

# Frank Madeo

## List of Publications by Year in descending order

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Version: 2024-02-01

265  
papers

51,884  
citations

3264

94  
h-index

1680

220  
g-index

272  
all docs

272  
docs citations

272  
times ranked

63929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spermidine supplementation influences mitochondrial number and morphology in the heart of aged mice. <i>Journal of Anatomy</i> , 2023, 242, 91-101.	0.9	16
2	The ups and downs of caloric restriction and fasting: from molecular effects to clinical application. <i>EMBO Molecular Medicine</i> , 2022, 14, e14418.	3.3	76
3	The effect of spermidine on autoimmunity and beta cell function in NOD mice. <i>Scientific Reports</i> , 2022, 12, 4502.	1.6	9
4	The HSP40 chaperone Ydj1 drives amyloid beta 42 toxicity. <i>EMBO Molecular Medicine</i> , 2022, 14, e13952.	3.3	16
5	A hundred spotlights on microbiology: how microorganisms shape our lives. <i>Microbial Cell</i> , 2022, 9, 72-79.	1.4	2
6	Effects of Spermidine Supplementation on Cognition and Biomarkers in Older Adults With Subjective Cognitive Decline. <i>JAMA Network Open</i> , 2022, 5, e2213875.	2.8	17
7	Fine-Tuning Cardiac Insulin-Like Growth Factor 1 Receptor Signaling to Promote Health and Longevity. <i>Circulation</i> , 2022, 145, 1853-1866.	1.6	29
8	Correction: Effects of spermidine supplementation on cognition and biomarkers in older adults with subjective cognitive decline (SmartAge)â€™ study protocol for a randomized controlled trial. <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	1
9	Assessing autophagic flux in yeast. <i>Methods in Cell Biology</i> , 2021, 164, 73-94.	0.5	1
10	Nicotinamide for the treatment of heart failure with preserved ejection fraction. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	109
11	Oral administration of <i>Akkermansia muciniphila</i> elevates systemic antiaging and anticancer metabolites. <i>Aging</i> , 2021, 13, 6375-6405.	1.4	75
12	Spermidine supplementation in rare translation associated disorders. <i>Cell Stress</i> , 2021, 5, 29-32.	1.4	4
13	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , 2021, 35, 108985.	2.9	98
14	eIF5A hypusination, boosted by dietary spermidine, protects from premature brain aging and mitochondrial dysfunction. <i>Cell Reports</i> , 2021, 35, 108941.	2.9	56
15	Spermidine-induced hypusination preserves mitochondrial and cognitive function during aging. <i>Autophagy</i> , 2021, 17, 2037-2039.	4.3	35
16	IGF1 receptor inhibition amplifies the effects of cancer drugs by autophagy and immune-dependent mechanisms. , 2021, 9, e002722.		40
17	Effects of acyl-coenzyme A binding protein (ACBP)/diazepam-binding inhibitor (DBI) on body mass index. <i>Cell Death and Disease</i> , 2021, 12, 599.	2.7	13
18	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	3.5	615

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19	Caloric Restriction Mimetics in Nutrition and Clinical Trials. <i>Frontiers in Nutrition</i> , 2021, 8, 717343.	1.6	52
20	Circulating acetylated polyamines correlate with Covid-19 severity in cancer patients. <i>Aging</i> , 2021, 13, 20860-20885.	1.4	9
21	Novel aspects of age-protection by spermidine supplementation are associated with preserved telomere length. <i>GeroScience</i> , 2021, 43, 673-690.	2.1	18
22	Murals meet microbes: at the crossroads of microbiology and cultural heritage. <i>Microbial Cell</i> , 2021, 8, 276-279.	1.4	1
23	The NADH Dehydrogenase Nde1 Executes Cell Death after Integrating Signals from Metabolism and Proteostasis on the Mitochondrial Surface. <i>Molecular Cell</i> , 2020, 77, 189-202.e6.	4.5	39
24	A discovery platform for the identification of caloric restriction mimetics with broad health-improving effects. <i>Autophagy</i> , 2020, 16, 188-189.	4.3	21
25	Acyl-CoA-binding protein (ACBP): a phylogenetically conserved appetite stimulator. <i>Cell Death and Disease</i> , 2020, 11, 7.	2.7	34
26	Isobacachalcone induces autophagy and improves the outcome of immunogenic chemotherapy. <i>Cell Death and Disease</i> , 2020, 11, 1015.	2.7	17
27	Transcriptional and epigenetic control of regulated cell death in yeast. <i>International Review of Cell and Molecular Biology</i> , 2020, 352, 55-82.	1.6	1
28	Chemical activation of SAT1 corrects diet-induced metabolic syndrome. <i>Cell Death and Differentiation</i> , 2020, 27, 2904-2920.	5.0	22
29	Spermidine supplementation and voluntary activity differentially affect obesity-related structural changes in the mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L312-L324.	1.3	5
30	Triethylenetetramine (trientine): a caloric restriction mimetic with a new mode of action. <i>Autophagy</i> , 2020, 16, 1534-1536.	4.3	8
31	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. <i>Molecular Cell</i> , 2020, 77, 927-929.	4.5	71
32	Nutritional Aspects of Spermidine. <i>Annual Review of Nutrition</i> , 2020, 40, 135-159.	4.3	55
33	Autophagy in cardiovascular health and disease. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 172, 87-106.	0.9	35
34	ACBP is an appetite stimulator across phylogenetic barriers. <i>Cell Stress</i> , 2020, 4, 27-29.	1.4	7
35	Digesting the crisis: autophagy and coronaviruses. <i>Microbial Cell</i> , 2020, 7, 119-128.	1.4	59
36	Fungal infections in humans: the silent crisis. <i>Microbial Cell</i> , 2020, 7, 143-145.	1.4	168

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37	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. <i>Cell Metabolism</i> , 2019, 30, 754-767.e9.	7.2	67
38	4,4'-Dimethoxychalcone: a natural flavonoid that promotes health through autophagy-dependent and -independent effects. <i>Autophagy</i> , 2019, 15, 1662-1664.	4.3	8
39	3,4-Dimethoxychalcone induces autophagy through activation of the transcription factors $\text{TFEB}$ and $\text{TFEB}$ . <i>EMBO Molecular Medicine</i> , 2019, 11, e10469.	3.3	45
40	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. <i>Cell Metabolism</i> , 2019, 30, 462-476.e6.	7.2	256
41	Cardioprotection by spermidine does not depend on structural characteristics of the myocardial microcirculation in aged mice. <i>Experimental Gerontology</i> , 2019, 119, 82-88.	1.2	5
42	Targeting GATA transcription factors – a novel strategy for anti-aging interventions?. <i>Microbial Cell</i> , 2019, 6, 212-216.	1.4	6
43	Astaxanthin exerts protective effects similar to bexarotene in Alzheimer's disease by modulating amyloid-beta and cholesterol homeostasis in blood-brain barrier endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2224-2245.	1.8	26
44	Aspirin impairs acetyl-coenzyme A metabolism in redox-compromised yeast cells. <i>Scientific Reports</i> , 2019, 9, 6152.	1.6	5
45	Effects of spermidine supplementation on cognition and biomarkers in older adults with subjective cognitive decline (SmartAge) – study protocol for a randomized controlled trial. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 36.	3.0	74
46	Autophagy within the mushroom body protects from synapse aging in a non-cell autonomous manner. <i>Nature Communications</i> , 2019, 10, 1318.	5.8	53
47	Caloric Restriction Mimetics against Age-Associated Disease: Targets, Mechanisms, and Therapeutic Potential. <i>Cell Metabolism</i> , 2019, 29, 592-610.	7.2	394
48	The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019, 10, 651.	5.8	100
49	Spermidine protects from age-related synaptic alterations at hippocampal mossy fiber-CA3 synapses. <i>Scientific Reports</i> , 2019, 9, 19616.	1.6	33
50	Reply to Gostner and Fuchs. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 218-219.	2.2	1
51	Spermidine reduces cancer-related mortality in humans. <i>Autophagy</i> , 2019, 15, 362-365.	4.3	31
52	Spermidine: a physiological autophagy inducer acting as an anti-aging vitamin in humans?. <i>Autophagy</i> , 2019, 15, 165-168.	4.3	108
53	Acyl-CoA-binding protein (ACBP): the elusive "hunger factor" linking autophagy to food intake. <i>Cell Stress</i> , 2019, 3, 312-318.	1.4	19
54	$\beta$ -Ketoglutarate inhibits autophagy. <i>Aging</i> , 2019, 11, 3418-3431.	1.4	30

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55	The metabolomic signature of extreme longevity: naked mole rats versus mice. <i>Aging</i> , 2019, 11, 4783-4800.	1.4	43
56	Aspirin Recapitulates Features of Caloric Restriction. <i>Cell Reports</i> , 2018, 22, 2395-2407.	2.9	98
57	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
58	Spermidine in health and disease. <i>Science</i> , 2018, 359, .	6.0	616
59	Trans-Fats Inhibit Autophagy Induced by Saturated Fatty Acids. <i>EBioMedicine</i> , 2018, 30, 261-272.	2.7	31
60	Yeast as a tool to identify anti-aging compounds. <i>FEMS Yeast Research</i> , 2018, 18, .	1.1	74
61	Microbial wars: competition in ecological niches and within the microbiome. <i>Microbial Cell</i> , 2018, 5, 215-219.	1.4	189
62	Guidelines and recommendations on yeast cell death nomenclature. <i>Microbial Cell</i> , 2018, 5, 4-31.	1.4	158
63	The effect of spermidine on memory performance in older adults at risk for dementia: A randomized controlled trial. <i>Cortex</i> , 2018, 109, 181-188.	1.1	98
64	Safety and tolerability of spermidine supplementation in mice and older adults with subjective cognitive decline. <i>Aging</i> , 2018, 10, 19-33.	1.4	101
65	Spermidine delays aging in humans. <i>Aging</i> , 2018, 10, 2209-2211.	1.4	62
66	Carbotoxicityâ€”Noxious Effects of Carbohydrates. <i>Cell</i> , 2018, 175, 605-614.	13.5	82
67	Autophagy in Cardiovascular Aging. <i>Circulation Research</i> , 2018, 123, 803-824.	2.0	171
68	Studying Huntingtonâ€™s Disease in Yeast: From Mechanisms to Pharmacological Approaches. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 318.	1.4	23
69	Higher spermidine intake is linked to lower mortality: a prospective population-based study. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 371-380.	2.2	150
70	Intermittent Fasting (Alternate Day Fasting) in Healthy, Non-obese Adults: Protocol for a Cohort Trial with an Embedded Randomized Controlled Pilot Trial. <i>Advances in Therapy</i> , 2018, 35, 1265-1283.	1.3	15
71	Diacylglycerol triggers Rim101 pathwayâ€“dependent necrosis in yeast: a model for lipotoxicity. <i>Cell Death and Differentiation</i> , 2018, 25, 767-783.	5.0	22
72	Cardioprotective effects of autophagy induction in sepsis. <i>Annals of Translational Medicine</i> , 2018, 6, S61-S61.	0.7	7

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73	New perspectives from South-Y-East, not all about death A report of the 12th International Meeting on Yeast Apoptosis in Bari, Italy, May 14th-18th, 2017. <i>Microbial Cell</i> , 2018, 5, 112-115.	1.4	0
74	Metabolic effects of fasting on human and mouse blood in vivo. <i>Autophagy</i> , 2017, 13, 567-578.	4.3	75
75	Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , 2017, 13, 767-769.	4.3	63
76	Methods to Assess Autophagy and Chronological Aging in Yeast. <i>Methods in Enzymology</i> , 2017, 588, 367-394.	0.4	20
77	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	3.5	1,230
78	Spermidine boosts autophagy to protect from synapse aging. <i>Autophagy</i> , 2017, 13, 444-445.	4.3	53
79	Cytosolic lipolysis and lipophagy: two sides of the same coin. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 671-684.	16.1	348
80	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.	1.4	10
81	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
82	Cell Stress â€” a new journal for cellular pathophysiology. <i>Cell Stress</i> , 2017, 1, 1-3.	1.4	0
83	Sexually transmitted infections: old foes on the rise. <i>Microbial Cell</i> , 2016, 3, 361-362.	1.4	17
84	Autophagy: one more Nobel Prize for yeast. <i>Microbial Cell</i> , 2016, 3, 579-581.	1.4	20
85	Spermidine Suppresses Age-Associated Memory Impairment by Preventing Adverse Increase of Presynaptic Active Zone Size and Release. <i>PLoS Biology</i> , 2016, 14, e1002563.	2.6	82
86	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , 2016, 30, 147-160.	7.7	410
87	The crucial impact of lysosomes in aging and longevity. <i>Ageing Research Reviews</i> , 2016, 32, 2-12.	5.0	200
88	Metabolic Control of Longevity. <i>Cell</i> , 2016, 166, 802-821.	13.5	591
89	Autophagy induction for the treatment of cancer. <i>Autophagy</i> , 2016, 12, 1962-1964.	4.3	50
90	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	15.2	801

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91	Magnetomitotransfer: An efficient way for direct mitochondria transfer into cultured human cells. <i>Scientific Reports</i> , 2016, 6, 35571.	1.6	38
92	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. <i>Cell Metabolism</i> , 2016, 23, 1093-1112.	7.2	360
93	Ethanolamine: A novel anti-aging agent. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1019023.	0.3	4
94	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
95	Interventions to Slow Aging in Humans: Are We Ready?. <i>Aging Cell</i> , 2015, 14, 497-510.	3.0	481
96	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015, 6, 588.	2.2	317
97	Acetyl Coenzyme A: A Central Metabolite and Second Messenger. <i>Cell Metabolism</i> , 2015, 21, 805-821.	7.2	963
98	Essential role for autophagy in life span extension. <i>Journal of Clinical Investigation</i> , 2015, 125, 85-93.	3.9	369
99	IPO: a tool for automated optimization of XCMS parameters. <i>BMC Bioinformatics</i> , 2015, 16, 118.	1.2	249
100	Unsaturated fatty acids induce non-canonical autophagy. <i>EMBO Journal</i> , 2015, 34, 1025-1041.	3.5	147
101	Novel inducers of BECN1-independent autophagy: <i>cis</i> -unsaturated fatty acids. <i>Autophagy</i> , 2015, 11, 575-577.	4.3	13
102	Metabolomic analyses reveal that anti-aging metabolites are depleted by palmitate but increased by oleate <i>in vivo</i> . <i>Cell Cycle</i> , 2015, 14, 2399-2407.	1.3	27
103	Phosphatidylethanolamine positively regulates autophagy and longevity. <i>Cell Death and Differentiation</i> , 2015, 22, 499-508.	5.0	184
104	Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. <i>Cell Reports</i> , 2015, 10, 1557-1571.	2.9	52
105	A molecular mechanism for lipophagy regulation in the liver. <i>Hepatology</i> , 2015, 61, 1781-1783.	3.6	21
106	Endogenous Hydrogen Sulfide Production Is Essential for Dietary Restriction Benefits. <i>Cell</i> , 2015, 160, 132-144.	13.5	449
107	Spermidine induces autophagy by inhibiting the acetyltransferase EP300. <i>Cell Death and Differentiation</i> , 2015, 22, 509-516.	5.0	237
108	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015, 22, 58-73.	5.0	811

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109	Modeling non-hereditary mechanisms of Alzheimer disease during apoptosis in yeast. <i>Microbial Cell</i> , 2015, 2, 136-138.	1.4	8
110	The peptidyl prolyl cis/trans isomerase Pin1/Ess1 inhibits phosphorylation and toxicity of tau in a yeast model for Alzheimer's disease. <i>AIMS Molecular Science</i> , 2015, 2, 144-160.	0.3	6
111	When less is more: hormesis against stress and disease. <i>Microbial Cell</i> , 2014, 1, 150-153.	1.4	37
112	Metabolites in aging and autophagy. <i>Microbial Cell</i> , 2014, 1, 110-114.	1.4	15
113	Consensus guidelines for the detection of immunogenic cell death. <i>Oncolmmunology</i> , 2014, 3, e955691.	2.1	686
114	Spermidine-triggered autophagy ameliorates memory during aging. <i>Autophagy</i> , 2014, 10, 178-179.	4.3	62
115	A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014, 10, 1143-1145.	4.3	18
116	Acetyl-coenzyme A. <i>Autophagy</i> , 2014, 10, 1335-1337.	4.3	42
117	Lifespan Extension by Methionine Restriction Requires Autophagy-Dependent Vacuolar Acidification. <i>PLoS Genetics</i> , 2014, 10, e1004347.	1.5	192
118	Coffee induces autophagy in vivo. <i>Cell Cycle</i> , 2014, 13, 1987-1994.	1.3	49
119	Spermidine protects against $\alpha$ -synuclein neurotoxicity. <i>Cell Cycle</i> , 2014, 13, 3903-3908.	1.3	132
120	Caloric restriction mimetics: natural/physiological pharmacological autophagy inducers. <i>Autophagy</i> , 2014, 10, 1879-1882.	4.3	91
121	Dimethyl $\alpha$ -ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. <i>Autophagy</i> , 2014, 10, 930-932.	4.3	45
122	Methionine restriction slows down senescence in human diploid fibroblasts. <i>Aging Cell</i> , 2014, 13, 1038-1048.	3.0	47
123	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	7.2	221
124	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. <i>Molecular Cell</i> , 2014, 53, 710-725.	4.5	412
125	Amyloid- $\beta$ Peptide Induces Mitochondrial Dysfunction by Inhibition of Preprotein Maturation. <i>Cell Metabolism</i> , 2014, 20, 662-669.	7.2	176
126	Caloric restriction mimetics: towards a molecular definition. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 727-740.	21.5	200



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127	Polyamines in biological samples: Rapid and robust quantification by solid-phase extraction online-coupled to liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1331, 44-51.	1.8	65
128	The Search for Antiaging Interventions: From Elixirs to Fasting Regimens. <i>Cell</i> , 2014, 157, 1515-1526.	13.5	302
129	Immunogenic calreticulin exposure occurs through a phylogenetically conserved stress pathway involving the chemokine CXCL8. <i>Cell Death and Differentiation</i> , 2014, 21, 59-68.	5.0	83
130	One cell, one love: a journal for microbial research. <i>Microbial Cell</i> , 2014, 1, 1-5.	1.4	4
131	Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , 2014, 1, 160-162.	1.4	13
132	Yeast between life and death: a summary of the Ninth International Meeting on Yeast Apoptosis in Rome, Italy, 17-20 September 2012. <i>Cell Death and Differentiation</i> , 2013, 20, 1281-1283.	5.0	0
133	Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner. <i>Nature Neuroscience</i> , 2013, 16, 1453-1460.	7.1	283
134	Cell death pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3447.	1.9	1
135	The Ca <sup>2+</sup> /Mn <sup>2+</sup> ion-pump PMR1 links elevation of cytosolic Ca <sup>2+</sup> levels to $\alpha$ -synuclein toxicity in Parkinson's disease models. <i>Cell Death and Differentiation</i> , 2013, 20, 465-477.	5.0	76
136	Spermidine promotes mating and fertilization efficiency in model organisms. <i>Cell Cycle</i> , 2013, 12, 346-352.	1.3	29
137	Yeast Programed Cell Death and Aging. <i>Frontiers in Oncology</i> , 2013, 3, 283.	1.3	14
138	Endonuclease G mediates $\alpha$ -synuclein cytotoxicity during Parkinson's disease. <i>EMBO Journal</i> , 2013, 32, 3041-3054.	3.5	71
139	The cell death protease Kex1p is essential for hypochlorite-induced apoptosis in yeast. <i>Cell Cycle</i> , 2013, 12, 1704-1712.	1.3	23
140	A higher spirit: avoiding yeast suicide during alcoholic fermentation. <i>Cell Death and Differentiation</i> , 2012, 19, 913-914.	5.0	19
141	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
142	Independent transcriptional reprogramming and apoptosis induction by cisplatin. <i>Cell Cycle</i> , 2012, 11, 3472-3480.	1.3	32
143	Friend or food. <i>Autophagy</i> , 2012, 8, 995-996.	4.3	4
144	14-3-3 Protects against stress-induced apoptosis. <i>Cell Death and Disease</i> , 2012, 3, e348-e348.	2.7	52

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145	C16 ceramide is crucial for triacylglycerol-induced apoptosis in macrophages. <i>Cell Death and Disease</i> , 2012, 3, e280-e280.	2.7	55
146	Inhibition of Autophagy Rescues Palmitic Acid-induced Necroptosis of Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 21110-21120.	1.6	118
147	Identification of Autophagosome-associated Proteins and Regulators by Quantitative Proteomic Analysis and Genetic Screens. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.014035.	2.5	118
148	Prognostic Impact of Vitamin B6 Metabolism in Lung Cancer. <i>Cell Reports</i> , 2012, 2, 257-269.	2.9	122
149	Prognostic Impact of Vitamin B6 Metabolism in Lung Cancer. <i>Cell Reports</i> , 2012, 2, 1472.	2.9	0
150	An Immunosurveillance Mechanism Controls Cancer Cell Ploidy. <i>Science</i> , 2012, 337, 1678-1684.	6.0	367
151	When Death Was Young: An Ancestral Apoptotic Network in Bacteria. <i>Molecular Cell</i> , 2012, 46, 552-554.	4.5	15
152	FAT SIGNALS - Lipases and Lipolysis in Lipid Metabolism and Signaling. <i>Cell Metabolism</i> , 2012, 15, 279-291.	7.2	852
153	Spermidine promotes stress resistance in <i>Drosophila melanogaster</i> through autophagy-dependent and -independent pathways. <i>Cell Death and Disease</i> , 2012, 3, e401-e401.	2.7	83
154	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
155	Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012. <i>Cell Death and Differentiation</i> , 2012, 19, 107-120.	5.0	2,144
156	Resveratrol induces antioxidant defence via transcription factor Yap1p. <i>Yeast</i> , 2012, 29, 251-263.	0.8	33
157	Sip18 hydrophilin prevents yeast cell death during desiccation stress. <i>Journal of Applied Microbiology</i> , 2012, 112, 512-525.	1.4	38
158	The yeast metacaspase is implicated in oxidative stress response in frataxin-deficient cells. <i>FEBS Letters</i> , 2012, 586, 143-148.	1.3	16
159	The metabolism beyond programmed cell death in yeast. <i>Experimental Cell Research</i> , 2012, 318, 1193-1200.	1.2	22
160	A yeast BH3-only protein mediates the mitochondrial pathway of apoptosis. <i>EMBO Journal</i> , 2011, 30, 2779-2792.	3.5	120
161	Neurotoxic 43-kDa TAR DNA-binding Protein (TDP-43) Triggers Mitochondrion-dependent Programmed Cell Death in Yeast. <i>Journal of Biological Chemistry</i> , 2011, 286, 19958-19972.	1.6	80
162	The Role of Mitochondria in the Aging Processes of Yeast. <i>Sub-Cellular Biochemistry</i> , 2011, 57, 55-78.	1.0	43

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163	Programmed Necrosis. <i>International Review of Cell and Molecular Biology</i> , 2011, 289, 1-35.	1.6	132
164	ATGL-mediated fat catabolism regulates cardiac mitochondrial function via PPAR- $\alpha$ and PGC-1. <i>Nature Medicine</i> , 2011, 17, 1076-1085.	15.2	612
165	Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. <i>Journal of Cell Biology</i> , 2011, 192, 615-629.	2.3	439
166	Aggresome formation and segregation of inclusions influence toxicity of $\alpha$ -synuclein and synphilin-1 in yeast. <i>Biochemical Society Transactions</i> , 2011, 39, 1476-1481.	1.6	23
167	Polyamines in aging and disease. <i>Aging</i> , 2011, 3, 716-732.	1.4	376
168	The Antifungal Plant Defensin HsAFP1 from <i>Heuchera Sanguinea</i> Induces Apoptosis in <i>Candida Albicans</i> . <i>Frontiers in Microbiology</i> , 2011, 2, 47.	1.5	83
169	Autophagy for tissue homeostasis and neuroprotection. <i>Current Opinion in Cell Biology</i> , 2011, 23, 198-206.	2.6	182
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