

Joseph T Opferman

List of Publications by Year in descending order

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83
papers

10,413
citations

71004

43
h-index

68831

81
g-index

86
all docs

86
docs citations

86
times ranked

16663
citing authors

#	ARTICLE	IF	CITATIONS
1	BAX and BAK Regulation of Endoplasmic Reticulum Ca ²⁺ : A Control Point for Apoptosis. <i>Science</i> , 2003, 300, 135-139.	6.0	1,322
2	NIX is required for programmed mitochondrial clearance during reticulocyte maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19500-19505.	3.3	768
3	Development and maintenance of B and T lymphocytes requires antiapoptotic MCL-1. <i>Nature</i> , 2003, 426, 671-676.	13.7	708
4	Obligate Role of Anti-Apoptotic MCL-1 in the Survival of Hematopoietic Stem Cells. <i>Science</i> , 2005, 307, 1101-1104.	6.0	510
5	Gene expression-based chemical genomics identifies rapamycin as a modulator of MCL1 and glucocorticoid resistance. <i>Cancer Cell</i> , 2006, 10, 331-342.	7.7	475
6	Apoptosis in the development and maintenance of the immune system. <i>Nature Immunology</i> , 2003, 4, 410-415.	7.0	438
7	Proapoptotic BAX and BAK regulate the type 1 inositol trisphosphate receptor and calcium leak from the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 105-110.	3.3	399
8	Anti-apoptotic MCL-1 localizes to the mitochondrial matrix and couples mitochondrial fusion to respiration. <i>Nature Cell Biology</i> , 2012, 14, 575-583.	4.6	347
9	Linear Differentiation of Cytotoxic Effectors into Memory T Lymphocytes. <i>Science</i> , 1999, 283, 1745-1748.	6.0	339
10	GM1-Ganglioside Accumulation at the Mitochondria-Associated ER Membranes Links ER Stress to Ca ²⁺ -Dependent Mitochondrial Apoptosis. <i>Molecular Cell</i> , 2009, 36, 500-511.	4.5	257
11	Anti-apoptotic BCL-2 family members in development. <i>Cell Death and Differentiation</i> , 2018, 25, 37-45.	5.0	243
12	LC3-Associated Phagocytosis in Myeloid Cells Promotes Tumor Immune Tolerance. <i>Cell</i> , 2018, 175, 429-441.e16.	13.5	242
13	Hax1-mediated processing of HtrA2 by Parl allows survival of lymphocytes and neurons. <i>Nature</i> , 2008, 452, 98-102.	13.7	219
14	Deletion of MCL-1 causes lethal cardiac failure and mitochondrial dysfunction. <i>Genes and Development</i> , 2013, 27, 1351-1364.	2.7	203
15	Delving deeper: MCL-1's contributions to normal and cancer biology. <i>Trends in Cell Biology</i> , 2013, 23, 22-29.	3.6	196
16	Multiple signaling pathways promote B lymphocyte stimulator-dependent B-cell growth and survival. <i>Blood</i> , 2008, 111, 750-760.	0.6	178
17	Long-term T cell memory requires the surface expression of self-peptide/major histocompatibility complex molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3065-3070.	3.3	170
18	Mcl-1 Is a Key Regulator of Apoptosis during CNS Development and after DNA Damage. <i>Journal of Neuroscience</i> , 2008, 28, 6068-6078.	1.7	166

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19	MCL-1 is a stress sensor that regulates autophagy in a developmentally regulated manner. <i>EMBO Journal</i> , 2011, 30, 395-407.	3.5	159
20	Venetoclax and Navitoclax in Combination with Chemotherapy in Patients with Relapsed or Refractory Acute Lymphoblastic Leukemia and Lymphoblastic Lymphoma. <i>Cancer Discovery</i> , 2021, 11, 1440-1453.	7.7	137
21	Knockout of myeloid cell leukemia-1 induces liver damage and increases apoptosis susceptibility of murine hepatocytes. <i>Hepatology</i> , 2009, 49, 627-636.	3.6	130
22	A Competitive Stapled Peptide Screen Identifies a Selective Small Molecule that Overcomes MCL-1-Dependent Leukemia Cell Survival. <i>Chemistry and Biology</i> , 2012, 19, 1175-1186.	6.2	128
23	Myeloid-Derived Suppressor Activity Is Mediated by Monocytic Lineages Maintained by Continuous Inhibition of Extrinsic and Intrinsic Death Pathways. <i>Immunity</i> , 2014, 41, 947-959.	6.6	121
24	A pivotal role for Mcl-1 in Bortezomib-induced apoptosis. <i>Oncogene</i> , 2008, 27, 721-731.	2.6	114
25	Proapoptotic BAX and BAK control multiple initiator caspases. <i>EMBO Reports</i> , 2005, 6, 379-385.	2.0	113
26	Regulation of endoplasmic reticulum Ca ²⁺ dynamics by proapoptotic BCL-2 family members. <i>Biochemical Pharmacology</i> , 2003, 66, 1335-1340.	2.0	111
27	Selective roles for antiapoptotic MCL-1 during granulocyte development and macrophage effector function. <i>Blood</i> , 2009, 113, 2805-2815.	0.6	108
28	Ubiquitin-Independent Degradation of Antiapoptotic MCL-1. <i>Molecular and Cellular Biology</i> , 2010, 30, 3099-3110.	1.1	108
29	Hepatocyte-specific deletion of the antiapoptotic protein myeloid cell leukemia-1 triggers proliferation and hepatocarcinogenesis in mice. <i>Hepatology</i> , 2010, 51, 1226-1236.	3.6	106
30	Attacking cancer's Achilles heel: antagonism of antiapoptotic BCL-2 family members. <i>FEBS Journal</i> , 2016, 283, 2661-2675.	2.2	104
31	Apoptosis in the development of the immune system. <i>Cell Death and Differentiation</i> , 2008, 15, 234-242.	5.0	102
32	Mcl1 haploinsufficiency protects mice from Myc-induced acute myeloid leukemia. <i>Journal of Clinical Investigation</i> , 2010, 120, 2109-2118.	3.9	101
33	Venetoclax in combination with cytarabine with or without idarubicin in children with relapsed or refractory acute myeloid leukaemia: a phase 1, dose-escalation study. <i>Lancet Oncology</i> , The, 2020, 21, 551-560.	5.1	92
34	Specific Recognition of Thymic Self-Peptides Induces the Positive Selection of Cytotoxic T Lymphocytes. <i>Immunity</i> , 1997, 7, 221-231.	6.6	89
35	Unraveling MCL-1 degradation. <i>Cell Death and Differentiation</i> , 2006, 13, 1260-1262.	5.0	82
36	Requirement for antiapoptotic MCL-1 in the survival of BCR-ABL B-lineage acute lymphoblastic leukemia. <i>Blood</i> , 2013, 122, 1587-1598.	0.6	82

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37	MCL-1-dependent leukemia cells are more sensitive to chemotherapy than BCL-2-dependent counterparts. <i>Journal of Cell Biology</i> , 2009, 187, 429-442.	2.3	81
38	Serine protease inhibitor 2A is a protective factor for memory T cell development. <i>Nature Immunology</i> , 2004, 5, 919-926.	7.0	79
39	A Role for the Granzyme B Inhibitor Serine Protease Inhibitor 6 in CD8+Memory Cell Homeostasis. <i>Journal of Immunology</i> , 2004, 173, 3801-3809.	0.4	61
40	BH3 profiling discriminates on-target small molecule BH3 mimetics from putative mimetics. <i>Cell Death and Differentiation</i> , 2020, 27, 999-1007.	5.0	54
41	Mito-protective autophagy is impaired in erythroid cells of aged mtDNA-mutator mice. <i>Blood</i> , 2015, 125, 162-174.	0.6	53
42	Discovery and biological characterization of potent myeloid cell leukemia-1 inhibitors. <i>FEBS Letters</i> , 2017, 591, 240-251.	1.3	49
43	Life and death during hematopoietic differentiation. <i>Current Opinion in Immunology</i> , 2007, 19, 497-502.	2.4	46
44	Dynamic Regulation of Long-Chain Fatty Acid Oxidation by a Noncanonical Interaction between the MCL-1 BH3 Helix and VLCAD. <i>Molecular Cell</i> , 2018, 69, 729-743.e7.	4.5	45
45	Mcl-1 antagonizes Bax/Bak to promote effector CD4+ and CD8+ T-cell responses. <i>Cell Death and Differentiation</i> , 2013, 20, 998-1007.	5.0	44
46	Discovery of Potent Myeloid Cell Leukemia-1 (Mcl-1) Inhibitors That Demonstrate in Vivo Activity in Mouse Xenograft Models of Human Cancer. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3971-3988.	2.9	44
47	Expression of apoptosis inhibitor protein Mcl1 linked to neuroprotection in CNS neurons. <i>Cell Death and Differentiation</i> , 2004, 11, 1223-1233.	5.0	43
48	Functional Divergence in the Role of N-Linked Glycosylation in Smoothed Signaling. <i>PLoS Genetics</i> , 2015, 11, e1005473.	1.5	40
49	Genetically defining the mechanism of Puma- and Bim-induced apoptosis. <i>Cell Death and Differentiation</i> , 2012, 19, 642-649.	5.0	38
50	Extra-mitochondrial prosurvival BCL-2 proteins regulate gene transcription by inhibiting the SUFU tumour suppressor. <i>Nature Cell Biology</i> , 2017, 19, 1226-1236.	4.6	38
51	Antagonism between MCL-1 and PLUMA governs stem/progenitor cell survival during hematopoietic recovery from stress. <i>Blood</i> , 2015, 125, 3273-3280.	0.6	36
52	Mcl-1 regulates the survival of adult neural precursor cells. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 439-447.	1.0	35
53	Mcl-1 and Bcl-xL are essential for survival of the developing nervous system. <i>Cell Death and Differentiation</i> , 2019, 26, 1501-1515.	5.0	35
54	Contracting the "mus cells" does downsize suit us for diving into the memory pool?. <i>Immunological Reviews</i> , 2010, 236, 54-67.	2.8	31

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55	Defining specificity and on-target activity of BH3-mimetics using engineered B-ALL cell lines. <i>Oncotarget</i> , 2016, 7, 11500-11511.	0.8	30
56	Targeting Mcl-1 for multiple myeloma (MM) therapy: Drug-induced generation of Mcl-1 fragment Mcl-1128â€“350 triggers MM cell death via c-Jun upregulation. <i>Cancer Letters</i> , 2014, 343, 286-294.	3.2	29
57	Mcl-1 is a key regulator of the ovarian reserve. <i>Cell Death and Disease</i> , 2015, 6, e1755-e1755.	2.7	28
58	Endocytosis and degradation of bovine apo- and holo-lactoferrin by isolated rat hepatocytes are mediated by recycling calcium-dependent binding sites. <i>Biochemistry</i> , 1993, 32, 13749-13760.	1.2	27
59	Mcl1 regulates the terminal mitosis of neural precursor cells in the mammalian brain through p27Kip1. <i>Development (Cambridge)</i> , 2013, 140, 3118-3127.	1.2	26
60	Mcl-1 confers protection of Her2-positive breast cancer cells to hypoxia: therapeutic implications. <i>Breast Cancer Research</i> , 2016, 18, 26.	2.2	25
61	Suicide induced by cytolytic activity controls the differentiation of memory CD8+ T lymphocytes. <i>International Immunology</i> , 2001, 13, 411-419.	1.8	24
62	Translational research? Ribosome integrity and a new p53 tumor suppressor checkpoint. <i>Cell Death and Differentiation</i> , 2006, 13, 898-901.	5.0	24
63	Modulation of Navitoclax Sensitivity by Dihydroartemisinin-Mediated MCL-1 Repression in BCR-ABL+ B-Lineage Acute Lymphoblastic Leukemia. <i>Clinical Cancer Research</i> , 2017, 23, 7558-7568.	3.2	23
64	Affinity of thymic self-peptides for the TCR determines the selection of CD8+ T lymphocytes in the thymus. <i>International Immunology</i> , 2000, 12, 1353-1363.	1.8	19
65	A critical role for NF- κ B transcription factors in the development of CD8+ memory-phenotype T cells. <i>Immunology Letters</i> , 2003, 85, 297-300.	1.1	19
66	Requirement for antiapoptotic MCL-1 during early erythropoiesis. <i>Blood</i> , 2021, 137, 1945-1958.	0.6	17
67	Prolyl Hydroxylase 3 Attenuates MCL-1â€“Mediated ATP Production to Suppress the Metastatic Potential of Colorectal Cancer Cells. <i>Cancer Research</i> , 2016, 76, 2219-2230.	0.4	16
68	Rationally derived drug combinations with the novel Mcl-1 inhibitor EU-5346 in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2019, 173, 585-596.	1.1	14
69	DUB-Ie Trouble for Cell Survival. <i>Cancer Cell</i> , 2010, 17, 117-119.	7.7	10
70	Memory T lymphocytes. <i>Cellular and Molecular Life Sciences</i> , 1999, 56, 69-77.	2.4	9
71	Small mitochondrial Arf (smArf) protein corrects p53-independent developmental defects of <i>Arf</i> tumor suppressor-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7420-7425.	3.3	9
72	Apoptosome activation, an important molecular instigator in 6-mercaptopurine induced Leydig cell death. <i>Scientific Reports</i> , 2015, 5, 16488.	1.6	8

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73	The Heme-Regulated Inhibitor Pathway Modulates Susceptibility of Poor Prognosis B-Lineage Acute Leukemia to BH3-Mimetics. <i>Molecular Cancer Research</i> , 2021, 19, 636-650.	1.5	8
74	Identification of substituted 5-membered heterocyclic compounds as potential anti-leukemic agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 164, 391-398.	2.6	7
75	Studies of Jatrogossone A as a Reactive Oxygen Species Inducer in Cancer Cellular Models. <i>Journal of Natural Products</i> , 2019, 82, 1301-1311.	1.5	5
76	What Keeps a Resting T Cell Alive?. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1999, 64, 383-388.	2.0	5
77	Male sterility in Mcl-1-flox mice is not due to enhanced Mcl1 protein stability. <i>Cell Death and Disease</i> , 2016, 7, e2490-e2490.	2.7	3
78	Safety and activity of venetoclax in combination with high-dose cytarabine in children with relapsed or refractory acute myeloid leukemia.. <i>Journal of Clinical Oncology</i> , 2019, 37, 10004-10004.	0.8	3
79	The Role of Mcl-1 in Embryonic Neural Precursor Cell Apoptosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 659531.	1.8	2
80	Conserved Transcriptional Deregulation Underlies GF11 and ELANE Mutant Neutropenia. <i>Blood</i> , 2011, 118, 13-13.	0.6	1
81	Activity of venetoclax against relapsed acute undifferentiated leukemia. <i>Cancer</i> , 2021, 127, 2608-2611.	2.0	0
82	MCL-1-dependent leukemia cells are more sensitive to chemotherapy than BCL-2-dependent counterparts. <i>Journal of Experimental Medicine</i> , 2009, 206, i27-i27.	4.2	0
83	Targeting Mcl-1 for Multiple Myeloma (MM) Therapy: Drug-Induced Generation of Mcl-1 Fragment Mcl-1128-350 Triggers MM Cell Death Via c-Jun Upregulation. <i>Blood</i> , 2012, 120, 3959-3959.	0.6	0