

Joseph T Opferman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

8,852

citations

41

h-index

86

g-index

86

ext. papers

9,737

ext. citations

12.3

avg, IF

5.97

L-index

#	Paper	IF	Citations
83	BAX and BAK regulation of endoplasmic reticulum Ca ²⁺ : a control point for apoptosis. <i>Science</i> , 2003 , 300, 135-9	33.3	1204
82	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, 19500-5	11.5	664
81	Development and maintenance of B and T lymphocytes requires antiapoptotic MCL-1. <i>Nature</i> , 2003 , 426, 671-6	50.4	652
80	Obligate role of anti-apoptotic MCL-1 in the survival of hematopoietic stem cells. <i>Science</i> , 2005 , 307, 1101-4	33.3	458
79	Gene expression-based chemical genomics identifies rapamycin as a modulator of MCL1 and glucocorticoid resistance. <i>Cancer Cell</i> , 2006 , 10, 331-42	24.3	422
78	Apoptosis in the development and maintenance of the immune system. <i>Nature Immunology</i> , 2003 , 4, 410-5	19.1	397
77	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, 105-10	11.5	373
76	Linear differentiation of cytotoxic effectors into memory T lymphocytes. <i>Science</i> , 1999 , 283, 1745-8	33.3	319
75	Anti-apoptotic MCL-1 localizes to the mitochondrial matrix and couples mitochondrial fusion to respiration. <i>Nature Cell Biology</i> , 2012 , 14, 575-83	23.4	288
74	GM1-ganglioside accumulation at the mitochondria-associated ER membranes links ER stress to Ca ²⁺ -dependent mitochondrial apoptosis. <i>Molecular Cell</i> , 2009 , 36, 500-11	17.6	217
73	Hax1-mediated processing of Htra2 by Parl allows survival of lymphocytes and neurons. <i>Nature</i> , 2008 , 452, 98-102	50.4	196
72	Delving deeper: MCL-1's contributions to normal and cancer biology. <i>Trends in Cell Biology</i> , 2013 , 23, 22-9	18.3	172
71	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, 3065-70	11.5	155
70	Multiple signaling pathways promote B lymphocyte stimulator dependent B-cell growth and survival. <i>Blood</i> , 2008 , 111, 750-60	2.2	149
69	LC3-Associated Phagocytosis in Myeloid Cells Promotes Tumor Immune Tolerance. <i>Cell</i> , 2018 , 175, 429-441	46.2	1649
68	Mcl-1 is a key regulator of apoptosis during CNS development and after DNA damage. <i>Journal of Neuroscience</i> , 2008 , 28, 6068-78	6.6	146
67	MCL-1 is a stress sensor that regulates autophagy in a developmentally regulated manner. <i>EMBO Journal</i> , 2011 , 30, 395-407	13	139

66	Anti-apoptotic BCL-2 family members in development. <i>Cell Death and Differentiation</i> , 2018 , 25, 37-45	12.7	139
65	Deletion of MCL-1 causes lethal cardiac failure and mitochondrial dysfunction. <i>Genes and Development</i> , 2013 , 27, 1351-64	12.6	137
64	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, 1175-86		117
63	Knockout of myeloid cell leukemia-1 induces liver damage and increases apoptosis susceptibility of murine hepatocytes. <i>Hepatology</i> , 2009 , 49, 627-36	11.2	111
62	A pivotal role for Mcl-1 in Bortezomib-induced apoptosis. <i>Oncogene</i> , 2008 , 27, 721-31	9.2	106
61	Myeloid-derived suppressor activity is mediated by monocytic lineages maintained by continuous inhibition of extrinsic and intrinsic death pathways. <i>Immunity</i> , 2014 , 41, 947-59	32.3	101
60	Proapoptotic BAX and BAK control multiple initiator caspases. <i>EMBO Reports</i> , 2005 , 6, 379-85	6.5	101
59	Ubiquitin-independent degradation of antiapoptotic MCL-1. <i>Molecular and Cellular Biology</i> , 2010 , 30, 3099-110	4.8	98
58	Regulation of endoplasmic reticulum Ca ²⁺ dynamics by proapoptotic BCL-2 family members. <i>Biochemical Pharmacology</i> , 2003 , 66, 1335-40	6	93
57	Selective roles for antiapoptotic MCL-1 during granulocyte development and macrophage effector function. <i>Blood</i> , 2009 , 113, 2805-15	2.2	92
56	Hepatocyte-specific deletion of the antiapoptotic protein myeloid cell leukemia-1 triggers proliferation and hepatocarcinogenesis in mice. <i>Hepatology</i> , 2010 , 51, 1226-36	11.2	88
55	Apoptosis in the development of the immune system. <i>Cell Death and Differentiation</i> , 2008 , 15, 234-42	12.7	86
54	Specific recognition of thymic self-peptides induces the positive selection of cytotoxic T lymphocytes. <i>Immunity</i> , 1997 , 7, 221-31	32.3	84
53	Attacking cancer's Achilles heel: antagonism of anti-apoptotic BCL-2 family members. <i>FEBS Journal</i> , 2016 , 283, 2661-75	5.7	83
52	Mcl1 haploinsufficiency protects mice from Myc-induced acute myeloid leukemia. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2109-18	15.9	81
51	Unraveling MCL-1 degradation. <i>Cell Death and Differentiation</i> , 2006 , 13, 1260-2	12.7	78
50	MCL-1-dependent leukemia cells are more sensitive to chemotherapy than BCL-2-dependent counterparts. <i>Journal of Cell Biology</i> , 2009 , 187, 429-42	7.3	76
49	Serine protease inhibitor 2A is a protective factor for memory T cell development. <i>Nature Immunology</i> , 2004 , 5, 919-26	19.1	72

48	Requirement for antiapoptotic MCL-1 in the survival of BCR-ABL B-lineage acute lymphoblastic leukemia. <i>Blood</i> , 2013 , 122, 1587-98	2.2	65
47	A role for the granzyme B inhibitor serine protease inhibitor 6 in CD8+ memory cell homeostasis. <i>Journal of Immunology</i> , 2004 , 173, 3801-9	5.3	58
46	Discovery and biological characterization of potent myeloid cell leukemia-1 inhibitors. <i>FEBS Letters</i> , 2017 , 591, 240-251	3.8	44
45	Mito-protective autophagy is impaired in erythroid cells of aged mtDNA-mutator mice. <i>Blood</i> , 2015 , 125, 162-74	2.2	43
44	Life and death during hematopoietic differentiation. <i>Current Opinion in Immunology</i> , 2007 , 19, 497-502	7.8	43
43	Expression of apoptosis inhibitor protein Mcl1 linked to neuroprotection in CNS neurons. <i>Cell Death and Differentiation</i> , 2004 , 11, 1223-33	12.7	42
42	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	24.4	39
41	BH3 profiling discriminates on-target small molecule BH3 mimetics from putative mimetics. <i>Cell Death and Differentiation</i> , 2020 , 27, 999-1007	12.7	38
40	Mcl-1 antagonizes Bax/Bak to promote effector CD4(+) and CD8(+) T-cell responses. <i>Cell Death and Differentiation</i> , 2013 , 20, 998-1007	12.7	36
39	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> , 2020 , 21, 551-560	21.7	34
38	Genetically defining the mechanism of Puma- and Bim-induced apoptosis. <i>Cell Death and Differentiation</i> , 2012 , 19, 642-9	12.7	34
37	Mcl-1 regulates the survival of adult neural precursor cells. <i>Molecular and Cellular Neurosciences</i> , 2012 , 49, 439-47	4.8	32
36	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	8.3	31
35	Functional Divergence in the Role of N-Linked Glycosylation in Smoothed Signaling. <i>PLoS Genetics</i> , 2015 , 11, e1005473	6	31
34	Extra-mitochondrial prosurvival BCL-2 proteins regulate gene transcription by inhibiting the SUFU tumour suppressor. <i>Nature Cell Biology</i> , 2017 , 19, 1226-1236	23.4	29
33	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	17.6	29
32	Antagonism between MCL-1 and PUMA governs stem/progenitor cell survival during hematopoietic recovery from stress. <i>Blood</i> , 2015 , 125, 3273-80	2.2	27
31	Contracting the sinus cells—does down-sizing suit us for diving into the memory pool?. <i>Immunological Reviews</i> , 2010 , 236, 54-67	11.3	27

30	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, 13749-60	3.2	25
29	Translational research? Ribosome integrity and a new p53 tumor suppressor checkpoint. <i>Cell Death and Differentiation</i> , 2006 , 13, 898-901	12.7	24
28	Targeting Mcl-1 for multiple myeloma (MM) therapy: drug-induced generation of Mcl-1 fragment Mcl-1(128-350) triggers MM cell death via c-Jun upregulation. <i>Cancer Letters</i> , 2014 , 343, 286-94	9.9	23
27	Suicide induced by cytolytic activity controls the differentiation of memory CD8(+) T lymphocytes. <i>International Immunology</i> , 2001 , 13, 411-9	4.9	23
26	Mcl-1 and Bcl-xL are essential for survival of the developing nervous system. <i>Cell Death and Differentiation</i> , 2019 , 26, 1501-1515	12.7	22
25	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	12.9	21
24	Mcl1 regulates the terminal mitosis of neural precursor cells in the mammalian brain through p27Kip1. <i>Development (Cambridge)</i> , 2013 , 140, 3118-27	6.6	21
23	Mcl-1 is a key regulator of the ovarian reserve. <i>Cell Death and Disease</i> , 2015 , 6, e1755	9.8	20
22	Defining specificity and on-target activity of BH3-mimetics using engineered B-ALL cell lines. <i>Oncotarget</i> , 2016 , 7, 11500-11	3.3	19
21	A critical role for NF-kappaB transcription factors in the development of CD8+ memory-phenotype T cells. <i>Immunology Letters</i> , 2003 , 85, 297-300	4.1	18
20	Affinity of thymic self-peptides for the TCR determines the selection of CD8(+) T lymphocytes in the thymus. <i>International Immunology</i> , 2000 , 12, 1353-63	4.9	17
19	Mcl-1 confers protection of Her2-positive breast cancer cells to hypoxia: therapeutic implications. <i>Breast Cancer Research</i> , 2016 , 18, 26	8.3	16
18	Prolyl Hydroxylase 3 Attenuates MCL-1-Mediated ATP Production to Suppress the Metastatic Potential of Colorectal Cancer Cells. <i>Cancer Research</i> , 2016 , 76, 2219-30	10.1	14
17	DUB-le Trouble for Cell Survival. <i>Cancer Cell</i> , 2010 , 17, 117-9	24.3	10
16	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	4.4	9
15	Small mitochondrial Arf (smArf) protein corrects p53-independent developmental defects of tumor suppressor-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7420-7425	11.5	8
14	Memory T lymphocytes. <i>Cellular and Molecular Life Sciences</i> , 1999 , 56, 69-77	10.3	6
13	Identification of substituted 5-membered heterocyclic compounds as potential anti-leukemic agents. <i>European Journal of Medicinal Chemistry</i> , 2019 , 164, 391-398	6.8	6

12	What keeps a resting T cell alive?. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1999 , 64, 383-7	3.9	4
11	Requirement for antiapoptotic MCL-1 during early erythropoiesis. <i>Blood</i> , 2021 , 137, 1945-1958	2.2	4
10	Studies of Jatrogossone A as a Reactive Oxygen Species Inducer in Cancer Cellular Models. <i>Journal of Natural Products</i> , 2019 , 82, 1301-1311	4.9	3
9	Apoptosome activation, an important molecular instigator in 6-mercaptopurine induced Leydig cell death. <i>Scientific Reports</i> , 2015 , 5, 16488	4.9	3
8	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	6.6	3
7	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	2.2	2
6	Male sterility in Mcl-1-flox mice is not due to enhanced Mcl1 protein stability. <i>Cell Death and Disease</i> , 2016 , 7, e2490	9.8	2
5	Conserved Transcriptional Deregulation Underlies GF11 and ELANE Mutant Neutropenia. <i>Blood</i> , 2011 , 118, 13-13	2.2	1
4	The Role of Mcl-1 in Embryonic Neural Precursor Cell Apoptosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 659531	5.7	0
3	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	16.6	
2	Targeting Mcl-1 for Multiple Myeloma (MM) Therapy: Drug-Induced Generation of Mcl-1 Fragment Mcl-1128-150 Triggers MM Cell Death Via c- Jun Upregulation. <i>Blood</i> , 2012 , 120, 3959-3959	2.2	
1	Activity of venetoclax against relapsed acute undifferentiated leukemia. <i>Cancer</i> , 2021 , 127, 2608-2611	6.4	