

Marc Kvansakul

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,683
citations

125106

35
h-index

162838

57
g-index

97
all docs

97
docs citations

97
times ranked

4926
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Cell Death and Differentiation</i> , 2008, 15, 1564-1571.	5.0	205
2	Phosphoinositide-mediated oligomerization of a defensin induces cell lysis. <i>ELife</i> , 2014, 3, e01808.	2.8	167
3	Structure of a thrombospondin C-terminal fragment reveals a novel calcium core in the type 3 repeats. <i>EMBO Journal</i> , 2004, 23, 1223-1233.	3.5	153
4	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.	2.2	140
5	A Structural Viral Mimic of Prosurvival Bcl-2: Pivotal Role for Sequestering Proapoptotic Bax and Bak. <i>Molecular Cell</i> , 2007, 25, 933-942.	4.5	125
6	Crystallographic Insight into Collagen Recognition by Discoidin Domain Receptor 2. <i>Structure</i> , 2009, 17, 1573-1581.	1.6	121
7	Structural biology of the Bcl-2 family and its mimicry by viral proteins. <i>Cell Death and Disease</i> , 2013, 4, e909-e909.	2.7	119
8	The Scribble Cell Polarity Module in the Regulation of Cell Signaling in Tissue Development and Tumorigenesis. <i>Journal of Molecular Biology</i> , 2018, 430, 3585-3612.	2.0	118
9	Data publication with the structural biology data grid supports live analysis. <i>Nature Communications</i> , 2016, 7, 10882.	5.8	113
10	Insight into Schmid Metaphyseal Chondrodysplasia from the Crystal Structure of the Collagen X NC1 Domain Trimer. <i>Structure</i> , 2002, 10, 165-173.	1.6	108
11	Structural Basis for Apoptosis Inhibition by Epstein-Barr Virus BHRF1. <i>PLoS Pathogens</i> , 2010, 6, e1001236.	2.1	99
12	Tumor cell membrane-targeting cationic antimicrobial peptides: novel insights into mechanisms of action and therapeutic prospects. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3809-3825.	2.4	94
13	Structural and functional analysis of MiD51, a dynamin receptor required for mitochondrial fission. <i>Journal of Cell Biology</i> , 2014, 204, 477-486.	2.3	91
14	The Bcl-2 Family: Ancient Origins, Conserved Structures, and Divergent Mechanisms. <i>Biomolecules</i> , 2020, 10, 128.	1.8	88
15	The Bcl-2 Family in Host-Virus Interactions. <i>Viruses</i> , 2017, 9, 290.	1.5	87
16	The Tomato Defensin TPP3 Binds Phosphatidylinositol (4,5)-Bisphosphate via a Conserved Dimeric Cationic Grip Conformation To Mediate Cell Lysis. <i>Molecular and Cellular Biology</i> , 2015, 35, 1964-1978.	1.1	84
17	Dimerization of Plant Defensin NaD1 Enhances Its Antifungal Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 19961-19972.	1.6	71
18	NatD promotes lung cancer progression by preventing histone H4 serine phosphorylation to activate Slug expression. <i>Nature Communications</i> , 2017, 8, 928.	5.8	69

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19	The restricted binding repertoire of Bcl-2 leaves Bim as the universal BH3-only prosurvival Bcl-2 protein antagonist. <i>Cell Death and Disease</i> , 2012, 3, e443-e443.	2.7	61
20	Structural Insight into African Swine Fever Virus A179L-Mediated Inhibition of Apoptosis. <i>Journal of Virology</i> , 2017, 91, .	1.5	59
21	Modified vaccinia virus Ankara protein F1L is a novel BH3-domain-binding protein and acts together with the early viral protein E3L to block virus-associated apoptosis. <i>Cell Death and Differentiation</i> , 2006, 13, 109-118.	5.0	58
22	Crystal structure of the collagen $\alpha 1(VIII)$ NC1 trimer. <i>Matrix Biology</i> , 2003, 22, 145-152.	1.5	56
23	X-ray structure of a carpet-like antimicrobial defensin α -phospholipid membrane disruption complex. <i>Nature Communications</i> , 2018, 9, 1962.	5.8	50
24	i-bodies, Human Single Domain Antibodies That Antagonize Chemokine Receptor CXCR4. <i>Journal of Biological Chemistry</i> , 2016, 291, 12641-12657.	1.6	49
25	Binding of phosphatidic acid by Nsd7 mediates the formation of helical defensin α -lipid oligomeric assemblies and membrane permeabilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11202-11207.	3.3	48
26	Ancient and conserved functional interplay between Bcl-2 family proteins in the mitochondrial pathway of apoptosis. <i>Science Advances</i> , 2020, 6, .	4.7	47
27	The Structural Biology of BH3-Only Proteins. <i>Methods in Enzymology</i> , 2014, 544, 49-74.	0.4	46
28	Viral Infection and Apoptosis. <i>Viruses</i> , 2017, 9, 356.	1.5	45
29	Structural basis for the high-affinity interaction of nidogen-1 with immunoglobulin-like domain 3 of perlecan. <i>EMBO Journal</i> , 2001, 20, 5342-5346.	3.5	44
30	Human $\beta 2$ -defensin 3 contains an oncolytic motif that binds PI(4,5)P2 to mediate tumour cell permeabilisation. <i>Oncotarget</i> , 2016, 7, 2054-2069.	0.8	44
31	Extracellular matrix retention of thrombospondin 1 is controlled by its conserved C-terminal region. <i>Journal of Cell Science</i> , 2008, 121, 784-795.	1.2	42
32	Sheeppox Virus SPPV14 Encodes a Bcl-2-Like Cell Death Inhibitor That Counters a Distinct Set of Mammalian Proapoptotic Proteins. <i>Journal of Virology</i> , 2012, 86, 11501-11511.	1.5	41
33	Splitting up the powerhouse: structural insights into the mechanism of mitochondrial fission. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3695-3707.	2.4	41
34	Deerpox Virus Encodes an Inhibitor of Apoptosis That Regulates Bak and Bax. <i>Journal of Virology</i> , 2011, 85, 1922-1934.	1.5	40
35	Human $\beta 2$ -defensin 2 kills <i>Candida albicans</i> through phosphatidylinositol 4,5-bisphosphate α -mediated membrane permeabilization. <i>Science Advances</i> , 2018, 4, eaat0979.	4.7	40
36	Variola virus F1L is a Bcl-2-like protein that unlike its vaccinia virus counterpart inhibits apoptosis independent of Bim. <i>Cell Death and Disease</i> , 2015, 6, e1680-e1680.	2.7	38

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37	Structural Insight into BH3 Domain Binding of Vaccinia Virus Antiapoptotic F1L. <i>Journal of Virology</i> , 2014, 88, 8667-8677.	1.5	37
38	Structural basis of coronavirus E protein interactions with human PALS1 PDZ domain. <i>Communications Biology</i> , 2021, 4, 724.	2.0	37
39	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.	5.0	35
40	Structural basis for the differential interaction of Scribble PDZ domains with the guanine nucleotide exchange factor Î²-PIX. <i>Journal of Biological Chemistry</i> , 2017, 292, 20425-20436.	1.6	33
41	<i>Drosophila melanogaster</i> Guk-holder interacts with the Scribbled PDZ1 domain and regulates epithelial development with Scribbled and Discs Large. <i>Journal of Biological Chemistry</i> , 2018, 293, 4519-4531.	1.6	31
42	Crystal Structure of African Swine Fever Virus A179L with the Autophagy Regulator Beclin. <i>Viruses</i> , 2019, 11, 789.	1.5	31
43	Structural basis of apoptosis inhibition by the fowlpox virus protein FPV039. <i>Journal of Biological Chemistry</i> , 2017, 292, 9010-9021.	1.6	30
44	Poxviral Strategies to Overcome Host Cell Apoptosis. <i>Pathogens</i> , 2021, 10, 6.	1.2	30
45	Grouper iridovirus GIV66 is a Bcl-2 protein that inhibits apoptosis by exclusively sequestering Bim. <i>Journal of Biological Chemistry</i> , 2018, 293, 5464-5477.	1.6	27
46	Vaccinia Virus F1L Interacts with Bak Using Highly Divergent Bcl-2 Homology Domains and Replaces the Function of Mcl-1. <i>Journal of Biological Chemistry</i> , 2010, 285, 4695-4708.	1.6	26
47	Structural basis of <i>Deer</i> pox virus-mediated inhibition of apoptosis. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1593-1603.	2.5	25
48	CED-4 forms a 2â€™%â€™%2 heterotetrameric complex with CED-9 until specifically displaced by EGL-1 or CED-13. <i>Cell Death and Differentiation</i> , 2006, 13, 426-434.	5.0	23
49	Functional Regulation of the Plasma Protein Histidine-Rich Glycoprotein by Zn ²⁺ in Settings of Tissue Injury. <i>Biomolecules</i> , 2017, 7, 22.	1.8	23
50	Structural insight into an evolutionarily ancient programmed cell death regulator â€™% the crystal structure of marine sponge BHP2 bound to LB-Bak-2. <i>Cell Death and Disease</i> , 2018, 8, e2543-e2543.	2.7	23
51	MCMV-mediated Inhibition of the Pro-apoptotic Bak Protein Is Required for Optimal In Vivo Replication. <i>PLoS Pathogens</i> , 2013, 9, e1003192.	2.1	21
52	Yeast techniques for modeling drugs targeting Bcl-2 and caspase family members. <i>Cell Death and Disease</i> , 2013, 4, e619-e619.	2.7	20
53	Structural and Functional Insight into Canarypox Virus CNP058 Mediated Regulation of Apoptosis. <i>Viruses</i> , 2017, 9, 305.	1.5	20
54	Structural basis of interprotein electron transfer in bacterial sulfite oxidation. <i>ELife</i> , 2015, 4, e09066.	2.8	19

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55	Preparing Samples for Crystallization of Bcl-2 Family Complexes. <i>Methods in Molecular Biology</i> , 2016, 1419, 213-229.	0.4	18
56	Structural analysis of phosphorylation-associated interactions of human MCC with Scribble PDZ domains. <i>FEBS Journal</i> , 2019, 286, 4910-4925.	2.2	18
57	Structural and functional characterization of the membrane-permeabilizing activity of <i>Nicotiana occidentalis</i> defensin NoD173 and protein engineering to enhance oncolysis. <i>FASEB Journal</i> , 2019, 33, 6470-6482.	0.2	18
58	The enigmatic Placozoa part 1: Exploring evolutionary controversies and poor ecological knowledge. <i>BioEssays</i> , 2021, 43, e2100080.	1.2	17
59	Vaccinia Virus Encodes a Novel Inhibitor of Apoptosis That Associates with the Apoptosome. <i>Journal of Virology</i> , 2017, 91, .	1.5	16
60	Crystal structure of the human Scribble PDZ1 domain bound to the PDZ-binding motif of APC. <i>FEBS Letters</i> , 2019, 593, 533-542.	1.3	16
61	Structure of the defensin NsD7 in complex with PIP ₂ reveals that defensin lipid oligomer topologies are dependent on lipid type. <i>FEBS Letters</i> , 2017, 591, 2482-2490.	1.3	13
62	Structural basis of the human Scribble-Vangl2 association in health and disease. <i>Biochemical Journal</i> , 2021, 478, 1321-1332.	1.7	12
63	Crystallization and preliminary X-ray crystallographic analysis of the plant defensin NaD1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 85-88.	0.7	11
64	Recombinant expression and purification of the tomato defensin TPP3 and its preliminary X-ray crystallographic analysis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 314-316.	0.7	11
65	Crystallization reports are the backbone of <i>Acta Cryst. F</i> , but do they have any spine?. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 712-718.	0.7	11
66	The N Terminus of the Vaccinia Virus Protein F1L Is an Intrinsically Unstructured Region That Is Not Involved in Apoptosis Regulation. <i>Journal of Biological Chemistry</i> , 2016, 291, 14600-14608.	1.6	11
67	Structural insight into tanapoxvirus-mediated inhibition of apoptosis. <i>FEBS Journal</i> , 2020, 287, 3733-3750.	2.2	11
68	Crystal structures of the sheeppox virus encoded inhibitor of apoptosis SPPV14 bound to the proapoptotic BH3 peptides Hrk and Bax. <i>FEBS Letters</i> , 2020, 594, 2016-2026.	1.3	9
69	Divalent metal binding by histidine-rich glycoprotein differentially regulates higher order oligomerisation and proteolytic processing. <i>FEBS Letters</i> , 2017, 591, 164-176.	1.3	8
70	A structural investigation of NRZ mediated apoptosis regulation in zebrafish. <i>Cell Death and Disease</i> , 2018, 9, 967.	2.7	8
71	Crystallographic Studies of PDZ Domain-Peptide Interactions of the Scribble Polarity Module. <i>Methods in Molecular Biology</i> , 2021, 2256, 125-135.	0.4	8
72	Crystal structures of ORFV125 provide insight into orf virus-mediated inhibition of apoptosis. <i>Biochemical Journal</i> , 2020, 477, 4527-4541.	1.7	8

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73	Structural Basis of the Avian Influenza NS1 Protein Interactions with the Cell Polarity Regulator Scribble. <i>Viruses</i> , 2022, 14, 583.	1.5	8
74	Metazoans and Intrinsic Apoptosis: An Evolutionary Analysis of the Bcl-2 Family. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3691.	1.8	8
75	Caspase Inhibitors of the P35 Family Are More Active When Purified from Yeast than Bacteria. <i>PLoS ONE</i> , 2012, 7, e39248.	1.1	7
76	The structural basis of Bcl-2 mediated cell death regulation in hydra. <i>Biochemical Journal</i> , 2020, 477, 3287-3297.	1.7	6
77	Defensinâ€‘lipid interactions in membrane targeting: mechanisms of action and opportunities for the development of antimicrobial and anticancer therapeutics. <i>Biochemical Society Transactions</i> , 2022, 50, 423-437.	1.6	6
78	Molecular basis of Tick Born encephalitis virus NS5 mediated subversion of apico-basal cell polarity signalling. <i>Biochemical Journal</i> , 2022, 479, 1303-1315.	1.7	6
79	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of <i>N</i> -acetylmannosamine kinase from methicillin-resistant <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 643-649.	0.4	5
80	Crystallization and preliminary X-ray characterization of Epsteinâ€‘Barr virus BHRF1 in complex with a benzoylurea peptidomimetic. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 1521-1524.	0.7	4
81	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.	1.5	4
82	The enigmatic Placozoa part 2: Exploring evolutionary controversies and promising questions on earth and in space. <i>BioEssays</i> , 2021, 43, 2100083.	1.2	3
83	Structural Insight into KsBcl-2 Mediated Apoptosis Inhibition by Kaposi Sarcoma Associated Herpes Virus. <i>Viruses</i> , 2022, 14, 738.	1.5	2
84	ABA/ASB structural biology session II 2018. <i>Biophysical Reviews</i> , 2019, 11, 279-279.	1.5	1
85	Session 1SBP: ASB-BSJ Joint Symposiumâ€‘current challenges in biophysics centering on biomolecular interactions and the underlying forces. <i>Biophysical Reviews</i> , 2020, 12, 255-256.	1.5	1
86	Cell Polarity Regulationâ€‘From Atomic to Macroscopic Scale. <i>Journal of Molecular Biology</i> , 2018, 430, 3455-3456.	2.0	0
87	Structural studies of collagen X and collagen VIII NC1 domains. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2002, 58, c297-c297.	0.3	0
88	Insight into viral inhibition of apoptosis â€‘ structures of myxoma virus M11L and vaccinia virus F1L. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C328-C328.	0.3	0
89	Structural basis for the inhibition of apoptosis by Epsteinâ€‘Barr virus BHRF1. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C76-C76.	0.3	0
90	A structural investigation of NRZ mediated apoptosis regulation in zebrafish. <i>FASEB Journal</i> , 2019, 33, 646.17.	0.2	0