

Jerry E Chipuk

List of Publications by Year in descending order

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89
papers

18,538
citations

57681

46
h-index

60403

85
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97
all docs

97
docs citations

97
times ranked

29441
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Direct Activation of Bax by p53 Mediates Mitochondrial Membrane Permeabilization and Apoptosis. <i>Science</i> , 2004, 303, 1010-1014.	6.0	2,143
3	The BCL-2 Family Reunion. <i>Molecular Cell</i> , 2010, 37, 299-310.	4.5	1,295
4	BH3 Domains of BH3-Only Proteins Differentially Regulate Bax-Mediated Mitochondrial Membrane Permeabilization Both Directly and Indirectly. <i>Molecular Cell</i> , 2005, 17, 525-535.	4.5	1,065
5	Chemical Inhibition of the Mitochondrial Division Dynamin Reveals Its Role in Bax/Bak-Dependent Mitochondrial Outer Membrane Permeabilization. <i>Developmental Cell</i> , 2008, 14, 193-204.	3.1	992
6	How do BCL-2 proteins induce mitochondrial outer membrane permeabilization?. <i>Trends in Cell Biology</i> , 2008, 18, 157-164.	3.6	839
7	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
8	PUMA Couples the Nuclear and Cytoplasmic Proapoptotic Function of p53. <i>Science</i> , 2005, 309, 1732-1735.	6.0	500
9	Mitochondrial outer membrane permeabilization during apoptosis: the innocent bystander scenario. <i>Cell Death and Differentiation</i> , 2006, 13, 1396-1402.	5.0	491
10	Dissecting p53-dependent apoptosis. <i>Cell Death and Differentiation</i> , 2006, 13, 994-1002.	5.0	395
11	Sphingolipid Metabolism Cooperates with BAK and BAX to Promote the Mitochondrial Pathway of Apoptosis. <i>Cell</i> , 2012, 148, 988-1000.	13.5	377
12	GM-CSF Controls Nonlymphoid Tissue Dendritic Cell Homeostasis but Is Dispensable for the Differentiation of Inflammatory Dendritic Cells. <i>Immunity</i> , 2012, 36, 1031-1046.	6.6	365
13	Mitochondrial Division Is Requisite to RAS-Induced Transformation and Targeted by Oncogenic MAPK Pathway Inhibitors. <i>Molecular Cell</i> , 2015, 57, 521-536.	4.5	310
14	Pharmacologic activation of p53 elicits Bax-dependent apoptosis in the absence of transcription. <i>Cancer Cell</i> , 2003, 4, 371-381.	7.7	289
15	Do inducers of apoptosis trigger caspase-independent cell death?. <i>Nature Reviews Molecular Cell Biology</i> , 2005, 6, 268-275.	16.1	287
16	Connected to Death: The (Unexpurgated) Mitochondrial Pathway of Apoptosis. <i>Science</i> , 2005, 310, 66-67.	6.0	255
17	Dietary Intake Regulates the Circulating Inflammatory Monocyte Pool. <i>Cell</i> , 2019, 178, 1102-1114.e17.	13.5	254
18	p53 and Metabolism: Inside the TIGAR. <i>Cell</i> , 2006, 126, 30-32.	13.5	218

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19	Mechanism of apoptosis induction by inhibition of the anti-apoptotic BCL-2 proteins. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20327-20332.	3.3	204
20	The Androgen Receptor Represses Transforming Growth Factor- β 2 Signaling through Interaction with Smad3. Journal of Biological Chemistry, 2002, 277, 1240-1248.	1.6	178
21	Mitochondrial Shape Governs BAX-Induced Membrane Permeabilization and Apoptosis. Molecular Cell, 2015, 57, 69-82.	4.5	174
22	Mitochondrial dynamics as regulators of cancer biology. Cellular and Molecular Life Sciences, 2017, 74, 1999-2017.	2.4	166
23	Lymphatic endothelial S1P promotes mitochondrial function and survival in naive T cells. Nature, 2017, 546, 158-161.	13.7	153
24	PUMA binding induces partial unfolding within BCL-xL to disrupt p53 binding and promote apoptosis. Nature Chemical Biology, 2013, 9, 163-168.	3.9	150
25	PB1-F2 Proteins from H5N1 and 20th Century Pandemic Influenza Viruses Cause Immunopathology. PLoS Pathogens, 2010, 6, e1001014.	2.1	142
26	BH3 Domains other than Bim and Bid Can Directly Activate Bax/Bak. Journal of Biological Chemistry, 2011, 286, 491-501.	1.6	139
27	Mitochondrial Fission in Human Diseases. Handbook of Experimental Pharmacology, 2016, 240, 159-188.	0.9	123
28	Physiological and Pharmacological Control of BAK, BAX, and Beyond. Trends in Cell Biology, 2016, 26, 906-917.	3.6	120
29	Mitochondrial metabolism in hematopoietic stem cells requires functional FOXO 3. EMBO Reports, 2015, 16, 1164-1176.	2.0	109
30	Mitochondrial Outer Membrane Proteins Assist Bid in Bax-mediated Lipidic Pore Formation. Molecular Biology of the Cell, 2009, 20, 2276-2285.	0.9	107
31	The deadly landscape of pro-apoptotic BCL-2 proteins in the outer mitochondrial membrane. FEBS Journal, 2016, 283, 2676-2689.	2.2	101
32	PUMA cooperates with direct activator proteins to promote mitochondrial outer membrane permeabilization and apoptosis. Cell Cycle, 2009, 8, 2692-2696.	1.3	93
33	The Role of BH3-Only Proteins in Tumor Cell Development, Signaling, and Treatment. Genes and Cancer, 2011, 2, 523-537.	0.6	92
34	Bcl-xL Blocks Transforming Growth Factor- β 1-induced Apoptosis by Inhibiting Cytochrome c Release and Not by Directly Antagonizing Apaf-1-dependent Caspase Activation in Prostate Epithelial Cells. Journal of Biological Chemistry, 2001, 276, 26614-26621.	1.6	91
35	Inducible Nitric Oxide Synthase Drives mTOR Pathway Activation and Proliferation of Human Melanoma by Reversible Nitrosylation of TSC2. Cancer Research, 2014, 74, 1067-1078.	0.4	86
36	Pin1-Induced Proline Isomerization in Cytosolic p53 Mediates BAX Activation and Apoptosis. Molecular Cell, 2015, 59, 677-684.	4.5	84

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37	p53's believe it or not: lessons on transcription-independent death. <i>Journal of Clinical Immunology</i> , 2003, 23, 355-361.	2.0	72
38	Death upon a Kiss: Mitochondrial Outer Membrane Composition and Organelle Communication Govern Sensitivity to BAK/BAX-Dependent Apoptosis. <i>Chemistry and Biology</i> , 2014, 21, 114-123.	6.2	68
39	Disruption of mitochondrial electron transport chain function potentiates the pro-apoptotic effects of MAPK inhibition. <i>Journal of Biological Chemistry</i> , 2017, 292, 11727-11739.	1.6	59
40	RAF/MEK/extracellular signal-related kinase pathway suppresses dendritic cell migration and traps dendritic cells in Langerhans cell histiocytosis lesions. <i>Journal of Experimental Medicine</i> , 2018, 215, 319-336.	4.2	58
41	Putting the pieces together: How is the mitochondrial pathway of apoptosis regulated in cancer and chemotherapy?. <i>Cancer & Metabolism</i> , 2014, 2, 16.	2.4	55
42	Robust high-throughput kinetic analysis of apoptosis with real-time high-content live-cell imaging. <i>Cell Death and Disease</i> , 2016, 7, e2493-e2493.	2.7	55
43	Anti-apoptotic BCL-2 proteins govern cellular outcome following B-RAFV600E inhibition and can be targeted to reduce resistance. <i>Oncogene</i> , 2015, 34, 857-867.	2.6	52
44	Cytoplasmic p53: bax and forward. <i>Cell Cycle</i> , 2004, 3, 429-31.	1.3	51
45	Stabbed in the BAX. <i>Nature</i> , 2008, 455, 1047-1049.	13.7	49
46	BAK/BAX activation and cytochrome c release assays using isolated mitochondria. <i>Methods</i> , 2013, 61, 146-155.	1.9	49
47	BAK activation is necessary and sufficient to drive ceramide synthase-dependent ceramide accumulation following inhibition of BCL2-like proteins. <i>Biochemical Journal</i> , 2013, 452, 111-119.	1.7	49
48	Activation of the Mitochondrial Fragmentation Protein DRP1 Correlates with BRAF V600E Melanoma. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2544-2547.	0.3	48
49	MDM2 Integrates Cellular Respiration and Apoptotic Signaling through NDUFS1 and the Mitochondrial Network. <i>Molecular Cell</i> , 2019, 74, 452-465.e7.	4.5	43
50	Born to be Alive: A Role for the BCL-2 Family in Melanoma Tumor Cell Survival, Apoptosis, and Treatment. <i>Frontiers in Oncology</i> , 2011, 1, .	1.3	42
51	Genetically defining the mechanism of Puma- and Bim-induced apoptosis. <i>Cell Death and Differentiation</i> , 2012, 19, 642-649.	5.0	38
52	Getting away with murder: how does the BCL-2 family of proteins kill with immunity?. <i>Annals of the New York Academy of Sciences</i> , 2013, 1285, 59-79.	1.8	34
53	PPARdelta activation induces metabolic and contractile maturation of human pluripotent stem cell-derived cardiomyocytes. <i>Cell Stem Cell</i> , 2022, 29, 559-576.e7.	5.2	34
54	Activation of Nrf2 Is Required for Normal and ChREBP- Augmented Glucose-Stimulated β -Cell Proliferation. <i>Diabetes</i> , 2018, 67, 1561-1575.	0.3	31

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55	Mitochondrial origins of fractional control in regulated cell death. <i>Nature Communications</i> , 2019, 10, 1313.	5.8	30
56	How do I kill thee? Let me count the ways: p53 regulates <sc>PARP</sc>â€ dependent necrosis. <i>BioEssays</i> , 2014, 36, 46-51.	1.2	28
57	B Cell Lymphoma-2 (BCL-2) Homology Domain 3 (BH3) Mimetics Demonstrate Differential Activities Dependent upon the Functional Repertoire of Pro- and Anti-apoptotic BCL-2 Family Proteins. <i>Journal of Biological Chemistry</i> , 2014, 289, 26481-26491.	1.6	28
58	Mechanistic connections between mitochondrial biology and regulated cell death. <i>Developmental Cell</i> , 2021, 56, 1221-1233.	3.1	25
59	Pivotal role for the ubiquitin Y59-E51 loop in lysine 48 polyubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8434-8439.	3.3	24
60	Survival of HER2-Positive Breast Cancer Cells: Receptor Signaling to Apoptotic Control Centers. <i>Genes and Cancer</i> , 2013, 4, 187-195.	0.6	23
61	Sensitization to the mitochondrial pathway of apoptosis augments melanoma tumor cell responses to conventional chemotherapeutic regimens. <i>Cell Death and Disease</i> , 2012, 3, e420-e420.	2.7	22
62	Dual suppression of inner and outer mitochondrial membrane functions augments apoptotic responses to oncogenic MAPK inhibition. <i>Cell Death and Disease</i> , 2018, 9, 29.	2.7	21
63	Examining BCL-2 Family Function with Large Unilamellar Vesicles. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	19
64	Preclinical Pharmacological Evaluation of a Novel Multiple Kinase Inhibitor, ON123300, in Brain Tumor Models. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1105-1116.	1.9	19
65	Immune biomarkers are more accurate in prediction of survival in ulcerated than in non-ulcerated primary melanomas. <i>Cancer Immunology, Immunotherapy</i> , 2015, 64, 1193-1203.	2.0	18
66	Mitochondrial localization and moderated activity are key to murine erythroid enucleation. <i>Blood Advances</i> , 2021, 5, 2490-2504.	2.5	16
67	IFN- γ ³ + cytotoxic CD4+ T lymphocytes are involved in the pathogenesis of colitis induced by IL-23 and the food colorant Red 40. , 2022, 19, 777-790.		16
68	FBXW 7 regulates a mitochondrial transcription program by modulating MITF. <i>Pigment Cell and Melanoma Research</i> , 2018, 31, 636-640.	1.5	13
69	Single-Cell and Population-Level Analyses Using Real-Time Kinetic Labeling Couples Proliferation and Cell Death Mechanisms. <i>Developmental Cell</i> , 2019, 51, 277-291.e4.	3.1	13
70	MDM2 and mitochondrial function: One complex intersection. <i>Biochemical Pharmacology</i> , 2019, 162, 14-20.	2.0	13
71	Late-onset megaconial myopathy in mice lacking group I Paks. <i>Skeletal Muscle</i> , 2019, 9, 5.	1.9	12
72	BCL-2 proteins: melanoma lives on the edge. <i>Oncoscience</i> , 2015, 2, 729-730.	0.9	11

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73	Mouse Liver Mitochondria Isolation, Size Fractionation, and Real-time MOMP Measurement. Bio-protocol, 2016, 6, .	0.2	7
74	T cell-derived tumor necrosis factor induces cytotoxicity by activating RIPK1-dependent target cell death. JCI Insight, 2021, 6, .	2.3	7
75	Identification and Characterization of A Novel Rat Ov-Serpin Family Member, Trespin. Journal of Biological Chemistry, 2002, 277, 26412-26421.	1.6	6
76	Inter-organellar communication with mitochondria regulates both the intrinsic and extrinsic pathways of apoptosis. Communicative and Integrative Biology, 2013, 6, e22872.	0.6	6
77	Repeated hypoglycemia remodels neural inputs and disrupts mitochondrial function to blunt glucose-inhibited GHRH neuron responsiveness. JCI Insight, 2020, 5, .	2.3	6
78	Cell Biology: ERADicating Survival with BOK. Current Biology, 2016, 26, R473-R476.	1.8	4
79	A kinetic fluorescence polarization ligand assay for monitoring BAX early activation. Cell Reports Methods, 2022, 2, 100174.	1.4	4
80	Think We Understand the Role of DRP1 in Mitochondrial Biology? Zinc Again!. Molecular Cell, 2019, 73, 197-198.	4.5	3
81	FLAMBE: A kinetic fluorescence polarization assay to study activation of monomeric BAX. STAR Protocols, 2022, 3, 101252.	0.5	3
82	The peroxisomes strike BAK: Regulation of peroxisome integrity by the Bcl-2 family. Journal of Cell Biology, 2017, 216, 547-549.	2.3	2
83	Mitochondrial Isolation and Real-Time Monitoring of MOMP. Methods in Molecular Biology, 2019, 1877, 121-130.	0.4	2
84	High-Throughput Cell Death Assays with Single-Cell and Population-Level Analyses Using Real-Time Kinetic Labeling (SPARKL). STAR Protocols, 2020, 1, 100034.	0.5	1
85	Complex I and MDM2: hit me baby one more time. Molecular and Cellular Oncology, 2019, 6, 1607457.	0.3	0
86	Why not add some SPARKL to your life (and death)!?. Molecular and Cellular Oncology, 2020, 7, 1685841.	0.3	0
87	Mitochondrial Dynamics and Stress Signaling in Cancer. , 0, , .		0
88	A Kinetic Fluorescence Polarization Ligand Assay for Monitoring BAX Early-Activation. SSRN Electronic Journal, 0, , .	0.4	0
89	Abstract 375: Origins of fractional control in regulated cell death. , 2018, , .		0