Walter D Fairlie

List of Publications by Year in Descending Order

104 papers	12,340 citations	45 h-index	107 g-index
107 ext. papers	13,757 ext. citations	9.6 avg, IF	5.32 L-index

#	Paper	IF	Citations
104	Co-Operativity between MYC and BCL-2 Pro-Survival Proteins in Cancer. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
103	A novel BH3-mimetic, AZD0466, targeting BCL-XL and BCL-2 is effective in pre-clinical models of malignant pleural mesothelioma. *Cell Death Discovery*, **2021**, 7, 122	6.9	5
102	BECLIN1: Protein Structure, Function and Regulation. *Cells*, **2021**, 10,	7.9	3
101	The role of BCL-2 family proteins and therapeutic potential of BH3-mimetics in malignant pleural mesothelioma. *Expert Review of Anticancer Therapy*, **2021**, 21, 413-424	3.5	4
100	Influenza A virus infection-induced macroautophagy facilitates MHC class II-restricted endogenous presentation of an immunodominant viral epitope. *FEBS Journal*, **2021**, 288, 3164-3185	5.7	2
99	Optimization of Benzothiazole and Thiazole Hydrazones as Inhibitors of Schistosome BCL-2. *ACS Infectious Diseases*, **2021**, 7, 1143-1163	5.5	0
98	Discovery, development and application of drugs targeting BCL-2 pro-survival proteins in cancer. *Biochemical Society Transactions*, **2021**, 49, 2381-2395	5.1	2
97	Targeting the BCL-2-regulated apoptotic pathway for the treatment of solid cancers. *Biochemical Society Transactions*, **2021**, 49, 2397-2410	5.1	1
96	Crosstalk between apoptosis and autophagy signaling pathways. *International Review of Cell and Molecular Biology*, **2020**, 352, 115-158	6	21
95	Idronoxil as an Anticancer Agent: Activity and Mechanisms. *Current Cancer Drug Targets*, **2020**, 20, 341-354	2.8	4
94	Characterization of a novel human BFL-1-specific monoclonal antibody. *Cell Death and Differentiation*, **2020**, 27, 826-828	12.7	2
93	Diversity in the intrinsic apoptosis pathway of nematodes. *Communications Biology*, **2020**, 3, 478	6.7	0
92	BCL-XL is an actionable target for treatment of malignant pleural mesothelioma. *Cell Death Discovery*, **2020**, 6, 114	6.9	8
91	A small molecule interacts with VDAC2 to block mouse BAK-driven apoptosis. *Nature Chemical Biology*, **2019**, 15, 1057-1066	11.7	16
90	The Structural Biology of Bcl-x. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	25
89	BCL-XL and MCL-1 are the key BCL-2 family proteins in melanoma cell survival. *Cell Death and Disease*, **2019**, 10, 342	9.8	81
88	Structural insights into BCL2 pro-survival protein interactions with the key autophagy regulator BECN1 following phosphorylation by STK4/MST1. *Autophagy*, **2019**, 15, 785-795	10.2	17

87	Mcl-1 and Bcl-x sequestration of Bak confers differential resistance to BH3-only proteins. *Cell Death and Differentiation*, **2018**, 25, 721-734	12.7	33
86	ATF3 Repression of BCL-X Determines Apoptotic Sensitivity to HDAC Inhibitors across Tumor Types. *Clinical Cancer Research*, **2017**, 23, 5573-5584	12.9	31
85	Conversion of Bim-BH3 from Activator to Inhibitor of Bak through Structure-Based Design. *Molecular Cell*, **2017**, 68, 659-672.e9	17.6	34
84	Characterisation of the conformational preference and dynamics of the intrinsically disordered N-terminal region of Beclin 1 by NMR spectroscopy. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2016**, 1864, 1128-1137	4	5
83	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
82	Computationally designed high specificity inhibitors delineate the roles of BCL2 family proteins in cancer. *ELife*, **2016**, 5,	8.9	52
81	MCL-1 inhibition provides a new way to suppress breast cancer metastasis and increase sensitivity to dasatinib. *Breast Cancer Research*, **2016**, 18, 125	8.3	41
80	BAX-BAK1-independent LC3B lipidation by BH3 mimetics is unrelated to BH3 mimetic activity and has only minimal effects on autophagic flux. *Autophagy*, **2016**, 12, 1083-93	10.2	13
79	Physiological restraint of Bak by Bcl-xL is essential for cell survival. *Genes and Development*, **2016**, 30, 1240-50	12.6	29
78	The BECN1 N-terminal domain is intrinsically disordered. *Autophagy*, **2016**, 12, 460-71	10.2	16
77	Hepatocyte growth factor renders BRAF mutant human melanoma cell lines resistant to PLX4032 by downregulating the pro-apoptotic BH3-only proteins PUMA and BIM. *Cell Death and Differentiation*, **2016**, 23, 2054-2062	12.7	18
76	A transgenic mouse model to inducibly target prosurvival Bcl2 proteins with selective BH3 peptides in vivo. *Cell Death and Disease*, **2015**, 6, e1679	9.8	1
75	Residue-Based Preorganization of BH3-Derived Peptides: Modulating Affinity, Selectivity and Proteolytic Susceptibility in Helix Mimics. *ACS Chemical Biology*, **2015**, 10, 1667-75	4.9	35
74	Peptide Foldamers Targeting Intracellular Protein-Protein Interactions with Activity in Living Cells. *Journal of the American Chemical Society*, **2015**, 137, 11365-75	16.4	81
73	Repurposing apoptosis-inducing cancer drugs to treat schistosomiasis. *Future Medicinal Chemistry*, **2015**, 7, 707-11	4.1	7
72	Prosurvival Bcl-2 family members reveal a distinct apoptotic identity between conventional and plasmacytoid dendritic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 4044-9	11.5	39
71	Bid chimeras indicate that most BH3-only proteins can directly activate Bak and Bax, and show no preference for Bak versus Bax. *Cell Death and Disease*, **2015**, 6, e1735	9.8	61
70	Targeting of MCL-1 kills MYC-driven mouse and human lymphomas even when they bear mutations in p53. *Genes and Development*, **2014**, 28, 58-70	12.6	121

69	Apoptosis in schistosomes: toward novel targets for the treatment of schistosomiasis. *Trends in Parasitology*, **2014**, 30, 75-84	6.4	23
68	The functional differences between pro-survival and pro-apoptotic B cell lymphoma 2 (Bcl-2) proteins depend on structural differences in their Bcl-2 homology 3 (BH3) domains. *Journal of Biological Chemistry*, **2014**, 289, 36001-17	5.4	29
67	Characterisation of a novel A1-specific monoclonal antibody. *Cell Death and Disease*, **2014**, 5, e1553	9.8	14
66	Structure-guided rational design of α/β-peptide foldamers with high affinity for BCL-2 family prosurvival proteins. *ChemBioChem*, **2013**, 14, 1564-72	3.8	58
65	Bax crystal structures reveal how BH3 domains activate Bax and nucleate its oligomerization to induce apoptosis. *Cell*, **2013**, 152, 519-31	56.2	402
64	Discovery of potent and selective benzothiazole hydrazone inhibitors of Bcl-XL. *Journal of Medicinal Chemistry*, **2013**, 56, 5514-40	8.3	50
63	Functional genomics approaches in parasitic helminths. *Parasite Immunology*, **2012**, 34, 163-82	2.2	20
62	Structural biology of the intrinsic cell death pathway: what do we know and what is missing?. *Computational and Structural Biotechnology Journal*, **2012**, 1, e201204007	6.8	3
61	Bcl-2, Bcl-x(L), and Bcl-w are not equivalent targets of ABT-737 and navitoclax (ABT-263) in lymphoid and leukemic cells. *Blood*, **2012**, 119, 5807-16	2.2	150
60	Evaluation of diverse α/β backbone patterns for functional α-helix mimicry: analogues of the Bim BH3 domain. *Journal of the American Chemical Society*, **2012**, 134, 315-23	16.4	133
59	Anti-apoptotic Mcl-1 is essential for the development and sustained growth of acute myeloid leukemia. *Genes and Development*, **2012**, 26, 120-5	12.6	286
58	Direct visualization of Bcl-2 family protein interactions using live cell fluorescent protein redistribution assays. *Cell Death and Disease*, **2012**, 3, e288	9.8	10
57	Quinazoline sulfonamides as dual binders of the proteins B-cell lymphoma 2 and B-cell lymphoma extra long with potent proapoptotic cell-based activity. *Journal of Medicinal Chemistry*, **2011**, 54, 1914-26	8.3	55
56	Crystal structure of a BCL-W domain-swapped dimer: implications for the function of BCL-2 family proteins. *Structure*, **2011**, 19, 1467-76	5.2	22
55	Peptide inhibitors of the malaria surface protein, apical membrane antigen 1: identification of key binding residues. *Biopolymers*, **2011**, 95, 354-64	2.2	12
54	Structural basis of Bcl-xL recognition by a BH3-mimetic α/β peptide generated by sequence-based design. *ChemBioChem*, **2011**, 12, 2025-32	3.8	53
53	Mutation to Bax beyond the BH3 domain disrupts interactions with pro-survival proteins and promotes apoptosis. *Journal of Biological Chemistry*, **2011**, 286, 7123-31	5.4	82
52	Discovery and molecular characterization of a Bcl-2-regulated cell death pathway in schistosomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 6999-7003	11.5	45

51	Antibodies specifically targeting a locally misfolded region of tumor associated EGFR. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 5082-7	11.5	55
50	Novel Bcl-2 homology-3 domain-like sequences identified from screening randomized peptide libraries for inhibitors of the pro-survival Bcl-2 proteins. *Journal of Biological Chemistry*, **2009**, 284, 31315-26	5.4	26
49	Conformational changes in Bcl-2 pro-survival proteins determine their capacity to bind ligands. *Journal of Biological Chemistry*, **2009**, 284, 30508-17	5.4	74
48	High-resolution structural characterization of a helical alpha/beta-peptide foldamer bound to the anti-apoptotic protein Bcl-xL. *Angewandte Chemie - International Edition*, **2009**, 48, 4318-22	16.4	133
47	The BH3 mimetic compound, ABT-737, synergizes with a range of cytotoxic chemotherapy agents in chronic lymphocytic leukemia. *Leukemia*, **2009**, 23, 2034-41	10.7	84
46	Membrane-bound Fas ligand only is essential for Fas-induced apoptosis. *Nature*, **2009**, 461, 659-63	50.4	296
45	Structural insights into the protease-like antigen Plasmodium falciparum SERA5 and its noncanonical active-site serine. *Journal of Molecular Biology*, **2009**, 392, 154-65	6.5	31
44	The role of BH3-only protein Bim extends beyond inhibiting Bcl-2-like prosurvival proteins. *Journal of Cell Biology*, **2009**, 186, 355-62	7.3	154
43	The role of BH3-only protein Bim extends beyond inhibiting Bcl-2□ke prosurvival proteins. *Journal of Experimental Medicine*, **2009**, 206, i19-i19	16.6	
42	Structure of the BH3 domains from the p53-inducible BH3-only proteins Noxa and Puma in complex with Mcl-1. *Journal of Molecular Biology*, **2008**, 380, 958-71	6.5	152
41	A novel BH3 ligand that selectively targets Mcl-1 reveals that apoptosis can proceed without Mcl-1 degradation. *Journal of Cell Biology*, **2008**, 180, 341-55	7.3	146
40	Apoptosis is triggered when prosurvival Bcl-2 proteins cannot restrain Bax. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 18081-7	11.5	141
39	Vaccinia virus anti-apoptotic F1L is a novel Bcl-2-like domain-swapped dimer that binds a highly selective subset of BH3-containing death ligands. *Cell Death and Differentiation*, **2008**, 15, 1564-71	12.7	177
38	EGL-1 BH3 mutants reveal the importance of protein levels and target affinity for cell-killing potency. *Cell Death and Differentiation*, **2008**, 15, 1609-18	12.7	10
37	Inhibition of malaria parasite development by a cyclic peptide that targets the vital parasite protein SERA5. *Infection and Immunity*, **2008**, 76, 4332-44	3.7	20
36	(alpha/beta+alpha)-peptide antagonists of BH3 domain/Bcl-x(L) recognition: toward general strategies for foldamer-based inhibition of protein-protein interactions. *Journal of the American Chemical Society*, **2007**, 129, 139-54	16.4	156
35	Tumor-induced anorexia and weight loss are mediated by the TGF-beta superfamily cytokine MIC-1. *Nature Medicine*, **2007**, 13, 1333-40	50.5	357
34	Crystal structure of ABT-737 complexed with Bcl-xL: implications for selectivity of antagonists of the Bcl-2 family. *Cell Death and Differentiation*, **2007**, 14, 1711-3	12.7	216

33	Blocking LIF action in the uterus by using a PEGylated antagonist prevents implantation: a nonhormonal contraceptive strategy. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 19357-62	11.5	78
32	Structural insights into the degradation of Mcl-1 induced by BH3 domains. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 6217-22	11.5	364
31	A structural viral mimic of prosurvival Bcl-2: a pivotal role for sequestering proapoptotic Bax and Bak. *Molecular Cell*, **2007**, 25, 933-42	17.6	110
30	Apoptosis initiated when BH3 ligands engage multiple Bcl-2 homologs, not Bax or Bak. *Science*, **2007**, 315, 856-9	33.3	937
29	CED-4 forms a 2 : 2 heterotetrameric complex with CED-9 until specifically displaced by EGL-1 or CED-13. *Cell Death and Differentiation*, **2006**, 13, 426-34	12.7	21
28	Relaxin and prostaglandin E(2) regulate interleukin 11 during human endometrial stromal cell decidualization. *Journal of Clinical Endocrinology and Metabolism*, **2005**, 90, 3458-65	5.6	67
27	The intracellular chloride ion channel protein CLIC1 undergoes a redox-controlled structural transition. *Journal of Biological Chemistry*, **2004**, 279, 9298-305	5.4	158
26	Affinity maturation of leukemia inhibitory factor and conversion to potent antagonists of signaling. *Journal of Biological Chemistry*, **2004**, 279, 2125-34	5.4	25
25	Macrophage inhibitory cytokine 1 in fetal membranes and amniotic fluid from pregnancies with and without preterm labour and premature rupture of membranes. *Molecular Human Reproduction*, **2003**, 9, 535-40	4.4	20
24	Negative regulation of gp130 signalling mediated through tyrosine-757 is not dependent on the recruitment of SHP2. *Biochemical Journal*, **2003**, 372, 495-502	3.8	16
23	A family of leukemia inhibitory factor-binding peptides that can act as antagonists when conjugated to poly(ethylene glycol). *Biochemistry*, **2003**, 42, 13193-201	3.2	8
22	Antibody-based approach to high-volume genotyping for MIC-1 polymorphism. *BioTechniques*, **2002** , 33, 118-20, 122, 124 passim	2.5	46
21	Anoxia induces macrophage inhibitory cytokine-1 (MIC-1) in glioblastoma cells independently of p53 and HIF-1. *Oncogene*, **2002**, 21, 4212-9	9.2	137
20	Recombinant CLIC1 (NCC27) assembles in lipid bilayers via a pH-dependent two-state process to form chloride ion channels with identical characteristics to those observed in Chinese hamster ovary cells expressing CLIC1. *Journal of Biological Chemistry*, **2002**, 277, 26003-11	5.4	95
19	Concentration in plasma of macrophage inhibitory cytokine-1 and risk of cardiovascular events in women: a nested case-control study. *Lancet, The*, **2002**, 359, 2159-63	40	198
18	A fusion protein system for the recombinant production of short disulfide-containing peptides. *Protein Expression and Purification*, **2002**, 26, 171-8	2	26
17	Expression of growth differentiation factor-15/ macrophage inhibitory cytokine-1 (GDF-15/MIC-1) in the perinatal, adult, and injured rat brain. *Journal of Comparative Neurology*, **2001**, 439, 32-45	3.4	107
16	The propeptide of the transforming growth factor-beta superfamily member, macrophage inhibitory cytokine-1 (MIC-1), is a multifunctional domain that can facilitate protein folding and secretion. *Journal of Biological Chemistry*, **2001**, 276, 16911-8	5.4	36

15	Crystal structure of a soluble form of the intracellular chloride ion channel CLIC1 (NCC27) at 1.4-A resolution. *Journal of Biological Chemistry*, **2001**, 276, 44993-5000	5.4	157
14	Epitope mapping of the transforming growth factor-beta superfamily protein, macrophage inhibitory cytokine-1 (MIC-1): identification of at least five distinct epitope specificities. *Biochemistry*, **2001**, 40, 65-73	3.2	28
13	MIC-1 and other TGF- superfamily members in inflammation **2001**, 1-9		
12	The propeptide of macrophage inhibitory cytokine (MIC-1), a TGF-beta superfamily member, acts as a quality control determinant for correctly folded MIC-1. *EMBO Journal*, **2000**, 19, 2212-20	13	95
11	Expression of a TGF-beta superfamily protein, macrophage inhibitory cytokine-1, in the yeast Pichia pastoris. *Gene*, **2000**, 254, 67-76	3.8	23
10	The transforming growth factor-ss superfamily cytokine macrophage inhibitory cytokine-1 is present in high concentrations in the serum of pregnant women. *Journal of Clinical Endocrinology and Metabolism*, **2000**, 85, 4781-8	5.6	116
9	The Transforming Growth Factor- Superfamily Cytokine Macrophage Inhibitory Cytokine-1 Is Present in High Concentrations in the Serum of Pregnant Women. *Journal of Clinical Endocrinology and Metabolism*, **2000**, 85, 4781-4788	5.6	90
8	Screening procedure for Pichia pastoris clones containing multiple copy gene inserts. *BioTechniques* , **1999**, 26, 1042-4	2.5	8
7	MIC-1 is a novel TGF-beta superfamily cytokine associated with macrophage activation. *Journal of Leukocyte Biology*, **1999**, 65, 2-5	6.5	188
6	MIC-1, a novel macrophage inhibitory cytokine, is a divergent member of the TGF-beta superfamily. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 11514-9	11.5	814
5	The disulphide bond structure of thyroid-stimulating hormone beta-subunit. *Biochemical Journal*, **1996**, 314 (Pt 2), 449-55	3.8	17
4	Contribution of specific disulphide bonds to two epitopes of thyrotropin beta-subunit associated with receptor recognition. *FEBS Journal*, **1996**, 240, 622-7		10
3	Immunochemical characterization of two thyroid-stimulating hormone beta-subunit epitopes. *Biochemical Journal*, **1995**, 308 (Pt 1), 203-10	3.8	11
2	Delineation of tyrosine-containing epitopes within the beta subunit of bovine thyrotropin. *FEBS Journal*, **1995**, 228, 373-80		
1	Delineation of Tyrosine-Containing Epitopes within the beta Subunit of Bovine Thyrotropin. *FEBS Journal*, **1995**, 228, 373-380		8