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List of Publications by Year in descending order

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96 papers	17,900 citations	44069 48 h-index	37204 96 g-index
103 all docs	103 docs citations	103 times ranked	22335 citing authors

#	Article	IF	Citations
1	The manipulation of apoptosis for cancer therapy using BH3-mimetic drugs. Nature Reviews Cancer, 2022, 22, 45-64.	28.4	144
2	Ion currents through Kir potassium channels are gated by anionic lipids. Nature Communications, 2022, 13, 490.	12.8	9
3	The Bak core dimer focuses triacylglycerides in the membrane. Biophysical Journal, 2022, 121, 347-360.	0.5	1
4	Structure of the BAK-activating antibody 7D10 bound to BAK reveals an unexpected role for the Î±1-Î±2 loop in BAK activation. Cell Death and Differentiation, 2022, 29, 1757-1768.	11.2	4
5	Membrane permeabilization is mediated by distinct epitopes in mouse and human orthologs of the necroptosis effector, MLKL. Cell Death and Differentiation, 2022, 29, 1804-1815.	11.2	22
6	Insights Into Drug Repurposing, as Well as Specificity and Compound Properties of Piperidine-Based SARS-CoV-2 PLpro Inhibitors. Frontiers in Chemistry, 2022, 10, 861209.	3.6	11
7	Basis for drug selectivity of plasmepsin IX and X inhibition in Plasmodium falciparum and vivax. Structure, 2022, 30, 947-961.e6.	3.3	9
8	Human RIPK3 C-lobe phosphorylation is essential for necroptotic signaling. Cell Death and Disease, 2022, 13, .	6.3	9
9	Biophysical Characterization of Pro-apoptotic BimBH3 Peptides Reveals an Unexpected Capacity for Self-Association. Structure, 2021, 29, 114-124.e3.	3.3	10
10	The regulation of necroptosis by post-translational modifications. Cell Death and Differentiation, 2021, 28, 861-883.	11.2	70
11	Yeast- and antibody-based tools for studying tryptophan C-mannosylation. Nature Chemical Biology, 2021, 17, 428-437.	8.0	17
12	Structure-Guided Development of Potent Benzoylurea Inhibitors of BCL-X_L and BCL-2. Journal of Medicinal Chemistry, 2021, 64, 5447-5469.	6.4	5
13	Conformational interconversion of MLKL and disengagement from RIPK3 precede cell death by necroptosis. Nature Communications, 2021, 12, 2211.	12.8	56
14	Structure of detergent-activated BAK dimers derived from the inert monomer. Molecular Cell, 2021, 81, 2123-2134.e5.	9.7	26
15	BCL-XL antagonism selectively reduces neutrophil life span within inflamed tissues without causing neutropenia. Blood Advances, 2021, 5, 2550-2562.	5.2	9
16	Dynamic reconfiguration of proâ€apoptotic BAK on membranes. EMBO Journal, 2021, 40, e107237.	7.8	20
17	Human RIPK3 maintains MLKL in an inactive conformation prior to cell death by necroptosis. Nature Communications, 2021, 12, 6783.	12.8	47
18	VDAC2 and the BCL-2 family of proteins. Biochemical Society Transactions, 2021, 49, 2787-2795.	3.4	23

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19	BAX, BAK, and BOK: A Coming of Age for the BCL-2 Family Effector Proteins. Cold Spring Harbor Perspectives in Biology, 2020, 12, a036319.	5.5	106
20	Mechanism and inhibition of the papainâ€like protease, PLpro, of SARSâ€CoVâ€2. EMBO Journal, 2020, 39, e106275.	7.8	330
21	BAK core dimers bind lipids and can be bridged by them. Nature Structural and Molecular Biology, 2020, 27, 1024-1031.	8.2	49
22	Potent Inhibition of Necroptosis by Simultaneously Targeting Multiple Effectors of the Pathway. ACS Chemical Biology, 2020, 15, 2702-2713.	3.4	22
23	Crystal structure of the hinge domain of Smchd1 reveals its dimerization mode and nucleic acidâ€“binding residues. Science Signaling, 2020, 13, .	3.6	12
24	Distinct pseudokinase domain conformations underlie divergent activation mechanisms among vertebrate MLKL orthologues. Nature Communications, 2020, 11, 3060.	12.8	47
25	A missense mutation in the MLKL brace region promotes lethal neonatal inflammation and hematopoietic dysfunction. Nature Communications, 2020, 11, 3150.	12.8	75
26	Identification of MLKL membrane translocation as a checkpoint in necroptotic cell death using Monobodies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8468-8475.	7.1	64
27	Multiple BCL2 mutations cooccurring with Gly101Val emerge in chronic lymphocytic leukemia progression on venetoclax. Blood, 2020, 135, 773-777.	1.4	115
28	Relating SMCHD1 structure to its function in epigenetic silencing. Biochemical Society Transactions, 2020, 48, 1751-1763.	3.4	12
29	RNF41 regulates the damage recognition receptor Clec9A and antigen cross-presentation in mouse dendritic cells. ELife, 2020, 9, .	6.0	16
30	A small molecule interacts with VDAC2 to block mouse BAK-driven apoptosis. Nature Chemical Biology, 2019, 15, 1057-1066.	8.0	30
31	Characterization of a novel venetoclax resistance mutation (BCL2 Phe104Ile) observed in follicular lymphoma. British Journal of Haematology, 2019, 186, e188-e191.	2.5	37
32	Structures of BCL-2 in complex with venetoclax reveal the molecular basis of resistance mutations. Nature Communications, 2019, 10, 2385.	12.8	139
33	Neutralising antibodies block the function of Rh5/Ripr/CyRPA complex during invasion of Plasmodium falciparum into human erythrocytes. Cellular Microbiology, 2019, 21, e13030.	2.1	34
34	Parkin inhibits BAK and BAX apoptotic function by distinct mechanisms during mitophagy. EMBO Journal, 2019, 38, .	7.8	66
35	Structure of Plasmodium falciparum Rh5â€“CyRPAâ€“Ripr invasion complex. Nature, 2019, 565, 118-121.	27.8	74
36	Acquisition of the Recurrent Gly101Val Mutation in BCL2 Confers Resistance to Venetoclax in Patients with Progressive Chronic Lymphocytic Leukemia. Cancer Discovery, 2019, 9, 342-353.	9.4	306

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37	The Structural Basis of Necroptotic Cell Death Signaling. Trends in Biochemical Sciences, 2019, 44, 53-63.	7.5	125
38	The brace helices of MLKL mediate interdomain communication and oligomerisation to regulate cell death by necroptosis. Cell Death and Differentiation, 2018, 25, 1567-1580.	11.2	66
39	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
40	Embryogenesis and Adult Life in the Absence of Intrinsic Apoptosis Effectors BAX, BAK, and BOK. Cell, 2018, 173, 1217-1230.e17.	28.9	155
41	Enhanced antimalarial activity of plasmepsin V inhibitors by modification of the P 2 position of PEXEL peptidomimetics. European Journal of Medicinal Chemistry, 2018, 154, 182-198.	5.5	26
42	Autoinflammatory mutation in NLRC4 reveals a leucine-rich repeat (LRR)â€“LRR oligomerization interface. Journal of Allergy and Clinical Immunology, 2018, 142, 1956-1967.e6.	2.9	52
43	CD52 glycan binds the proinflammatory B box of HMGB1 to engage the Siglec-10 receptor and suppress human T cell function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7783-7788.	7.1	55
44	Ensemble Properties of Bax Determine Its Function. Structure, 2018, 26, 1346-1359.e5.	3.3	34
45	Conformational switching of the pseudokinase domain promotes human MLKL tetramerization and cell death by necroptosis. Nature Communications, 2018, 9, 2422.	12.8	154
46	The BCL-2 family of proteins and mitochondrial outer membrane permeabilisation. Seminars in Cell and Developmental Biology, 2017, 72, 152-162.	5.0	178
47	Conversion of Bim-BH3 from Activator to Inhibitor of Bak through Structure-Based Design. Molecular Cell, 2017, 68, 659-672.e9.	9.7	57
48	Design, Synthesis, and Biological Activity of 1,2,3-Triazolobenzodiazepine BET Bromodomain Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 1298-1303.	2.8	23
49	Physiological restraint of Bak by Bcl-x_L is essential for cell survival. Genes and Development, 2016, 30, 1240-1250.	5.9	40
50	Preparing Samples for Crystallization of Bcl-2 Family Complexes. Methods in Molecular Biology, 2016, 1419, 213-229.	0.9	18
51	Multiple Plasmodium falciparum Merozoite Surface Protein 1 Complexes Mediate Merozoite Binding to Human Erythrocytes. Journal of Biological Chemistry, 2016, 291, 7703-7715.	3.4	70
52	The hinge domain of the epigenetic repressor Smchd1 adopts an unconventional homodimeric configuration. Biochemical Journal, 2016, 473, 733-742.	3.7	19
53	A tale of two domains â€“ a structural perspective of the pseudokinase, <scp>MLKL</scp>. FEBS Journal, 2015, 282, 4268-4278.	4.7	24
54	Structural basis for plasmepsin V inhibition that blocks export of malaria proteins to human erythrocytes. Nature Structural and Molecular Biology, 2015, 22, 590-596.	8.2	93

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55	Genome-wide binding and mechanistic analyses of Smchd1-mediated epigenetic regulation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3535-44.	7.1	83
56	Transmembrane Complexes of DAP12 Crystallized in Lipid Membranes Provide Insights into Control of Oligomerization in Immunoreceptor Assembly. Cell Reports, 2015, 11, 1184-1192.	6.4	20
57	The Merozoite Surface Protein 1 Complex Is a Platform for Binding to Human Erythrocytes by Plasmodium falciparum. Journal of Biological Chemistry, 2014, 289, 25655-25669.	3.4	45
58	Insights into the evolution of divergent nucleotide-binding mechanisms among pseudokinases revealed by crystal structures of human and mouse MLKL. Biochemical Journal, 2014, 457, 369-377.	3.7	92
59	Apoptotic pore formation is associated with in-plane insertion of Bak or Bax central helices into the mitochondrial outer membrane. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4076-85.	7.1	111
60	NMR studies of interactions between Bax and BH3 domain-containing peptides in the absence and presence of CHAPS. Archives of Biochemistry and Biophysics, 2014, 545, 33-43.	3.0	11
61	Control of apoptosis by the BCL-2 protein family: implications for physiology and therapy. Nature Reviews Molecular Cell Biology, 2014, 15, 49-63.	37.0	2,444
62	Activation of the pseudokinase MLKL unleashes the four-helix bundle domain to induce membrane localization and necroptotic cell death. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15072-15077.	7.1	484
63	Further Insights into the Effects of Pre-organizing the BimBH3 Helix. ACS Chemical Biology, 2014, 9, 838-839.	3.4	26
64	De-Novo Designed Library of Benzoylureas as Inhibitors of BCL-X_L: Synthesis, Structural and Biochemical Characterization. Journal of Medicinal Chemistry, 2014, 57, 1323-1343.	6.4	33
65	Structure-Guided Rescaffolding of Selective Antagonists of BCL-X_L. ACS Medicinal Chemistry Letters, 2014, 5, 662-667.	2.8	37
66	Bak Core and Latch Domains Separate during Activation, and Freed Core Domains Form Symmetric Homodimers. Molecular Cell, 2014, 55, 938-946.	9.7	140
67	Discovery of a Potent and Selective BCL-X_L Inhibitor with in Vivo Activity. ACS Medicinal Chemistry Letters, 2014, 5, 1088-1093.	2.8	242
68	Structural, kinetic and computational investigation of Vitis vinifera DHDPS reveals new insight into the mechanism of lysine-mediated allosteric inhibition. Plant Molecular Biology, 2013, 81, 431-446.	3.9	30
69	The Pseudokinase MLKL Mediates Necroptosis via a Molecular Switch Mechanism. Immunity, 2013, 39, 443-453.	14.3	958
70	Bax Crystal Structures Reveal How BH3 Domains Activate Bax and Nucleate Its Oligomerization to Induce Apoptosis. Cell, 2013, 152, 519-531.	28.9	491
71	Structure-guided design of a selective BCL-XL inhibitor. Nature Chemical Biology, 2013, 9, 390-397.	8.0	324
72	Discovery of Potent and Selective Benzothiazole Hydrazone Inhibitors of Bcl-X_L. Journal of Medicinal Chemistry, 2013, 56, 5514-5540.	6.4	60

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73	Stabilizing the Pro-Apoptotic BimBH3 Helix (BimSAHB) Does Not Necessarily Enhance Affinity or Biological Activity. ACS Chemical Biology, 2013, 8, 297-302.	3.4	123
74	Production of a human neutralizing monoclonal antibody and its crystal structure in complex with ectodomain 3 of the interleukin-13 receptor Î±1. Biochemical Journal, 2013, 451, 165-175.	3.7	11
75	Insights into Duffy Binding-like Domains through the Crystal Structure and Function of the Merozoite Surface Protein MSPDBL2 from Plasmodium falciparum. Journal of Biological Chemistry, 2012, 287, 32922-32939.	3.4	34
76	The Dendritic Cell Receptor Clec9A Binds Damaged Cells via Exposed Actin Filaments. Immunity, 2012, 36, 646-657.	14.3	272
77	Cytosolic Bax. Journal of Biological Chemistry, 2012, 287, 9112-9127.	3.4	29
78	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, 1914-1926.	6.4	62
79	Catalytic mechanism and cofactor preference of dihydrodipicolinate reductase from methicillin-resistant Staphylococcus aureus. Archives of Biochemistry and Biophysics, 2011, 512, 167-174.	3.0	19
80	Molecular biology of Bax and Bak activation and action. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 521-531.	4.1	415
81	Mutation to Bax beyond the BH3 Domain Disrupts Interactions with Pro-survival Proteins and Promotes Apoptosis. Journal of Biological Chemistry, 2011, 286, 7123-7131.	3.4	96
82	Bcl-2 Family Proteins as Therapeutic Targets. Current Pharmaceutical Design, 2010, 16, 3132-3148.	1.9	32
83	Crystal Structure of the Entire Ectodomain of gp130. Journal of Biological Chemistry, 2010, 285, 21214-21218.	3.4	78
84	Conformational Changes in Bcl-2 Pro-survival Proteins Determine Their Capacity to Bind Ligands. Journal of Biological Chemistry, 2009, 284, 30508-30517.	3.4	79
85	Highâ€Resolution Structural Characterization of a Helical Î±/Î²â€Peptide Foldamer Bound to the Antiâ€Apoptotic Protein Bclâ€x_L. Angewandte Chemie - International Edition, 2009, 48, 4318-4322.	13.8	143
86	Bak Activation for Apoptosis Involves Oligomerization of Dimers via Their Î±6 Helices. Molecular Cell, 2009, 36, 696-703.	9.7	200
87	BCL-2 family antagonists for cancer therapy. Nature Reviews Drug Discovery, 2008, 7, 989-1000.	46.4	549
88	Structural Plasticity Underpins Promiscuous Binding of the Prosurvival Protein A1. Structure, 2008, 16, 818-829.	3.3	97
89	A novel BH3 ligand that selectively targets Mcl-1 reveals that apoptosis can proceed without Mcl-1 degradation. Journal of Cell Biology, 2008, 180, 341-355.	5.2	157
90	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, 6217-6222.	7.1	397

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91	Apoptosis Initiated When BH3 Ligands Engage Multiple Bcl-2 Homologs, Not Bax or Bak. Science, 2007, 315, 856-859.	12.6	1,021
92	The BH3 mimetic ABT-737 targets selective Bcl-2 proteins and efficiently induces apoptosis via Bak/Bax if Mcl-1 is neutralized. Cancer Cell, 2006, 10, 389-399.	16.8	1,149
93	Studies of structural changes in the M2 proton channel of influenza A virus by tryptophan fluorescence. Virus Research, 2004, 99, 57-61.	2.2	32
94	A Model for the Cytoplasmic Domain of the Influenza A Virus M2 Channel by Analogy to the HIV-1 Vpu Protein. Protein and Peptide Letters, 2002, 9, 495-502.	0.9	8
95	IDENTIFICATION OF REGIONS WITHIN THE THIRD FnIII-LIKE DOMAIN OF THE IL-5RÎ± INVOLVED IN IL-5 INTERACTION. Cytokine, 2000, 12, 867-873.	3.2	2
96	Identification of residues involved in binding of IL5 to Î²comusing Î²IL3and Î²comchimeras. FEBS Letters, 1999, 460, 99-102.	2.8	2