Joseph T Opferman

List of Publications by Year in Descending Order

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	The Role of Mcl-1 in Embryonic Neural Precursor Cell Apoptosis. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 659531	5.7	0
82	Requirement for antiapoptotic MCL-1 during early erythropoiesis. *Blood*, **2021**, 137, 1945-1958	2.2	4
81	Activity of venetoclax against relapsed acute undifferentiated leukemia. *Cancer*, **2021**, 127, 2608-2611	6.4	
80	The Heme-Regulated Inhibitor Pathway Modulates Susceptibility of Poor Prognosis B-Lineage Acute Leukemia to BH3-Mimetics. *Molecular Cancer Research*, **2021**, 19, 636-650	6.6	3
79	Venetoclax and Navitoclax in Combination with Chemotherapy in Patients with Relapsed or Refractory Acute Lymphoblastic Leukemia and Lymphoblastic Lymphoma. *Cancer Discovery*, **2021**, 11, 1440-1453	24.4	39
78	Venetoclax in combination with cytarabine with or without idarubicin in children with relapsed or refractory acute myeloid leukaemia: a phase 1, dose-escalation study. *Lancet Oncology, The*, **2020**, 21, 551-560	21.7	34
77	BH3 profiling discriminates on-target small molecule BH3 mimetics from putative mimetics. *Cell Death and Differentiation*, **2020**, 27, 999-1007	12.7	38
76	Studies of Jatrogossone A as a Reactive Oxygen Species Inducer in Cancer Cellular Models. *Journal of Natural Products*, **2019**, 82, 1301-1311	4.9	3
75	Discovery of Potent Myeloid Cell Leukemia-1 (Mcl-1) Inhibitors That Demonstrate in Vivo Activity in Mouse Xenograft Models of Human Cancer. *Journal of Medicinal Chemistry*, **2019**, 62, 3971-3988	8.3	31
74	Safety and activity of venetoclax in combination with high-dose cytarabine in children with relapsed or refractory acute myeloid leukemia.. *Journal of Clinical Oncology*, **2019**, 37, 10004-10004	2.2	2
73	Identification of substituted 5-membered heterocyclic compounds as potential anti-leukemic agents. *European Journal of Medicinal Chemistry*, **2019**, 164, 391-398	6.8	6
72	Mcl-1 and Bcl-xL are essential for survival of the developing nervous system. *Cell Death and Differentiation*, **2019**, 26, 1501-1515	12.7	22
71	Rationally derived drug combinations with the novel Mcl-1 inhibitor EU-5346 in breast cancer. *Breast Cancer Research and Treatment*, **2019**, 173, 585-596	4.4	9
70	Dynamic Regulation of Long-Chain Fatty Acid Oxidation by a Noncanonical Interaction between the MCL-1 BH3 Helix and VLCAD. *Molecular Cell*, **2018**, 69, 729-743.e7	17.6	29
69	Anti-apoptotic BCL-2 family members in development. *Cell Death and Differentiation*, **2018**, 25, 37-45	12.7	139
68	LC3-Associated Phagocytosis in Myeloid Cells Promotes Tumor Immune Tolerance. *Cell*, **2018**, 175, 429-441.e16	36.2	149
67	Modulation of Navitoclax Sensitivity by Dihydroartemisinin-Mediated MCL-1 Repression in BCR-ABL B-Lineage Acute Lymphoblastic Leukemia. *Clinical Cancer Research*, **2017**, 23, 7558-7568	12.9	21

66	Extra-mitochondrial prosurvival BCL-2 proteins regulate gene transcription by inhibiting the SUFU tumour suppressor. *Nature Cell Biology*, **2017**, 19, 1226-1236	23.4	29
65	Small mitochondrial Arf (smArf) protein corrects p53-independent developmental defects of tumor suppressor-deficient mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7420-7425	11.5	8
64	Discovery and biological characterization of potent myeloid cell leukemia-1 inhibitors. *FEBS Letters*, **2017**, 591, 240-251	3.8	44
63	Prolyl Hydroxylase 3 Attenuates MCL-1-Mediated ATP Production to Suppress the Metastatic Potential of Colorectal Cancer Cells. *Cancer Research*, **2016**, 76, 2219-30	10.1	14
62	Mcl-1 confers protection of Her2-positive breast cancer cells to hypoxia: therapeutic implications. *Breast Cancer Research*, **2016**, 18, 26	8.3	16
61	Defining specificity and on-target activity of BH3-mimetics using engineered B-ALL cell lines. *Oncotarget*, **2016**, 7, 11500-11	3.3	19
60	Male sterility in Mcl-1-flox mice is not due to enhanced Mcl1 protein stability. *Cell Death and Disease*, **2016**, 7, e2490	9.8	2
59	Attacking cancer's Achilles heel: antagonism of anti-apoptotic BCL-2 family members. *FEBS Journal*, **2016**, 283, 2661-75	5.7	83
58	Mito-protective autophagy is impaired in erythroid cells of aged mtDNA-mutator mice. *Blood*, **2015**, 125, 162-74	2.2	43
57	Antagonism between MCL-1 and PUMA governs stem/progenitor cell survival during hematopoietic recovery from stress. *Blood*, **2015**, 125, 3273-80	2.2	27
56	Apoptosome activation, an important molecular instigator in 6-mercaptopurine induced Leydig cell death. *Scientific Reports*, **2015**, 5, 16488	4.9	3
55	Functional Divergence in the Role of N-Linked Glycosylation in Smoothened Signaling. *PLoS Genetics*, **2015**, 11, e1005473	6	31
54	Mcl-1 is a key regulator of the ovarian reserve. *Cell Death and Disease*, **2015**, 6, e1755	9.8	20
53	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. *Cancer Letters*, **2014**, 343, 286-94	9.9	23
52	Myeloid-derived suppressor activity is mediated by monocytic lineages maintained by continuous inhibition of extrinsic and intrinsic death pathways. *Immunity*, **2014**, 41, 947-59	32.3	101
51	Deletion of MCL-1 causes lethal cardiac failure and mitochondrial dysfunction. *Genes and Development*, **2013**, 27, 1351-64	12.6	137
50	Delving deeper: MCL-1's contributions to normal and cancer biology. *Trends in Cell Biology*, **2013**, 23, 22-9	18.3	172
49	Mcl-1 antagonizes Bax/Bak to promote effector CD4(+) and CD8(+) T-cell responses. *Cell Death and Differentiation*, **2013**, 20, 998-1007	12.7	36

48	Mcl1 regulates the terminal mitosis of neural precursor cells in the mammalian brain through p27Kip1. *Development (Cambridge)*, **2013**, 140, 3118-27	6.6	21
47	Requirement for antiapoptotic MCL-1 in the survival of BCR-ABL B-lineage acute lymphoblastic leukemia. *Blood*, **2013**, 122, 1587-98	2.2	65
46	Anti-apoptotic MCL-1 localizes to the mitochondrial matrix and couples mitochondrial fusion to respiration. *Nature Cell Biology*, **2012**, 14, 575-83	23.4	288
45	A competitive stapled peptide screen identifies a selective small molecule that overcomes MCL-1-dependent leukemia cell survival. *Chemistry and Biology*, **2012**, 19, 1175-86		117
44	Mcl-1 regulates the survival of adult neural precursor cells. *Molecular and Cellular Neurosciences*, **2012**, 49, 439-47	4.8	32
43	Genetically defining the mechanism of Puma- and Bim-induced apoptosis. *Cell Death and Differentiation*, **2012**, 19, 642-9	12.7	34
42	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. *Blood*, **2012**, 120, 3959-3959	2.2	
41	MCL-1 is a stress sensor that regulates autophagy in a developmentally regulated manner. *EMBO Journal*, **2011**, 30, 395-407	13	139
40	Conserved Transcriptional Deregulation Underlies GFI1 and ELANE Mutant Neutropenia. *Blood*, **2011**, 118, 13-13	2.2	1
39	Contracting the memory cells-does down-sizing suit us for diving into the memory pool?. *Immunological Reviews*, **2010**, 236, 54-67	11.3	27
38	Ubiquitin-independent degradation of antiapoptotic MCL-1. *Molecular and Cellular Biology*, **2010**, 30, 3099-110	4.8	98
37	DUB-le Trouble for Cell Survival. *Cancer Cell*, **2010**, 17, 117-9	24.3	10
36	Hepatocyte-specific deletion of the antiapoptotic protein myeloid cell leukemia-1 triggers proliferation and hepatocarcinogenesis in mice. *Hepatology*, **2010**, 51, 1226-36	11.2	88
35	Mcl1 haploinsufficiency protects mice from Myc-induced acute myeloid leukemia. *Journal of Clinical Investigation*, **2010**, 120, 2109-18	15.9	81
34	MCL-1-dependent leukemia cells are more sensitive to chemotherapy than BCL-2-dependent counterparts. *Journal of Cell Biology*, **2009**, 187, 429-42	7.3	76
33	Knockout of myeloid cell leukemia-1 induces liver damage and increases apoptosis susceptibility of murine hepatocytes. *Hepatology*, **2009**, 49, 627-36	11.2	111
32	GM1-ganglioside accumulation at the mitochondria-associated ER membranes links ER stress to Ca(2+)-dependent mitochondrial apoptosis. *Molecular Cell*, **2009**, 36, 500-11	17.6	217
31	Selective roles for antiapoptotic MCL-1 during granulocyte development and macrophage effector function. *Blood*, **2009**, 113, 2805-15	2.2	92

30	MCL-1‐dependent leukemia cells are more sensitive to chemotherapy than BCL-2‐dependent counterparts. *Journal of Experimental Medicine*, **2009**, 206, i27-i27	16.6	
29	Hax1-mediated processing of HtrA2 by Parl allows survival of lymphocytes and neurons. *Nature*, **2008**, 452, 98-102	50.4	196
28	A pivotal role for Mcl-1 in Bortezomib-induced apoptosis. *Oncogene*, **2008**, 27, 721-31	9.2	106
27	Apoptosis in the development of the immune system. *Cell Death and Differentiation*, **2008**, 15, 234-42	12.7	86
26	Multiple signaling pathways promote B lymphocyte stimulator dependent B-cell growth and survival. *Blood*, **2008**, 111, 750-60	2.2	149
25	Mcl-1 is a key regulator of apoptosis during CNS development and after DNA damage. *Journal of Neuroscience*, **2008**, 28, 6068-78	6.6	146
24	Life and death during hematopoietic differentiation. *Current Opinion in Immunology*, **2007**, 19, 497-502	7.8	43
23	NIX is required for programmed mitochondrial clearance during reticulocyte maturation. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 19500-5	11.5	664
22	Gene expression-based chemical genomics identifies rapamycin as a modulator of MCL1 and glucocorticoid resistance. *Cancer Cell*, **2006**, 10, 331-42	24.3	422
21	Translational research? Ribosome integrity and a new p53 tumor suppressor checkpoint. *Cell Death and Differentiation*, **2006**, 13, 898-901	12.7	24
20	Unraveling MCL-1 degradation. *Cell Death and Differentiation*, **2006**, 13, 1260-2	12.7	78
19	Proapoptotic BAX and BAK control multiple initiator caspases. *EMBO Reports*, **2005**, 6, 379-85	6.5	101
18	Obligate role of anti-apoptotic MCL-1 in the survival of hematopoietic stem cells. *Science*, **2005**, 307, 1101-4	33.3	458
17	Proapoptotic BAX and BAK regulate the type 1 inositol trisphosphate receptor and calcium leak from the endoplasmic reticulum. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 105-10	11.5	373
16	A role for the granzyme B inhibitor serine protease inhibitor 6 in CD8+ memory cell homeostasis. *Journal of Immunology*, **2004**, 173, 3801-9	5.3	58
15	Serine protease inhibitor 2A is a protective factor for memory T cell development. *Nature Immunology*, **2004**, 5, 919-26	19.1	72
14	Expression of apoptosis inhibitor protein Mcl1 linked to neuroprotection in CNS neurons. *Cell Death and Differentiation*, **2004**, 11, 1223-33	12.7	42
13	Regulation of endoplasmic reticulum Ca2+ dynamics by proapoptotic BCL-2 family members. *Biochemical Pharmacology*, **2003**, 66, 1335-40	6	93

12	A critical role for NF-kappaB transcription factors in the development of CD8+ memory-phenotype T cells. *Immunology Letters*, **2003**, 85, 297-300	4.1	18
11	Development and maintenance of B and T lymphocytes requires antiapoptotic MCL-1. *Nature*, **2003**, 426, 671-6	50.4	652
10	Apoptosis in the development and maintenance of the immune system. *Nature Immunology*, **2003**, 4, 410-5	19.1	397
9	BAX and BAK regulation of endoplasmic reticulum Ca2+: a control point for apoptosis. *Science*, **2003**, 300, 135-9	33.3	1204
8	Suicide induced by cytolytic activity controls the differentiation of memory CD8(+) T lymphocytes. *International Immunology*, **2001**, 13, 411-9	4.9	23
7	Affinity of thymic self-peptides for the TCR determines the selection of CD8(+) T lymphocytes in the thymus. *International Immunology*, **2000**, 12, 1353-63	4.9	17
6	Memory T lymphocytes. *Cellular and Molecular Life Sciences*, **1999**, 56, 69-77	10.3	6
5	Linear differentiation of cytotoxic effectors into memory T lymphocytes. *Science*, **1999**, 283, 1745-8	33.3	319
4	What keeps a resting T cell alive?. *Cold Spring Harbor Symposia on Quantitative Biology*, **1999**, 64, 383-7	3.9	4
3	Long-term T cell memory requires the surface expression of self-peptide/major histocompatibility complex molecules. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 3065-70	11.5	155
2	Specific recognition of thymic self-peptides induces the positive selection of cytotoxic T lymphocytes. *Immunity*, **1997**, 7, 221-31	32.3	84
1	Endocytosis and degradation of bovine apo- and holo-lactoferrin by isolated rat hepatocytes are mediated by recycling calcium-dependent binding sites. *Biochemistry*, **1993**, 32, 13749-60	3.2	25