

Marco J Herold

List of Publications by Citations

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118
papers

5,584
citations

37
h-index

73
g-index

130
ext. papers

7,291
ext. citations

12.3
avg, IF

5.64
L-index

#	Paper	IF	Citations
118	The MCL1 inhibitor S63845 is tolerable and effective in diverse cancer models. <i>Nature</i> , 2016 , 538, 477-482	50.4	617
117	Apoptotic caspases suppress mtDNA-induced STING-mediated type I IFN production. <i>Cell</i> , 2014 , 159, 1549-62	56.2	475
116	How does p53 induce apoptosis and how does this relate to p53-mediated tumour suppression?. <i>Cell Death and Differentiation</i> , 2018 , 25, 104-113	12.7	437
115	Anti-apoptotic Mcl-1 is essential for the development and sustained growth of acute myeloid leukemia. <i>Genes and Development</i> , 2012 , 26, 120-5	12.6	286
114	An inducible lentiviral guide RNA platform enables the identification of tumor-essential genes and tumor-promoting mutations in vivo. <i>Cell Reports</i> , 2015 , 10, 1422-32	10.6	233
113	The transcription factor T-bet is essential for the development of NKp46+ innate lymphocytes via the Notch pathway. <i>Nature Immunology</i> , 2013 , 14, 389-95	19.1	209
112	NLRP3 inflammasome activation downstream of cytoplasmic LPS recognition by both caspase-4 and caspase-5. <i>European Journal of Immunology</i> , 2015 , 45, 2918-26	6.1	177
111	Antiapoptotic Mcl-1 is critical for the survival and niche-filling capacity of Foxp3+ regulatory T cells. <i>Nature Immunology</i> , 2013 , 14, 959-65	19.1	172
110	Glucocorticoids exert opposing effects on macrophage function dependent on their concentration. <i>Immunology</i> , 2007 , 122, 47-53	7.8	143
109	Emerging connectivity of programmed cell death pathways and its physiological implications. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 678-695	48.7	141
108	Inducible and reversible gene silencing by stable integration of an shRNA-encoding lentivirus in transgenic rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18507-12	11.5	128
107	Targeting of MCL-1 kills MYC-driven mouse and human lymphomas even when they bear mutations in p53. <i>Genes and Development</i> , 2014 , 28, 58-70	12.6	121
106	Synergistic action of the MCL-1 inhibitor S63845 with current therapies in preclinical models of triple-negative and HER2-amplified breast cancer. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	112
105	Mutations that prevent caspase cleavage of RIPK1 cause autoinflammatory disease. <i>Nature</i> , 2020 , 577, 103-108	50.4	110
104	Hierarchy for targeting prosurvival BCL2 family proteins in multiple myeloma: pivotal role of MCL1. <i>Blood</i> , 2016 , 128, 1834-1844	2.2	105
103	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
102	BCL-XL and MCL-1 are the key BCL-2 family proteins in melanoma cell survival. <i>Cell Death and Disease</i> , 2019 , 10, 342	9.8	81

101	Maximal killing of lymphoma cells by DNA damage-inducing therapy requires not only the p53 targets Puma and Noxa, but also Bim. <i>Blood</i> , 2010 , 116, 5256-67	2.2	76
100	Reduced expression of the mevalonate pathway enzyme farnesyl pyrophosphate synthase unveils recognition of tumor cells by Vgamma9Vdelta2 T cells. <i>Journal of Immunology</i> , 2009 , 182, 8118-24	5.3	75
99	VDAC2 enables BAX to mediate apoptosis and limit tumor development. <i>Nature Communications</i> , 2018 , 9, 4976	17.4	73
98	DNA repair processes are critical mediators of p53-dependent tumor suppression. <i>Nature Medicine</i> , 2018 , 24, 947-953	50.5	69
97	Anti-apoptotic proteins BCL-2, MCL-1 and A1 summate collectively to maintain survival of immune cell populations both in vitro and in vivo. <i>Cell Death and Differentiation</i> , 2017 , 24, 878-888	12.7	62
96	PEGylation of interferon α improves lymphatic exposure after subcutaneous and intravenous administration and improves antitumour efficacy against lymphatic breast cancer metastases. <i>Journal of Controlled Release</i> , 2013 , 168, 200-8	11.7	58
95	The BH3-only proteins Bim and Puma cooperate to impose deletional tolerance of organ-specific antigens. <i>Immunity</i> , 2012 , 37, 451-62	32.3	55
94	Computationally designed high specificity inhibitors delineate the roles of BCL2 family proteins in cancer. <i>ELife</i> , 2016 , 5,	8.9	52
93	DR5 and caspase-8 are dispensable in ER stress-induced apoptosis. <i>Cell Death and Differentiation</i> , 2017 , 24, 944-950	12.7	51
92	A non-canonical function of Ezh2 preserves immune homeostasis. <i>EMBO Reports</i> , 2017 , 18, 619-631	6.5	49
91	Modeling Breast Cancer Using CRISPR-Cas9-Mediated Engineering of Human Breast Organoids. <i>Journal of the National Cancer Institute</i> , 2020 , 112, 540-544	9.7	49
90	Humanized mice enable accurate preclinical evaluation of MCL-1 inhibitors destined for clinical use. <i>Blood</i> , 2018 , 132, 1573-1583	2.2	49
89	The stability and anti-apoptotic function of A1 are controlled by its C terminus. <i>Journal of Biological Chemistry</i> , 2006 , 281, 13663-13671	5.4	46
88	Mitochondria-dependent caspase-9 activation is necessary for antigen receptor-mediated effector caspase activation and apoptosis in WEHI 231 lymphoma cells. <i>Journal of Immunology</i> , 2002 , 168, 3902-953	5.3	45
87	Mutually exclusive regulation of T cell survival by IL-7R and antigen receptor-induced signals. <i>Nature Communications</i> , 2013 , 4, 1735	17.4	43
86	Flexible Usage and Interconnectivity of Diverse Cell Death Pathways Protect against Intracellular Infection. <i>Immunity</i> , 2020 , 53, 533-547.e7	32.3	42
85	Targeting antiapoptotic A1/Bfl-1 by in vivo RNAi reveals multiple roles in leukocyte development in mice. <i>Blood</i> , 2012 , 119, 6032-42	2.2	41
84	Loss of NF-B1 Causes Gastric Cancer with Aberrant Inflammation and Expression of Immune Checkpoint Regulators in a STAT-1-Dependent Manner. <i>Immunity</i> , 2018 , 48, 570-583.e8	32.3	39

83	Prosurvival Bcl-2 family members reveal a distinct apoptotic identity between conventional and plasmacytoid dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4044-9	11.5	39
82	Characterisation of mice lacking all functional isoforms of the pro-survival BCL-2 family member A1 reveals minor defects in the haematopoietic compartment. <i>Cell Death and Differentiation</i> , 2017 , 24, 534-545	12.7	38
81	A1/Bfl-1 in leukocyte development and cell death. <i>Experimental Cell Research</i> , 2012 , 318, 1291-303	4.2	37
80	Synergistic targeting of breast cancer stem-like cells by human Γ T cells and CD8 T cells. <i>Immunology and Cell Biology</i> , 2017 , 95, 620-629	5	33
79	Single-Cell Transcriptomics Identifies the Adaptation of Scart1 ∇ T Cells to Skin Residency as Activated Effector Cells. <i>Cell Reports</i> , 2019 , 27, 3657-3671.e4	10.6	33
78	Dual Targeting of CDK4/6 and BCL2 Pathways Augments Tumor Response in Estrogen Receptor-Positive Breast Cancer. <i>Clinical Cancer Research</i> , 2020 , 26, 4120-4134	12.9	29
77	Combination of IAP antagonist and IFN α activates novel caspase-10- and RIPK1-dependent cell death pathways. <i>Cell Death and Differentiation</i> , 2017 , 24, 481-491	12.7	27
76	Transcription Factor PU.1 Promotes Conventional Dendritic Cell Identity and Function via Induction of Transcriptional Regulator DC-SCRIPT. <i>Immunity</i> , 2019 , 50, 77-90.e5	32.3	26
75	Therapeutic Response to Non-genotoxic Activation of p53 by Nutlin3a Is Driven by PUMA-Mediated Apoptosis in Lymphoma Cells. <i>Cell Reports</i> , 2016 , 14, 1858-66	10.6	25
74	Foxo-mediated Bim transcription is dispensable for the apoptosis of hematopoietic cells that is mediated by this BH3-only protein. <i>EMBO Reports</i> , 2013 , 14, 992-8	6.5	25
73	Acid sphingomyelinase is required for protection of effector memory T cells against glucocorticoid-induced cell death. <i>Journal of Immunology</i> , 2011 , 187, 4509-16	5.3	25
72	MDM4 is a rational target for treating breast cancers with mutant p53. <i>Journal of Pathology</i> , 2017 , 241, 661-670	9.4	24
71	The NK cell granule protein NKG7 regulates cytotoxic granule exocytosis and inflammation. <i>Nature Immunology</i> , 2020 , 21, 1205-1218	19.1	24
70	BET inhibition represses miR17-92 to drive BIM-initiated apoptosis of normal and transformed hematopoietic cells. <i>Leukemia</i> , 2016 , 30, 1531-41	10.7	22
69	TRIM17 and TRIM28 antagonistically regulate the ubiquitination and anti-apoptotic activity of BCL2A1. <i>Cell Death and Differentiation</i> , 2019 , 26, 902-917	12.7	22
68	Impact of conditional deletion of the pro-apoptotic BCL-2 family member BIM in mice. <i>Cell Death and Disease</i> , 2014 , 5, e1446	9.8	21
67	The BCL-2 pro-survival protein A1 is dispensable for T cell homeostasis on viral infection. <i>Cell Death and Differentiation</i> , 2017 , 24, 523-533	12.7	19
66	Loss of p53 Causes Stochastic Aberrant X-Chromosome Inactivation and Female-Specific Neural Tube Defects. <i>Cell Reports</i> , 2019 , 27, 442-454.e5	10.6	19

65	MARCH1-mediated ubiquitination of MHC II impacts the MHC I antigen presentation pathway. <i>PLoS ONE</i> , 2018 , 13, e0200540	3.7	19
64	Activation of the MAP kinase pathway induces apoptosis in the Merkel cell carcinoma cell line UIISO. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 2116-22	4.3	19
63	ROCK1 but not LIMK1 or PAK2 is a key regulator of apoptotic membrane blebbing and cell disassembly. <i>Cell Death and Differentiation</i> , 2020 , 27, 102-116	12.7	19
62	GM-CSF Quantity Has a Selective Effect on Granulocytic vs. Monocytic Myeloid Development and Function. <i>Frontiers in Immunology</i> , 2018 , 9, 1922	8.4	19
61	An update on using CRISPR/Cas9 in the one-cell stage mouse embryo for generating complex mutant alleles. <i>Cell Death and Differentiation</i> , 2017 , 24, 1821-1822	12.7	18
60	Hepatocyte growth factor renders BRAF mutant human melanoma cell lines resistant to PLX4032 by downregulating the pro-apoptotic BH3-only proteins PUMA and BIM. <i>Cell Death and Differentiation</i> , 2016 , 23, 2054-2062	12.7	18
59	The combination of reduced MCL-1 and standard chemotherapeutics is tolerable in mice. <i>Cell Death and Differentiation</i> , 2017 , 24, 2032-2043	12.7	17
58	CD8+ T cell help is required for efficient induction of EAE in Lewis rats. <i>Journal of Neuroimmunology</i> , 2013 , 260, 17-27	3.5	16
57	Proliferation arrest in B-Raf mutant melanoma cell lines upon MAPK pathway activation. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 406-14	4.3	16
56	Foxp1 Is Indispensable for Ductal Morphogenesis and Controls the Exit of Mammary Stem Cells from Quiescence. <i>Developmental Cell</i> , 2018 , 47, 629-644.e8	10.2	16
55	Characterisation of a novel A1-specific monoclonal antibody. <i>Cell Death and Disease</i> , 2014 , 5, e1553	9.8	14
54	Characterisation of mice lacking the inflammatory caspases-1/11/12 reveals no contribution of caspase-12 to cell death and sepsis. <i>Cell Death and Differentiation</i> , 2019 , 26, 1124-1137	12.7	14
53	Coordinated repression of BIM and PUMA by Epstein-Barr virus latent genes maintains the survival of Burkitt lymphoma cells. <i>Cell Death and Differentiation</i> , 2018 , 25, 241-254	12.7	13
52	Pro-apoptotic BIM is an essential initiator of physiological endothelial cell death independent of regulation by FOXO3. <i>Cell Death and Differentiation</i> , 2014 , 21, 1687-95	12.7	13
51	Using CRISPR/Cas9 Technology for Manipulating Cell Death Regulators. <i>Methods in Molecular Biology</i> , 2016 , 1419, 253-64	1.4	13
50	Anti-apoptotic A1 is not essential for lymphoma development in E μ -Myc mice but helps sustain transplanted E μ -Myc tumour cells. <i>Cell Death and Differentiation</i> , 2018 , 25, 797-808	12.7	12
49	CRISPR/Cas9: A tool for immunological research. <i>European Journal of Immunology</i> , 2018 , 48, 576-583	6.1	12
48	RAG-induced DNA lesions activate proapoptotic BIM to suppress lymphomagenesis in p53-deficient mice. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2039-48	16.6	12

47	Potent efficacy of MCL-1 inhibitor-based therapies in preclinical models of mantle cell lymphoma. <i>Oncogene</i> , 2020 , 39, 2009-2023	9.2	12
46	The ubiquitylation of IL-1 β limits its cleavage by caspase-1 and targets it for proteasomal degradation. <i>Nature Communications</i> , 2021 , 12, 2713	17.4	12
45	EBV BCL-2 homologue BHRF1 drives chemoresistance and lymphomagenesis by inhibiting multiple cellular pro-apoptotic proteins. <i>Cell Death and Differentiation</i> , 2020 , 27, 1554-1568	12.7	12
44	An Erg-driven transcriptional program controls B cell lymphopoiesis. <i>Nature Communications</i> , 2020 , 11, 3013	17.4	11
43	Clearance of measles virus from persistently infected cells by short hairpin RNA. <i>Journal of Virology</i> , 2009 , 83, 9423-31	6.6	11
42	Silencing of the mineralocorticoid receptor by ribonucleic acid interference in transgenic rats disrupts endocrine homeostasis. <i>Molecular Endocrinology</i> , 2008 , 22, 1304-11		11
41	TREML4 receptor regulates inflammation and innate immune cell death during polymicrobial sepsis. <i>Nature Immunology</i> , 2020 , 21, 1585-1596	19.1	9
40	PRMT1-mediated H4R3me2a recruits SMARCA4 to promote colorectal cancer progression by enhancing EGFR signaling. <i>Genome Medicine</i> , 2021 , 13, 58	14.4	9
39	The transcription factor IRF4 represses proapoptotic BMF and BIM to licence multiple myeloma survival. <i>Leukemia</i> , 2021 , 35, 2114-2118	10.7	8
38	Glucocorticoid-induced apoptosis in animal models of multiple sclerosis. <i>Critical Reviews in Immunology</i> , 2013 , 33, 183-202	1.8	7
37	Evidence against upstream regulation of the unfolded protein response (UPR) by pro-apoptotic BIM and PUMA. <i>Cell Death and Disease</i> , 2014 , 5, e1354	9.8	7
36	A point mutation in the signal peptide impairs the development of innate lymphoid cell subsets. <i>Oncolmmunology</i> , 2018 , 7, e1475875	7.2	7
35	HBO1 (KAT7) Does Not Have an Essential Role in Cell Proliferation, DNA Replication, or Histone 4 Acetylation in Human Cells. <i>Molecular and Cellular Biology</i> , 2020 , 40,	4.8	6
34	Stable silencing of the glucocorticoid receptor in myelin-specific T effector cells by retroviral delivery of shRNA: insight into neuroinflammatory disease. <i>European Journal of Immunology</i> , 2009 , 39, 2361-70	6.1	6
33	Therapeutic blockade of CXCR2 rapidly clears inflammation in arthritis and atopic dermatitis models: demonstration with surrogate and humanized antibodies. <i>MAbs</i> , 2020 , 12, 1856460	6.6	6
32	Interferon- β primes macrophages for pathogen ligand-induced killing via a caspase-8 and mitochondrial cell death pathway.. <i>Immunity</i> , 2022 ,	32.3	5
31	Acquired Mutations in BAX Confer Resistance to BH3 Mimetics in Acute Myeloid Leukemia. <i>Blood</i> , 2020 , 136, 7-8	2.2	5
30	DNA-binding of the Tet-transactivator curtails antigen-induced lymphocyte activation in mice. <i>Nature Communications</i> , 2017 , 8, 1028	17.4	4

29	Mining the Plasma Cell Transcriptome for Novel Cell Surface Proteins. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	4
28	Critical cancer vulnerabilities identified by unbiased CRISPR/Cas9 screens inform on efficient cancer Immunotherapy. <i>European Journal of Immunology</i> , 2020 , 50, 1871-1884	6.1	4
27	BCL-XL antagonism selectively reduces neutrophil life span within inflamed tissues without causing neutropenia. <i>Blood Advances</i> , 2021 , 5, 2550-2562	7.8	4
26	miR17~92 restrains pro-apoptotic BIM to ensure survival of haematopoietic stem and progenitor cells. <i>Cell Death and Differentiation</i> , 2020 , 27, 1475-1488	12.7	4
25	Macrophage and neutrophil death programs differentially confer resistance to tuberculosis. <i>Immunity</i> , 2021 , 54, 1758-1771.e7	32.3	3
24	Targeting platelets for improved outcome in KRAS-driven lung adenocarcinoma. <i>Oncogene</i> , 2020 , 39, 5177-5186	9.2	2
23	The pro-survival Bcl-2 family member A1 delays spontaneous and FAS ligand-induced apoptosis of activated neutrophils. <i>Cell Death and Disease</i> , 2020 , 11, 474	9.8	2
22	BCL-XL exerts a protective role against anemia caused by radiation-induced kidney damage. <i>EMBO Journal</i> , 2020 , 39, e105561	13	2
21	Characterization of a novel human BFL-1-specific monoclonal antibody. <i>Cell Death and Differentiation</i> , 2020 , 27, 826-828	12.7	2
20	Ptpn2 and KLRG1 regulate the generation and function of tissue-resident memory CD8+ T cells in skin. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	2
19	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
18	A Hypomorphic Model Recapitulates Key Aspects of the Leukodystrophy HBSL. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 625879	6.1	2
17	In vivo genome-editing screen identifies tumor suppressor genes that cooperate with Trp53 loss during mammary tumorigenesis.. <i>Molecular Oncology</i> , 2022 ,	7.9	1
16	BAX requires VDAC2 to mediate apoptosis and to limit tumor development		1
15	miR17~92 is essential for the survival of hematopoietic stem and progenitor cells by restraining pro-apoptotic BIM		1
14	Consequences of Zmat3 loss in c-MYC- and mutant KRAS-driven tumorigenesis. <i>Cell Death and Disease</i> , 2020 , 11, 877	9.8	1
13	Myelodysplasia Syndrome, Clonal Hematopoiesis and Cardiovascular Disease. <i>Cancers</i> , 2021 , 13,	6.6	1
12	Absence of pro-survival A1 has no impact on inflammatory cell survival in vivo during acute lung inflammation and peritonitis. <i>Cell Death and Differentiation</i> , 2021 ,	12.7	1

11	CRISPR base editing applications for identifying cancer-driving mutations. <i>Biochemical Society Transactions</i> , 2021 , 49, 269-280	5.1	1
10	CRISPR 101 - a novel online learning course harnessing innovative ways to teach a complex biomolecular technology.. <i>Essays in Biochemistry</i> , 2022 ,	7.6	1
9	Ubiquitin-like protein 3 (UBL3) is required for MARCH ubiquitination of major histocompatibility complex class II and CD86.. <i>Nature Communications</i> , 2022 , 13, 1934	17.4	1
8	Loss of TRP53 reduces but does not overcome dependency of lymphoma cells on MCL-1.. <i>Cell Death and Differentiation</i> , 2022 ,	12.7	0
7	Removal of BFL-1 sensitises some melanoma cells to killing by BH3 mimetic drugs.. <i>Cell Death and Disease</i> , 2022 , 13, 301	9.8	0
6	It's not over until the FAT lady sings. <i>EMBO Journal</i> , 2014 , 33, 173-5	13	
5	Targeting Control of Cell Cycle Enhances the Activity of Conventional Chemotherapy in Chemotherapy-Resistant Acute Myeloid Leukemia. <i>Blood</i> , 2021 , 138, 2241-2241	2.2	
4	Caspase-2 does not play a critical role in cell death induction and bacterial clearance during Salmonella infection. <i>Cell Death and Differentiation</i> , 2021 , 28, 3371-3373	12.7	
3	Identification of Genetic Pathways Controlling Resistance to Standard Combination Chemotherapy in Acute Myeloid Leukemia. <i>Blood</i> , 2018 , 132, 2771-2771	2.2	
2	Evidence for Mutant p53 Gain-of-Function Effects in Normal Haemopoietic Cells and Myc-Driven Lymphoma. <i>Blood</i> , 2014 , 124, 3589-3589	2.2	
1	Mutant p53 Enhances the Development and Sustained Growth of MYC-Driven Lymphoma and Exerts a Dominant Negative Effect Preferentially Deregulating Pathways for Metabolism and DNA Repair. <i>Blood</i> , 2016 , 128, 1545-1545	2.2	