

# Mark G Hinds

## List of Publications by Year in descending order

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86

papers

6,165

citations

94433

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h-index

69250

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docs citations

95

times ranked

7011

citing authors

#	ARTICLE	IF	CITATIONS
1	Differential Targeting of Prosurvival Bcl-2 Proteins by Their BH3-Only Ligands Allows Complementary Apoptotic Function. <i>Molecular Cell</i> , 2005, 17, 393-403.	9.7	1,639
2	Structural insights into the degradation of Mcl-1 induced by BH3 domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6217-6222.	7.1	397
3	Structure of the Alzheimer's Disease Amyloid Precursor Protein Copper Binding Domain. <i>Journal of Biological Chemistry</i> , 2003, 278, 17401-17407.	3.4	248
4	The Bcl-2-regulated apoptotic pathway. <i>Journal of Cell Science</i> , 2003, 116, 4053-4056.	2.0	206
5	Bim, Bad and Bmf: intrinsically unstructured BH3-only proteins that undergo a localized conformational change upon binding to prosurvival Bcl-2 targets. <i>Cell Death and Differentiation</i> , 2007, 14, 128-136.	11.2	202
6	Solution Structure of Prosurvival Mcl-1 and Characterization of Its Binding by Proapoptotic BH3-only Ligands. <i>Journal of Biological Chemistry</i> , 2005, 280, 4738-4744.	3.4	187
7	Structure of the BH3 Domains from the p53-Inducible BH3-Only Proteins Noxa and Puma in Complex with Mcl-1. <i>Journal of Molecular Biology</i> , 2008, 380, 958-971.	4.2	178
8	Solution structure of a baculoviral inhibitor of apoptosis (IAP) repeat. <i>Nature Structural Biology</i> , 1999, 6, 648-651.	9.7	165
9	The structure of Bcl-w reveals a role for the C-terminal residues in modulating biological activity. <i>EMBO Journal</i> , 2003, 22, 1497-1507.	7.8	151
10	Solution structure of the eukaryotic pore-forming cytolytic toxin equinatoxin II: implications for pore formation. <i>Journal of Molecular Biology</i> , 2002, 315, 1219-1229.	4.2	140
11	The Bcl-2 family: structures, interactions and targets for drug discovery. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 136-150.	4.9	140
12	Structural biology of the Bcl-2 family and its mimicry by viral proteins. <i>Cell Death and Disease</i> , 2013, 4, e909-e909.	6.3	119
13	Synthesis, conformational properties, and antibody recognition of peptides containing .beta.-turn mimetics based on .alpha.-alkylproline derivatives. <i>Journal of Medicinal Chemistry</i> , 1991, 34, 1777-1789.	6.4	109
14	Proapoptotic BH3-only proteins trigger membrane integration of prosurvival Bcl-w and neutralize its activity. <i>Journal of Cell Biology</i> , 2003, 162, 877-888.	5.2	104
15	Structural Plasticity Underpins Promiscuous Binding of the Prosurvival Protein A1. <i>Structure</i> , 2008, 16, 818-829.	3.3	97
16	Structure of Domain III of the Blood-stage Malaria Vaccine Candidate, Plasmodium falciparum Apical Membrane Antigen 1 (AMA1). <i>Journal of Molecular Biology</i> , 2002, 322, 741-753.	4.2	89
17	CARD-Mediated Autoinhibition of cIAP1's E3 Ligase Activity Suppresses Cell Proliferation and Migration. <i>Molecular Cell</i> , 2011, 42, 569-583.	9.7	89
18	The Bcl-2 Family: Ancient Origins, Conserved Structures, and Divergent Mechanisms. <i>Biomolecules</i> , 2020, 10, 128.	4.0	88

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19	Stabilization of Neurotoxic Soluble $\beta^2$ -Sheet-Rich Conformations of the Alzheimer's Disease Amyloid- $\beta^2$ Peptide. Biophysical Journal, 2008, 94, 2752-2766.	0.5	87
20	The Bcl-2 Family in Host-Virus Interactions. Viruses, 2017, 9, 290.	3.3	87
21	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-e1735.	6.3	76
22	Structural Basis of Receptor Sulfotyrosine Recognition by a CC Chemokine: The N-Terminal Region of CCR3 Bound to CCL11/Eotaxin-1. Structure, 2014, 22, 1571-1581.	3.3	70
23	Intrinsically Disordered Proteins in Bcl-2 Regulated Apoptosis. International Journal of Molecular Sciences, 2010, 11, 1808-1824.	4.1	69
24	Stabilization of Nontoxic A $\beta$ -Oligomers: Insights into the Mechanism of Action of Hydroxyquinolines in Alzheimer's Disease. Journal of Neuroscience, 2015, 35, 2871-2884.	3.6	67
25	Localization of dynein light chains 1 and 2 and their pro-apoptotic ligands. Biochemical Journal, 2004, 377, 597-605.	3.7	65
26	Regulation of apoptosis: uncovering the binding determinants. Current Opinion in Structural Biology, 2005, 15, 690-699.	5.7	63
27	Metal Binding Affinities of Arabidopsis Zinc and Copper Transporters: Selectivities Match the Relative, but Not the Absolute, Affinities of their Amino-Terminal Domains,. Biochemistry, 2009, 48, 11640-11654.	2.5	63
28	The restricted binding repertoire of Bcl-B leaves Bim as the universal BH3-only prosurvival Bcl-2 protein antagonist. Cell Death and Disease, 2012, 3, e443-e443.	6.3	61
29	Structural Insight into African Swine Fever Virus A179L-Mediated Inhibition of Apoptosis. Journal of Virology, 2017, 91, .	3.4	59
30	Regulation of ubiquitin transfer by XIAP, a dimeric RING E3 ligase. Biochemical Journal, 2013, 450, 629-638.	3.7	50
31	Solution Structure of a Polypeptide from the N Terminus of the HIV Protein Nef. Biochemistry, 1997, 36, 5970-5980.	2.5	49
32	Solution structure and mutagenesis of the caspase recruitment domain (CARD) from Apaf-1. Cell Death and Differentiation, 1999, 6, 1125-1132.	11.2	47
33	Ancient and conserved functional interplay between Bcl-2 family proteins in the mitochondrial pathway of apoptosis. Science Advances, 2020, 6, .	10.3	47
34	The Structural Biology of BH3-Only Proteins. Methods in Enzymology, 2014, 544, 49-74.	1.0	46
35	Human $\beta^2$ -defensin 3 contains an oncolytic motif that binds PI(4,5)P2 to mediate tumour cell permeabilisation. Oncotarget, 2016, 7, 2054-2069.	1.8	44
36	Solution Structure of Psb27 from Cyanobacterial Photosystem II,. Biochemistry, 2009, 48, 8771-8773.	2.5	40

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37	The Solution Structure and Intramolecular Associations of the Tec Kinase Src Homology 3 Domain. Journal of Biological Chemistry, 2002, 277, 755-762.	3.4	39
38	Design and synthesis of a novel peptide $\hat{\text{I}}^2$ -turn mimetic. Journal of the Chemical Society Chemical Communications, 1988, , 1447-1449.	2.0	38
39	Unprecedented Binding Cooperativity between Cu <sup>I</sup> and Cu <sup>II</sup> in the Copper Resistance Protein CopK from <i>Cupriavidus metallidurans</i> CH34: Implications from Structural Studies by NMR Spectroscopy and X-Ray Crystallography. Journal of the American Chemical Society, 2009, 131, 3549-3564.	13.7	38
40	Solution Structure of Leukemia Inhibitory Factor. Journal of Biological Chemistry, 1998, 273, 13738-13745.	3.4	34
41	Structure of a Novel P-superfamily Spasmodic Conotoxin Reveals an Inhibitory Cystine Knot Motif. Journal of Biological Chemistry, 2002, 277, 43033-43040.	3.4	34
42	Crystal Structure of African Swine Fever Virus A179L with the Autophagy Regulator Beclin. Viruses, 2019, 11, 789.	3.3	31
43	Solution properties of Escherichia coli-expressed VH domain of anti-neuraminidase antibody NC41. The Protein Journal, 1995, 14, 167-178.	1.1	30
44	Poxviral Strategies to Overcome Host Cell Apoptosis. Pathogens, 2021, 10, 6.	2.8	30
45	Probing the role of proline as a recognition element in peptide antigens. Biochemical Pharmacology, 1990, 40, 119-123.	4.4	27
46	Subversion of the Bcl-2 Life/Death Switch in Cancer Development and Therapy. Cold Spring Harbor Symposia on Quantitative Biology, 2005, 70, 469-477.	1.1	26
47	Interaction of insulin-like growth factor (IGF)-I and -II with IGF binding protein-2: mapping the binding surfaces by nuclear magnetic resonance. Journal of Molecular Endocrinology, 2005, 34, 685-698.	2.5	25
48	The structure of Boo/Diva reveals a divergent Bcl-2 protein. Proteins: Structure, Function and Bioinformatics, 2010, 78, NA-NA.	2.6	24
49	Structural insight into an evolutionarily ancient programmed cell death regulator – the crystal structure of marine sponge BHP2 bound to LB-Bak-2. Cell Death and Disease, 2018, 8, e2543-e2543.	6.3	23
50	Solution structure of CyanoP from Synechocystis sp. PCC 6803: New insights on the structural basis for functional specialization amongst PsbP family proteins. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1331-1338.	1.0	19
51	Molecular Basis of the Cooperative Binding of Cu(I) and Cu(II) to the CopK Protein from <i>Cupriavidus metallidurans</i> CH34. Biochemistry, 2011, 50, 9237-9247.	2.5	18
52	Quantification of copper binding to amyloid precursor protein domain 2 and its Caenorhabditis elegans ortholog. Implications for biological function. Metallomics, 2014, 6, 105-116.	2.4	17
53	Self-assembled nanomaterials based on beta ( $\hat{\text{I}}^2$ ) <sup>3</sup> tetrapeptides. Nanotechnology, 2016, 27, 135606.	2.6	16
54	19F n.m.r. studies of conformational changes accompanying cyclic AMP binding to 3-fluorophenylalanine-containing cyclic AMP receptor protein from Escherichia coli. Biochemical Journal, 1992, 287, 627-632.	3.7	15

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55	Conformational differences between complexes of elongation factor Tu studied by 19F-NMR spectroscopy. FEBS Journal, 1993, 218, 1041-1047.	0.2	14
56	Diterpene Synthesis. III. Acid-Catalyzed Cyclization of Methoxyphenylethyltrimethyl-Cyclohexanols, Cyclohexenols and Cyclohexenones. Australian Journal of Chemistry, 1985, 38, 1815.	0.9	13
57	NMR spectroscopy of peptides and proteins. Molecular Biotechnology, 1997, 7, 315-331.	2.4	13
58	Backbone dynamics measurements on leukemia inhibitory factor, a rigid four $\alpha$ -helical bundle cytokine. Protein Science, 2000, 9, 671-682.	7.6	13
59	Exchange enhanced sensitivity gain for solvent-exchangeable protons in 2D 1H $\rightarrow$ 15N heteronuclear correlation spectra acquired with band-selective pulses. Journal of Magnetic Resonance, 2011, 211, 243-247.	2.1	13
60	Synthetic, Structural and Vibrational Spectroscopic Studies in Bismuth(III) Halide/N $\rightarrow$ -Aromatic Bidentate Base Systems. IV. Bismuth(III) Halide/N $\rightarrow$ -Bidentate Ligand (1 : 1) Systems. Australian Journal of Chemistry, 1997, 50, 309.	0.9	13
61	Improved Estimation of Protein Rotational Correlation Times from 15N Relaxation Measurements. Journal of Magnetic Resonance, 1998, 131, 347-350.	2.1	12
62	Structural insight into tanapoxvirus $\alpha$ -mediated inhibition of apoptosis. FEBS Journal, 2020, 287, 3733-3750.	4.7	11
63	1,2-Asymmetric induction in dianionic functionalization reactions of L-aspartic acid diesters $\alpha$ 1. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1029-1038.	0.9	10
64	HtrA $\alpha$ A Renaissance Protein. Structure, 2002, 10, 737-739.	3.3	10
65	The N-Terminal Residues 43 to 60 Form the Interface for Dopamine Mediated $\beta$ -Synuclein Dimerisation. PLoS ONE, 2015, 10, e0116497.	2.5	10
66	Clemmensen Reduction. X. The Synthesis and Acidolysis of Some Aryl Alkyl Substituted Cyclopropane-1,2-diols. Australian Journal of Chemistry, 1992, 45, 865.	0.9	9
67	Crystal structures of the sheeppox virus encoded inhibitor of apoptosis SPPV14 bound to the proapoptotic BH3 peptides Hrk and Bax. FEBS Letters, 2020, 594, 2016-2026.	2.8	9
68	Resonance assignments, secondary structure and topology of leukaemia inhibitory factor in solution. Journal of Biomolecular NMR, 1997, 9, 113-126.	2.8	8
69	Letter to the editor: Sequence-specific resonance assignments of the potent cytolytic equinatoxin II. Journal of Biomolecular NMR, 2000, 18, 281-282.	2.8	8
70	A structural investigation of NRZ mediated apoptosis regulation in zebrafish. Cell Death and Disease, 2018, 9, 967.	6.3	8
71	Crystal structures of ORFV125 provide insight into orf virus-mediated inhibition of apoptosis. Biochemical Journal, 2020, 477, 4527-4541.	3.7	8
72	Metazoans and Intrinsic Apoptosis: An Evolutionary Analysis of the Bcl-2 Family. International Journal of Molecular Sciences, 2022, 23, 3691.	4.1	8

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73	19F NMR evidence for interactions between the c-AMP binding sites on the c-AMP receptor protein from <i>E. coli</i> . <i>FEBS Letters</i> , 1991, 283, 127-130.	2.8	7
74	Detection of Bcl-2 family member Bcl-G in mouse tissues using new monoclonal antibodies. <i>Cell Death and Disease</i> , 2012, 3, e378-e378.	6.3	7
75	1H NMR study of robustoxin, the lethal neurotoxin from the funnel web spider <i>Atrax robustus</i> . <i>Toxicon</i> , 1999, 37, 485-506.	1.6	6
76	The structural basis of Bcl-2 mediated cell death regulation in hydra. <i>Biochemical Journal</i> , 2020, 477, 3287-3297.	3.7	6
77	Sequential 1H-NMR assignments of neurotoxin III from the sea anemone <i>Heteractis macrodactylus</i> and structural comparison with related toxins. <i>The Protein Journal</i> , 1993, 12, 371-378.	1.1	5
78	Assignment of 1H, 13C and 15N resonances of domain III of the ectodomain of apical membrane antigen 1 from <i>Plasmodium falciparum</i> . <i>Journal of Biomolecular NMR</i> , 2001, 19, 85-86.	2.8	5
79	Assignment of 1H and 15N resonances of murine Tec SH3 domain. <i>Journal of Biomolecular NMR</i> , 1998, 12, 461-462.	2.8	4
80	Structural Investigation of Orf Virus Bcl-2 Homolog ORFV125 Interactions with BH3-Motifs from BH3-Only Proteins Puma and Hrk. <i>Viruses</i> , 2021, 13, 1374.	3.3	4
81	Clemmensen Reduction. IX. Structure and Reactions of a Cyclopropane-1,2-diol. <i>Australian Journal of Chemistry</i> , 1988, 41, 1191.	0.9	2
82	NMR Spectroscopy of Peptides and Proteins. , 1994, 36, 131-154.		2
83	Structural Insight into KsBcl-2 Mediated Apoptosis Inhibition by Kaposi Sarcoma Associated Herpes Virus. <i>Viruses</i> , 2022, 14, 738.	3.3	2
84	Comprehensive multidimensional study of the self-assembly properties of a three residue substituted $\beta^2$ oligoamide. <i>Pure and Applied Chemistry</i> , 2021, 93, 1327-1341.	1.9	1
85	Solution Structure and Physiological Requirements for Psb27 in <i>Synechocystis</i> sp. PCC 6803. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 432-435.	0.1	0
86	Structure-Function Studies of the Photosystem II Extrinsic Subunits PsbQ and PsbP from the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 86-90.	0.1	0