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List of Publications by Year
in descending order

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72 papers	7,745 citations	94433 37 h-index	106344 65 g-index
78 all docs	78 docs citations	78 times ranked	13455 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Uth1p Is Involved in the Autophagic Degradation of Mitochondria. Journal of Biological Chemistry, 2004, 279, 39068-39074.	3.4	379
3	Bax activation and mitochondrial insertion during apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 887-896.	4.9	278
4	Release of cytochrome c and decrease of cytochrome c oxidase in Baxâ€expressing yeast cells, and prevention of these effects by coexpression of Bclâ€x‹sub›L‹/sub›. FEBS Letters, 1997, 415, 29-32.	2.8	274
5	A novel, high conductance channel of mitochondria linked to apoptosis in mammalian cells and Bax expression in yeast. Journal of Cell Biology, 2001, 155, 725-732.	5.2	274
6	Mitochondria as the target of the pro-apoptotic protein Bax. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1301-1311.	1.0	210
7	Selective and Non-Selective Autophagic Degradation of Mitochondria in Yeast. Autophagy, 2007, 3, 329-336.	9.1	194
8	Regulation of the mitochondrial apoptosis-induced channel, MAC, by BCL-2 family proteins. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2006, 1762, 191-201.	3.8	164
9	Guidelines and recommendations on yeast cell death nomenclature. Microbial Cell, 2018, 5, 4-31.	3.2	158
10	Bax activation by the BH3-only protein Puma promotes cell dependence on antiapoptotic Bcl-2 family members. Journal of Cell Biology, 2009, 185, 279-290.	5.2	132
11	ADP/ATP carrier is required for mitochondrial outer membrane permeabilization and cytochrome ‹i›c‹/i› release in yeast apoptosis. Molecular Microbiology, 2007, 66, 571-582.	2.5	128
12	Investigation of bax-induced release of cytochrome c from yeast mitochondria . Permeability of mitochondrial membranes, role of VDAC and ATP requirement. FEBS Journal, 1999, 260, 684-691.	0.2	122
13	Organization and regulation of the cytosolic NADH metabolism in the yeast Saccharomyces cerevisiae. Molecular and Cellular Biochemistry, 2004, 256, 73-81.	3.1	116
14	Bax: Addressed to kill. Biochimie, 2011, 93, 1379-1391.	2.6	110
15	The N-terminal End of Bax Contains a Mitochondrial-targeting Signal. Journal of Biological Chemistry, 2003, 278, 11633-11641.	3.4	105
16	Glutathione Participates in the Regulation of Mitophagy in Yeast. Journal of Biological Chemistry, 2009, 284, 14828-14837.	3.4	102
17	Regulation of Bax mitochondrial localization by Bcl-2 and Bcl-xL: Keep your friends close but your enemies closer. International Journal of Biochemistry and Cell Biology, 2013, 45, 64-67.	2.8	102
18	Distinct Domains Control the Addressing and the Insertion of Bax into Mitochondria. Journal of Biological Chemistry, 2005, 280, 10587-10598.	3.4	85

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19	The product of the UTH1 gene, required for Bax-induced cell death in yeast, is involved in the response to rapamycin. Molecular Microbiology, 2003, 47, 495-506.	2.5	80
20	A brewing understanding of the regulation of Bax function by Bcl-xL and Bcl-2. Mechanisms of Ageing and Development, 2017, 161, 201-210.	4.6	76
21	Uth1p: a yeast mitochondrial protein at the crossroads of stress, degradation and cell death. FEMS Yeast Research, 2004, 5, 133-140.	2.3	75
22	Mitochondrial degradation in acetic acid-induced yeast apoptosis: the role of Pep4 and the ADP/ATP carrier. Molecular Microbiology, 2010, 76, 1398-1410.	2.5	75
23	Lipid oxidation and autophagy in yeast. Free Radical Biology and Medicine, 2006, 41, 1655-1661.	2.9	68
24	Yeast as a tool to study Bax/mitochondrial interactions in cell death. FEMS Yeast Research, 2003, 4, 15-27.	2.3	67
25	Characterization of the yeast mitochondria unselective channel: a counterpart to the mammalian permeability transition pore?. Journal of Bioenergetics and Biomembranes, 1998, 30, 419-429.	2.3	65
26	Comparison of the effects of bax -expression in yeast under fermentative and respiratory conditions: investigation of the role of adenine nucleotides carrier and cytochrome c. FEBS Letters, 1999, 456, 232-238.	2.8	64
27	Bcl-wav and the mitochondrial calcium uniporter drive gastrula morphogenesis in zebrafish. Nature Communications, 2013, 4, 2330.	12.8	64
28	[10] ATP synthase from Saccharomyces cerevisiae. Methods in Enzymology, 1995, 260, 133-163.	1.0	62
29	Evaluation of the Roles of Apoptosis, Autophagy, and Mitophagy in the Loss of Plating Efficiency Induced by Bax Expression in Yeast. Journal of Biological Chemistry, 2006, 281, 36187-36197.	3.4	57
30	Studies of the Interaction of Substituted Mutants of BAX with Yeast Mitochondria Reveal That the C-terminal Hydrophobic Î±-Helix Is a Second ART Sequence and Plays a Role in the Interaction with Anti-apoptotic BCL-xL. Journal of Biological Chemistry, 2004, 279, 52566-52573.	3.4	56
31	Substitutions of Potentially Phosphorylatable Serine Residues of Bax Reveal How They May Regulate Its Interaction with Mitochondria. Journal of Biological Chemistry, 2007, 282, 35104-35112.	3.4	55
32	Bax-induced cell death in yeast depends on mitochondrial lipid oxidation. FEBS Journal, 2002, 269, 5440-5450.	0.2	54
33	Bax inserts into the mitochondrial outer membrane by different mechanisms. FEBS Letters, 2008, 582, 3045-3051.	2.8	49
34	Ancient and conserved functional interplay between Bcl-2 family proteins in the mitochondrial pathway of apoptosis. Science Advances, 2020, 6, .	10.3	47
35	Investigation of the role of the C-terminus of Bax and of tc-Bid on Bax interaction with yeast mitochondria. Cell Death and Differentiation, 2003, 10, 1068-1077.	11.2	46
36	Role of the C-terminal domain of Bax and Bcl-xLin their localization and function in yeast cells. FEBS Letters, 1999, 443, 225-228.	2.8	44

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37	Bax expression protects yeast plasma membrane against ethanol-induced permeabilization. FEBS Letters, 2002, 521, 47-52.	2.8	40
38	The substitution of the C-terminus of bax by that of bcl-xL does not affect its subcellular localization but abrogates its pro-apoptotic properties. FEBS Letters, 2000, 487, 161-165.	2.8	39
39	The yeast model system as a tool towards the understanding of apoptosis regulation by sphingolipids. FEMS Yeast Research, 2014, 14, 160-178.	2.3	38
40	Regulation of Bax/mitochondria interaction by AKT. FEBS Letters, 2016, 590, 13-21.	2.8	37
41	Bcl-xL stimulates Bax relocation to mitochondria and primes cells to ABT-737. International Journal of Biochemistry and Cell Biology, 2015, 64, 136-146.	2.8	36
42	In yeast, Ca2+ and octylguanidine interact with porin (VDAC) preventing the mitochondrial permeability transition. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1245-1251.	1.0	35
43	Conditions allowing different states of ATP- and GDP-induced permeability in mitochondria from different strains of Saccharomyces cerevisiae. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1324, 120-132.	2.6	30
44	Increased levels of reduced cytochrome b and mitophagy components are required to trigger nonspecific autophagy following induced mitochondrial dysfunction. Journal of Cell Science, 2013, 126, 415-426.	2.0	29
45	Bcl-2 Family Members and the Mitochondrial Import Machineries: The Roads to Death. Biomolecules, 2022, 12, 162.	4.0	27
46	Modulation of Bax mitochondrial insertion and induced cell death in yeast by mammalian protein kinase CÎ±. Experimental Cell Research, 2011, 317, 781-790.	2.6	23
47	The Importance of Humanized Yeast to Better Understand the Role of Bcl-2 Family in Apoptosis: Finding of Novel Therapeutic Opportunities. Current Pharmaceutical Design, 2011, 17, 246-255.	1.9	22
48	TOM20-mediated transfer of Bcl2 from ER to MAM and mitochondria upon induction of apoptosis. Cell Death and Disease, 2021, 12, 182.	6.3	22
49	The substitution of Proline 168 favors Bax oligomerization and stimulates its interaction with LUVs and mitochondria. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1144-1155.	2.6	20
50	VDAC regulates AAC-mediated apoptosis and cytochrome c release in yeast. Microbial Cell, 2016, 3, 500-510.	3.2	20
51	Bax mitochondrial relocation is linked to its phosphorylation and its interaction with Bcl-xL. Microbial Cell, 2016, 3, 597-605.	3.2	20
52	The cytosolic domain of human Tom22 modulates human Bax mitochondrial translocation and conformation in yeast. FEBS Letters, 2012, 586, 116-121.	2.8	19
53	Mitochondria-Associated Membranes (MAMs) are involved in Bax mitochondrial localization and cytochrome c release. Microbial Cell, 2019, 6, 257-266.	3.2	16
54	A Fox2-Dependent Fatty Acid ÃŸ-Oxidation Pathway Coexists Both in Peroxisomes and Mitochondria of the Ascomycete Yeast Candida lusitaniae. PLoS ONE, 2014, 9, e114531.	2.5	16

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55	N-terminal acetylation modulates Bax targeting to mitochondria. International Journal of Biochemistry and Cell Biology, 2018, 95, 35-42.	2.8	15
56	Lactoferrin perturbs lipid rafts and requires integrity of Pma1p-lipid rafts association to exert its antifungal activity against Saccharomyces cerevisiae. International Journal of Biological Macromolecules, 2021, 171, 343-357.	7.5	13
57	N52 monodeamidated Bcl-xL shows impaired oncogenic propertiesin vivoandin vitro. Oncotarget, 2016, 7, 17129-17143.	1.8	13
58	Insights into the relationship between the proteasome and autophagy in human and yeast cells. International Journal of Biochemistry and Cell Biology, 2015, 64, 167-173.	2.8	12
59	Improved Electrophoretic Separation to Assist the Monitoring of Bcl-xL Post-Translational Modifications. International Journal of Molecular Sciences, 2019, 20, 5571.	4.1	11
60	The yeast mitophagy receptor Atg32 is ubiquitinated and degraded by the proteasome. PLoS ONE, 2020, 15, e0241576.	2.5	8
61	A sandwich ELISA for the conformation-specific quantification of the activated form of human Bax. Analytical Biochemistry, 2016, 497, 90-94.	2.4	6
62	Acetic acid triggers cytochrome c release in yeast heterologously expressing human Bax. Apoptosis: an International Journal on Programmed Cell Death, 2022, 27, 368-381.	4.9	5
63	Investigating BCL-2 Family Protein Interactions in Yeast. Methods in Molecular Biology, 2019, 1877, 93-109.	0.9	4
64	Contribution of Yeast Studies to the Understanding of BCL-2 Family Intracellular Trafficking. International Journal of Molecular Sciences, 2021, 22, 4086.	4.1	3
65	Keeping Cell Death Alive: An Introduction into the French Cell Death Research Network. Biomolecules, 2022, 12, 901.	4.0	2
66	Bcl-xL Increases Bax Mitochondrial Localization and Activation in Non-Apoptotic Cells. Biophysical Journal, 2012, 102, 437a.	0.5	0
67	Stimulation of Bax Mitochondrial Localization by Bcl-xL. Biophysical Journal, 2013, 104, 656a-657a.	0.5	0
68	The yeast model system as a tool towards the understanding of apoptosis regulation by sphingolipids. FEMS Yeast Research, 2014, 14, 995-995.	2.3	0
69	Mitochondria as Signaling Platforms. , 2019, , 33-62.		0
70	Mitochondria-associated membranes in the maintenance of cell homeostasis. , 2021, , 151-169.		0
71	Bax activation by the BH3-only protein Puma promotes cell dependence on antiapoptotic Bcl-2 family members. Journal of Experimental Medicine, 2009, 206, i8-i8.	8.5	0
72	New Insights on the Regulation of Programmed Cell Death by Bcl-2 Family Proteins at the Mitochondria: Physiological and Pathophysiological Implications. Biological and Medical Physics Series, 2017, , 253-283.	0.4	0