâ€™s disease models. Cell Death and Differentiation, 2013, 20, 465-477.	11.2	76
118	The ups and downs of caloric restriction and fasting: from molecular effects to clinical application. EMBO Molecular Medicine, 2022, 14, e14418.	6.9	76
119	Metabolic effects of fasting on human and mouse blood in vivo. Autophagy, 2017, 13, 567-578.	9.1	75
120	Oral administration of Akkermansia muciniphila elevates systemic antiaging and anticancer metabolites. Aging, 2021, 13, 6375-6405.	3.1	75
121	A Truncated Form of KlLsm4p and the Absence of Factors Involved in mRNA Decapping Trigger Apoptosis in Yeast. Molecular Biology of the Cell, 2003, 14, 721-729.	2.1	74
122	Crucial Mitochondrial Impairment upon CDC48 Mutation in Apoptotic Yeast. Journal of Biological Chemistry, 2006, 281, 25757-25767.	3.4	74
123	Yeast as a tool to identify anti-aging compounds. FEMS Yeast Research, 2018, 18, .	2.3	74
124	Effects of spermidine supplementation on cognition and biomarkers in older adults with subjective cognitive decline (SmartAge)â€"study protocol for a randomized controlled trial. Alzheimer's Research and Therapy, 2019, 11, 36.	6.2	74
125	The Proteasomal Substrate Stm1 Participates in Apoptosis-like Cell Death in Yeast. Molecular Biology of the Cell, 2001, 12, 2422-2432.	2.1	73
126	Fatty acids trigger mitochondrion-dependent necrosis. Cell Cycle, 2010, 9, 2908-2914.	2.6	71

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127	Endonuclease G mediates Î±-synuclein cytotoxicity during Parkinson's disease. EMBO Journal, 2013, 32, 3041-3054.	7.8	71
128	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. Molecular Cell, 2020, 77, 927-929.	9.7	71
129	Nervous yeast: modeling neurotoxic cell death. Trends in Biochemical Sciences, 2010, 35, 135-144.	7.5	69
130	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. Cell Metabolism, 2019, 30, 754-767.e9.	16.2	67
131	Triacylglycerol Accumulation Activates the Mitochondrial Apoptosis Pathway in Macrophages. Journal of Biological Chemistry, 2011, 286, 7418-7428.	3.4	66
132	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.	3.7	65
133	Mitochondrial dysfunction leads to reduced chronological lifespan and increased apoptosis in yeast. FEBS Letters, 2009, 583, 113-117.	2.8	63
134	Dietary spermidine for lowering high blood pressure. Autophagy, 2017, 13, 767-769.	9.1	63
135	Spermidine-triggered autophagy ameliorates memory during aging. Autophagy, 2014, 10, 178-179.	9.1	62
136	Spermidine delays aging in humans. Aging, 2018, 10, 2209-2211.	3.1	62
137	Viral subversion of immunogenic cell death. Cell Cycle, 2009, 8, 860-869.	2.6	60
138	Digesting the crisis: autophagy and coronaviruses. Microbial Cell, 2020, 7, 119-128.	3.2	59
139	Identification of evolutionarily conserved genetic regulators of cellular aging. Aging Cell, 2010, 9, 1084-1097.	6.7	57
140	Differential Analysis of Saccharomyces cerevisiae Mitochondria by Free Flow Electrophoresis. Molecular and Cellular Proteomics, 2006, 5, 2185-2200.	3.8	56
141	Ydc1p ceramidase triggers organelle fragmentation, apoptosis and accelerated ageing in yeast. Cellular and Molecular Life Sciences, 2008, 65, 1933-1942.	5.4	56
142	eIF5A hypusination, boosted by dietary spermidine, protects from premature brain aging and mitochondrial dysfunction. Cell Reports, 2021, 35, 108941.	6.4	56
143	A comparison of the aging and apoptotic transcriptome of. FEMS Yeast Research, 2005, 5, 1261-1272.	2.3	55
144	Absence of the peroxiredoxin Pmp20 causes peroxisomal protein leakage and necrotic cell death. Free Radical Biology and Medicine, 2008, 45, 1115-1124.	2.9	55

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145	The propeptide of yeast cathepsin D inhibits programmed necrosis. Cell Death and Disease, 2011, 2, e161-e161.	6.3	55
146	C16 ceramide is crucial for triacylglycerol-induced apoptosis in macrophages. Cell Death and Disease, 2012, 3, e280-e280.	6.3	55
147	Nutritional Aspects of Spermidine. Annual Review of Nutrition, 2020, 40, 135-159.	10.1	55
148	A Glutamate Receptor-Interacting Protein homolog organizes muscle guidance in Drosophila. Genes and Development, 2004, 18, 223-237.	5.9	53
149	Spermidine boosts autophagy to protect from synapse aging. Autophagy, 2017, 13, 444-445.	9.1	53
150	Autophagy within the mushroom body protects from synapse aging in a non-cell autonomous manner. Nature Communications, 2019, 10, 1318.	12.8	53
151	Loss of peroxisome function triggers necrosis. FEBS Letters, 2008, 582, 2882-2886.	2.8	52
152	14-3-3 Protects against stress-induced apoptosis. Cell Death and Disease, 2012, 3, e348-e348.	6.3	52
153	Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. Cell Reports, 2015, 10, 1557-1571.	6.4	52
154	Caloric Restriction Mimetics in Nutrition and Clinical Trials. Frontiers in Nutrition, 2021, 8, 717343.	3.7	52
155	Autophagy induction for the treatment of cancer. Autophagy, 2016, 12, 1962-1964.	9.1	50
156	Coffee induces autophagy in vivo. Cell Cycle, 2014, 13, 1987-1994.	2.6	49
157	Apoptosis in yeast: a new model for aging research. Experimental Gerontology, 2001, 37, 27-31.	2.8	47
158	Physical interaction of apoptosis-inducing factor with DNA and RNA. Oncogene, 2006, 25, 1763-1774.	5.9	47
159	Methionine restriction slows down senescence in human diploid fibroblasts. Aging Cell, 2014, 13, 1038-1048.	6.7	47
160	Dimethyl Î±-ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. Autophagy, 2014, 10, 930-932.	9.1	45
161	3,4â€Dimethoxychalcone induces autophagy through activation of the transcription factors <scp>TFE</scp> 3 and <scp>TFEB</scp>. EMBO Molecular Medicine, 2019, 11, e10469.	6.9	45
162	Another way to get rid of fat. Nature, 2009, 458, 1118-1119.	27.8	44

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163	The Role of Mitochondria in the Aging Processes of Yeast. Sub-Cellular Biochemistry, 2011, 57, 55-78.	2.4	43
164	The metabolomic signature of extreme longevity: naked mole rats versus mice. Aging, 2019, 11, 4783-4800.	3.1	43
165	Acetyl-coenzyme A. Autophagy, 2014, 10, 1335-1337.	9.1	42
166	Ceramide triggers metacaspase-independent mitochondrial cell death in yeast. Cell Cycle, 2011, 10, 3973-3978.	2.6	40
167	IGF1 receptor inhibition amplifies the effects of cancer drugs by autophagy and immune-dependent mechanisms. , 2021, 9, e002722.		40
168	Caspase-dependent and -independent lipotoxic cell-death pathways in fission yeast. Journal of Cell Science, 2008, 121, 2671-2684.	2.0	39
169	The NADH Dehydrogenase Nde1 Executes Cell Death after Integrating Signals from Metabolism and Proteostasis on the Mitochondrial Surface. Molecular Cell, 2020, 77, 189-202.e6.	9.7	39
170	Sip18 hydrophilin prevents yeast cell death during desiccation stress. Journal of Applied Microbiology, 2012, 112, 512-525.	3.1	38
171	Magnetomitotransfer: An efficient way for direct mitochondria transfer into cultured human cells. Scientific Reports, 2016, 6, 35571.	3.3	38
172	When less is more: hormesis against stress and disease. Microbial Cell, 2014, 1, 150-153.	3.2	37
173	Cell death in yeast: growing applications of a dying buddy. Cell Death and Differentiation, 2010, 17, 733-734.	11.2	36
174	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
175	Intricate Links between ER Stress and Apoptosis. Molecular Cell, 2009, 33, 669-670.	9.7	35
176	Autophagy in cardiovascular health and disease. Progress in Molecular Biology and Translational Science, 2020, 172, 87-106.	1.7	35
177	Spermidine-induced hypusination preserves mitochondrial and cognitive function during aging. Autophagy, 2021, 17, 2037-2039.	9.1	35
178	Longevity-relevant regulation of autophagy at the level of the acetylproteome. Autophagy, 2011, 7, 647-649.	9.1	34
179	Acyl-CoA-binding protein (ACBP): a phylogenetically conserved appetite stimulator. Cell Death and Disease, 2020, 11, 7.	6.3	34
180	Resveratrol induces antioxidant defence via transcription factor Yap1p. Yeast, 2012, 29, 251-263.	1.7	33

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181	Spermidine protects from age-related synaptic alterations at hippocampal mossy fiber-CA3 synapses. Scientific Reports, 2019, 9, 19616.	3.3	33
182	Independent transcriptional reprogramming and apoptosis induction by cisplatin. Cell Cycle, 2012, 11, 3472-3480.	2.6	32
183	Trans-Fats Inhibit Autophagy Induced by Saturated Fatty Acids. EBioMedicine, 2018, 30, 261-272.	6.1	31
184	Spermidine reduces cancer-related mortality in humans. Autophagy, 2019, 15, 362-365.	9.1	31
185	Î±-Ketoglutarate inhibits autophagy. Aging, 2019, 11, 3418-3431.	3.1	30
186	Depletion of Endonuclease G Selectively Kills Polyploid Cells. Cell Cycle, 2007, 6, 1072-1076.	2.6	29
187	Ageing and eating. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 499-506.	4.1	29
188	Spermidine promotes mating and fertilization efficiency in model organisms. Cell Cycle, 2013, 12, 346-352.	2.6	29
189	Fine-Tuning Cardiac Insulin-Like Growth Factor 1 Receptor Signaling to Promote Health and Longevity. Circulation, 2022, 145, 1853-1866.	1.6	29
190	Metabolomic analyses reveal that anti-aging metabolites are depleted by palmitate but increased by oleate in vivo. Cell Cycle, 2015, 14, 2399-2407.	2.6	27
191	Astaxanthin exerts protective effects similar to bexarotene in Alzheimer's disease by modulating amyloid-beta and cholesterol homeostasis in blood-brain barrier endothelial cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2224-2245.	3.8	26
192	Phylogenetic conservation of the preapoptotic calreticulin exposure pathway from yeast to mammals. Cell Cycle, 2009, 8, 639-642.	2.6	23
193	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
194	The cell death protease Kex1p is essential for hypochlorite-induced apoptosis in yeast. Cell Cycle, 2013, 12, 1704-1712.	2.6	23
195	Studying Huntingtonâ€™s Disease in Yeast: From Mechanisms to Pharmacological Approaches. Frontiers in Molecular Neuroscience, 2018, 11, 318.	2.9	23
196	The sweet taste of death: glucose triggers apoptosis during yeast chronological aging. Aging, 2010, 2, 643-649.	3.1	23
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