J Marie Hardwick

List of Publications by Year
in descending order

83	11,839	53794 45	58581 82
papers	citations	h-index	g-index

89	89	89	14859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Conversion of Bcl-2 to a Bax-like Death Effector by Caspases. Science, 1997, 278, 1966-1968.	12.6	1,028
3	Conversion of lytic to persistent alphavirus infection by the bcl-2 cellular oncogene. Nature, 1993, 361, 739-742.	27.8	556
4	Bax-independent inhibition of apoptosis by Bcl-XL. Nature, 1996, 379, 554-556.	27.8	492
5	Multiple Functions of BCL-2 Family Proteins. Cold Spring Harbor Perspectives in Biology, 2013, 5, a008722-a008722.	5.5	458
6	Caspase-3-dependent Cleavage of Bcl-2 Promotes Release of Cytochrome c. Journal of Biological Chemistry, 1999, 274, 21155-21161.	3.4	390
7	Mitochondrial fission proteins regulate programmed cell death in yeast. Genes and Development, 2004, 18, 2785-2797.	5.9	270
8	Bcl-xL regulates metabolic efficiency of neurons through interaction with the mitochondrial F1FO ATP synthase. Nature Cell Biology, 2011, 13, 1224-1233.	10.3	245
9	Bax-type Apoptotic Proteins Porate Pure Lipid Bilayers through a Mechanism Sensitive to Intrinsic Monolayer Curvature. Journal of Biological Chemistry, 2002, 277, 49360-49365.	3.4	210
10	Bcl-x _L induces Drp1-dependent synapse formation in cultured hippocampal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2169-2174.	7.1	210
11	Bcl-xL increases mitochondrial fission, fusion, and biomass in neurons. Journal of Cell Biology, 2009, 184, 707-719.	5.2	203
12	Bcl-xL regulates mitochondrial energetics by stabilizing the inner membrane potential. Journal of Cell Biology, 2011, 195, 263-276.	5.2	182
13	Genome-wide Consequences of Deleting Any Single Gene. Molecular Cell, 2013, 52, 485-494.	9.7	163
14	Pro-apoptotic Cleavage Products of Bcl-xL Form Cytochrome c-conducting Pores in Pure Lipid Membranes. Journal of Biological Chemistry, 2001, 276, 31083-31091.	3.4	134
15	Antiapoptotic Herpesvirus Bcl-2 Homologs Escape Caspase-Mediated Conversion to Proapoptotic Proteins. Journal of Virology, 2000, 74, 5024-5031.	3.4	132
16	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. Cell Death and Differentiation, 2018, 25, 542-572.	11.2	120
17	Upgrading the BCL-2 Network. Nature Cell Biology, 2006, 8, 1317-1319.	10.3	113
18	Anti-apoptotic Bcl-2 Family Proteins Disassemble Ceramide Channels. Journal of Biological Chemistry, 2008, 283, 6622-6630.	3.4	110

#	Article	IF	Citations
19	Inhibition of virus-induced neuronal apoptosis by Bax. Nature Medicine, 1999, 5, 832-835.	30.7	107
20	BAK Alters Neuronal Excitability and Can Switch from Anti- to Pro-Death Function during Postnatal Development. Developmental Cell, 2003, 4, 575-585.	7.0	101
21	Multipolar functions of BCL-2 proteins link energetics to apoptosis. Trends in Cell Biology, 2012, 22, 318-328.	7.9	96
22	Modulation of Synaptic Transmission by the BCL-2 Family Protein BCL-xL. Journal of Neuroscience, 2003, 23, 8423-8431.	3.6	95
23	Proapoptotic N-truncated BCL-xL protein activates endogenous mitochondrial channels in living synaptic terminals. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13590-13595.	7.1	95
24	Zinc-Dependent Multi-Conductance Channel Activity in Mitochondria Isolated from Ischemic Brain. Journal of Neuroscience, 2006, 26, 6851-6862.	3.6	93
25	In vivo CaspaseTracker biosensor system for detecting anastasis and non-apoptotic caspase activity. Scientific Reports, 2015, 5, 9015.	3.3	92
26	Viruses activate a genetically conserved cell death pathway in a unicellular organism. Journal of Cell Biology, 2005, 170, 391-399.	5.2	90
27	Evolution of Bcl-2 homology motifs: homology versus homoplasy. Trends in Cell Biology, 2013, 23, 103-111.	7.9	86
28	Epstein-Barr Virus BALF1 Is a BCL-2-Like Antagonist of the Herpesvirus Antiapoptotic BCL-2 Proteins. Journal of Virology, 2002, 76, 2469-2479.	3.4	85
29	Aven and Bcl-xL enhance protection against apoptosis for mammalian cells exposed to various culture conditions. Biotechnology and Bioengineering, 2004, 85, 589-600.	3.3	82
30	Enhancing DNA vaccine potency by coadministration of DNA encoding antiapoptotic proteins. Journal of Clinical Investigation, 2003, 112, 109-117.	8.2	73
31	Cytosolic domain of the human mitochondrial fission protein fis1 adopts a TPR fold. Proteins: Structure, Function and Bioinformatics, 2003, 54, 153-156.	2.6	70
32	N-terminally cleaved Bcl-xL mediates ischemia-induced neuronal death. Nature Neuroscience, 2012, 15, 574-580.	14.8	70
33	Connecting mitochondrial dynamics and life-or-death events via Bcl-2 family proteins. Neurochemistry International, 2017, 109, 141-161.	3.8	70
34	Inhibition of Translation and Induction of Apoptosis by Bunyaviral Nonstructural Proteins Bearing Sequence Similarity to Reaper. Molecular Biology of the Cell, 2003, 14, 4162-4172.	2.1	67
35	KCTD: A new gene family involved in neurodevelopmental and neuropsychiatric disorders. CNS Neuroscience and Therapeutics, 2019, 25, 887-902.	3.9	66
36	A New View of the Lethal Apoptotic Pore. PLoS Biology, 2012, 10, e1001399.	5.6	60

#	Article	IF	Citations
37	Aven-Dependent Activation of ATM Following DNA Damage. Current Biology, 2008, 18, 933-942.	3.9	58
38	Redefining the BH3 Death Domain as a â€˜Short Linear Motifâ€™. Trends in Biochemical Sciences, 2015, 40, 736-748.	7.5	57
39	Mitochondrial death pathways in yeast and mammalian cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1272-1279.	4.1	56
40	The mTOR Inhibitor Rapamycin Has Limited Acute Anticonvulsant Effects in Mice. PLoS ONE, 2012, 7, e45156.	2.5	55
41	The effects of alphavirus infection on neurons. Annals of Neurology, 1994, 35, S23-S27.	5.3	53
42	Viral versus cellular BCL-2 proteins. Cell Death and Differentiation, 2003, 10, S68-S76.	11.2	51
43	Combining caspase and mitochondrial dysfunction inhibitors of apoptosis to limit cell death in mammalian cell cultures. Biotechnology and Bioengineering, 2006, 94, 362-372.	3.3	51
44	Bcl-xL Inhibitor ABT-737 Reveals a Dual Role for Bcl-xL in Synaptic Transmission. Journal of Neurophysiology, 2008, 99, 1515-1522.	1.8	49
45	BAD Is a Pro-survival Factor Prior to Activation of Its Pro-apoptotic Function. Journal of Biological Chemistry, 2004, 279, 42240-42249.	3.4	48
46	Mitochondrial involvement in cell death of non-mammalian eukaryotes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 597-607.	4.1	46
47	Exposure to Hypoxia Rapidly Induces Mitochondrial Channel Activity within a Living Synapse. Journal of Biological Chemistry, 2005, 280, 4491-4497.	3.4	45
48	KCTD7 deficiency defines a distinct neurodegenerative disorder with a conserved autophagyâ€lysosome defect. Annals of Neurology, 2018, 84, 766-780.	5.3	42
49	Bax, along with Lipid Conspirators, Allows Cytochrome c to Escape Mitochondria. Molecular Cell, 2002, 10, 963-965.	9.7	41
50	Magnetic Resonance Diffusion Tensor Microimaging Reveals a Role for Bcl-x in Brain Development and Homeostasis. Journal of Neuroscience, 2005, 25, 1881-1888.	3.6	39
51	Inhibitor specificity of recombinant and endogenous caspase-9. Biochemical Journal, 2002, 366, 595-601.	3.7	37
52	Seizure tests distinguish intermittent fasting from the ketogenic diet. Epilepsia, 2010, 51, 1395-1402.	5.1	36
53	Whi2 is a conserved negative regulator of TORC1 in response to low amino acids. PLoS Genetics, 2018, 14, e1007592.	3.5	36
54	Overview of BCL-2 Family Proteins and Therapeutic Potentials. Methods in Molecular Biology, 2019, 1877, 1-21.	0.9	36

#	Article	IF	Citations
55	Potent anti-seizure effects of D-leucine. Neurobiology of Disease, 2015, 82, 46-53.	4.4	35
56	Mitochondrial Programmed Cell Death Pathways in Yeast. Developmental Cell, 2004, 7, 630-632.	7.0	34
57	A Bcl-xL Timer Sets Platelet Life Span. Cell, 2007, 128, 1035-1036.	28.9	28
58	Inhibition of drug-induced Fas ligand transcription and apoptosis by Bcl-XL. Molecular and Cellular Biochemistry, 2001, 225, 7-20.	3.1	27
59	Actions of BAX on Mitochondrial Channel Activity and on Synaptic Transmission. Antioxidants and Redox Signaling, 2005, 7, 1092-1100.	5.4	26
60	Unravelling the Bcl-2 Apoptosis Code with a Simple Model System. PLoS Biology, 2008, 6, e154.	5.6	25
61	Viral modulators of cell death provide new links to old pathways. Current Opinion in Cell Biology, 2003, 15, 700-705.	5.4	24
62	Strategies for Tracking Anastasis, A Cell Survival Phenomenon that Reverses Apoptosis. Journal of Visualized Experiments, 2015, , .	0.3	24
63	Targeting intrinsic cell death pathways to control fungal pathogens. Biochemical Pharmacology, 2019, 162, 71-78.	4.4	22
64	Do Fungi Undergo Apoptosis-Like Programmed Cell Death?. MBio, 2018, 9, .	4.1	21
65	Reliable Method for Detection of Programmed Cell Death in Yeast. Methods in Molecular Biology, 2009, 559, 335-342.	0.9	20
66	Whi2: a new player in amino acid sensing. Current Genetics, 2019, 65, 701-709.	1.7	16
67	Quantification of Genetically Controlled Cell Death in Budding Yeast. Methods in Molecular Biology, 2013, 1004, 161-170.	0.9	15
68	Whi2 signals low leucine availability to halt yeast growth and cell death. FEMS Yeast Research, 2018, 18, .	2.3	14
69	Controlling caspase activity in life and death. PLoS Genetics, 2017, 13, e1006545.	3.5	14
70	The N-terminal helix of Bcl-xL targets mitochondria. Mitochondrion, 2013, 13, 119-124.	3.4	13
71	Cyclin' on the viral path to destruction. Nature Cell Biology, 2000, 2, E203-E204.	10.3	11
72	Regulation of Cell Death in the Lymphoid System by Bcl-2 Family Proteins. Acta Haematologica, 2004, 111, 42-55.	1.4	11

#	Article	IF	Citations
73	Yeast cell death pathway requiring AP-3 vesicle trafficking leads to vacuole/lysosome membrane permeabilization. Cell Reports, 2022, 39, 110647.	6.4	11
74	Comment on â€œSterilizing immunity in the lung relies on targeting fungal apoptosis-like programmed cell deathâ€• Science, 2018, 360, .	12.6	10
75	Cell death in genome evolution. Seminars in Cell and Developmental Biology, 2015, 39, 3-11.	5.0	8
76	The Dark Side of Estrogen Stops Translation to Induce Apoptosis. Molecular Cell, 2019, 75, 1087-1089.	9.7	8
77	Noncanonical Functions of BCL-2 Proteins in the Nervous System. Advances in Experimental Medicine and Biology, 2010, 687, 115-129.	1.6	7
78	Bcl-2 turns deadly. Nature Chemical Biology, 2008, 4, 722-723.	8.0	6
79	Unlatched BAX Pairs for Death. Cell, 2013, 152, 383-384.	28.9	5
80	Neuronal Apoptosis Pathways in Sindbis Virus Encephalitis. Progress in Molecular and Subcellular Biology, 2004, 36, 71-93.	1.6	5
81	In Vivo Biosensor Tracks Non-apoptotic Caspase Activity in Drosophila. Journal of Visualized Experiments, 2016, , .	0.3	4
82	Flying to a halt. Cell Cycle, 2011, 10, 1350-1351.	2.6	1
83	Apoptosis: the extrinsic pathway. , 0, , 353-366.		1