

Catherine L Day

List of Publications by Year in descending order

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citations

101543

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8066
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	The BH3 mimetic ABT-737 targets selective Bcl-2 proteins and efficiently induces apoptosis via Bak/Bax if Mcl-1 is neutralized. <i>Cancer Cell</i> , 2006, 10, 389-399.	16.8	1,149
3	HtrA2 Promotes Cell Death through Its Serine Protease Activity and Its Ability to Antagonize Inhibitor of Apoptosis Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 445-454.	3.4	484
4	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
5	The Bcl-2-regulated apoptotic pathway. <i>Journal of Cell Science</i> , 2003, 116, 4053-4056.	2.0	206
6	TRAF2 Must Bind to Cellular Inhibitors of Apoptosis for Tumor Necrosis Factor (TNF) to Efficiently Activate NF- κ B and to Prevent TNF-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 35906-35915.	3.4	202
7	Bak Activation for Apoptosis Involves Oligomerization of Dimers via Their ± 6 Helices. <i>Molecular Cell</i> , 2009, 36, 696-703.	9.7	200
8	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
9	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
10	RINGs hold the key to ubiquitin transfer. <i>Trends in Biochemical Sciences</i> , 2012, 37, 58-65.	7.5	168
11	Solution structure of a baculoviral inhibitor of apoptosis (IAP) repeat. <i>Nature Structural Biology</i> , 1999, 6, 648-651.	9.7	165
12	Structures of the cIAP2 RING Domain Reveal Conformational Changes Associated with Ubiquitin-conjugating Enzyme (E2) Recruitment. <i>Journal of Biological Chemistry</i> , 2008, 283, 31633-31640.	3.4	153
13	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
14	Birinapant, a Smac-Mimetic with Improved Tolerability for the Treatment of Solid Tumors and Hematological Malignancies. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3666-3677.	6.4	146
15	Smac Mimetics Activate the E3 Ligase Activity of cIAP1 Protein by Promoting RING Domain Dimerization. <i>Journal of Biological Chemistry</i> , 2011, 286, 17015-17028.	3.4	142
16	Determination of cell survival by RING-mediated regulation of inhibitor of apoptosis (IAP) protein abundance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16182-16187.	7.1	133
17	The anti-apoptotic activity of XIAP is retained upon mutation of both the caspase 3 and caspase 9 interacting sites. <i>Journal of Cell Biology</i> , 2002, 157, 115-124.	5.2	124
18	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

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19	Structure of the bacterial type II NADH dehydrogenase: a monotopic membrane protein with an essential role in energy generation. <i>Molecular Microbiology</i> , 2014, 91, 950-964.	2.5	103
20	Structural Plasticity Underpins Promiscuous Binding of the Prosurvival Protein A1. <i>Structure</i> , 2008, 16, 818-829.	3.3	97
21	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
22	Structure of the Recombinant N-Terminal Lobe of Human Lactoferrin at 2.0 Å Resolution. <i>Journal of Molecular Biology</i> , 1993, 232, 1084-1100.	4.2	83
23	RING domain dimerization is essential for RNF4 function. <i>Biochemical Journal</i> , 2010, 431, 23-29.	3.7	80
24	Asymmetric Recruitment of cIAPs by TRAF2. <i>Journal of Molecular Biology</i> , 2010, 400, 8-15.	4.2	72
25	Intrinsically Disordered Proteins in Bcl-2 Regulated Apoptosis. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1808-1824.	4.1	69
26	Localization of dynein light chains 1 and 2 and their pro-apoptotic ligands. <i>Biochemical Journal</i> , 2004, 377, 597-605.	3.7	65
27	Regulation of apoptosis: uncovering the binding determinants. <i>Current Opinion in Structural Biology</i> , 2005, 15, 690-699.	5.7	63
28	Altered Domain Closure and Iron Binding in Transferrins: The Crystal Structure of the Asp60Ser Mutant of the Amino-terminal Half-molecule of Human Lactoferrin. <i>Journal of Molecular Biology</i> , 1996, 256, 352-363.	4.2	62
29	Crystal structure of the amino-terminal coiled-coil domain of the APC tumor suppressor 1 Edited by I. A. Wilson. <i>Journal of Molecular Biology</i> , 2000, 301, 147-156.	4.2	50
30	Regulation of ubiquitin transfer by XIAP, a dimeric RING E3 ligase. <i>Biochemical Journal</i> , 2013, 450, 629-638.	3.7	50
31	Reevaluation of Abscisic Acid-Binding Assays Shows That G-Protein-Coupled Receptor2 Does Not Bind Abscisic Acid. <i>Plant Physiology</i> , 2009, 150, 6-11.	4.8	48
32	Secondary ubiquitin-RING docking enhances Arkadia and Ark2C E3 ligase activity. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 45-52.	8.2	46
33	The molecular basis of lysine 48 ubiquitin chain synthesis by Ube2K. <i>Scientific Reports</i> , 2015, 5, 16793.	3.3	43
34	IAPs: Modular regulators of cell signalling. <i>Seminars in Cell and Developmental Biology</i> , 2015, 39, 80-90.	5.0	43
35	The activity of TRAF RING homo- and heterodimers is regulated by zinc finger 1. <i>Nature Communications</i> , 2017, 8, 1788.	12.8	42
36	FCA does not bind abscisic acid. <i>Nature</i> , 2008, 456, E5-E6.	27.8	40

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37	Solution Structure of Psb27 from Cyanobacterial Photosystem II. <i>Biochemistry</i> , 2009, 48, 8771-8773.	2.5	40
38	The N-Terminal Extension of UBE2E Ubiquitin-Conjugating Enzymes Limits Chain Assembly. <i>Journal of Molecular Biology</i> , 2013, 425, 4099-4111.	4.2	39
39	Enhancing the peroxidase activity of cytochrome <i>c</i> by mutation of residue 41: implications for the peroxidase mechanism and cytochrome <i>c</i> release. <i>Biochemical Journal</i> , 2014, 458, 259-265.	3.7	38
40	Tumor Necrosis Factor (TNF) Signaling, but Not TWEAK (TNF-like Weak Inducer of Apoptosis)-triggered cIAP1 (Cellular Inhibitor of Apoptosis Protein 1) Degradation, Requires cIAP1 RING Dimerization and E2 Binding. <i>Journal of Biological Chemistry</i> , 2010, 285, 17525-17536.	3.4	37
41	A Direct Interaction with NEDD1 Regulates β -Tubulin Recruitment to the Centrosome. <i>PLoS ONE</i> , 2010, 5, e9618.	2.5	36
42	Mutation of Arginine 121 in Lactoferrin Destabilizes Iron Binding by Disruption of Anion Binding: Å Crystal Structures of R121S and R121E Mutants. <i>Biochemistry</i> , 1996, 35, 14473-14479.	2.5	34
43	FRIGIDA and related proteins have a conserved central domain and family specific N- and C-terminal regions that are functionally important. <i>Plant Molecular Biology</i> , 2010, 73, 493-505.	3.9	29
44	Noncovalent Ubiquitin Interactions Regulate the Catalytic Activity of Ubiquitin Writers. <i>Trends in Biochemical Sciences</i> , 2016, 41, 924-937.	7.5	27
45	A bidentate Polycomb Repressive-Deubiquitinase complex is required for efficient activity on nucleosomes. <i>Nature Communications</i> , 2018, 9, 3932.	12.8	25
46	The structure of Boo/Diva reveals a divergent Bcl-2 protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, NA-NA.	2.6	24
47	Use of E2-Ubiquitin Conjugates for the Characterization of Ubiquitin Transfer by RING E3 Ligases Such as the Inhibitor of Apoptosis Proteins. <i>Methods in Enzymology</i> , 2014, 545, 243-263.	1.0	23
48	Structure and Function of the RING Domains of RNF20 and RNF40, Dimeric E3 Ligases that Monoubiquitylate Histone H2B. <i>Journal of Molecular Biology</i> , 2016, 428, 4073-4086.	4.2	23
49	The Structure and Ubiquitin Binding Properties of TRAF RING Heterodimers. <i>Journal of Molecular Biology</i> , 2021, 433, 166844.	4.2	20
50	Regulation of E2s: A Role for Additional Ubiquitin Binding Sites?. <i>Journal of Molecular Biology</i> , 2017, 429, 3430-3440.	4.2	17
51	Preliminary crystallographic studies of the amino terminal half of human lactoferrin in its iron-saturated and iron-free forms. <i>Journal of Molecular Biology</i> , 1992, 228, 973-974.	4.2	13
52	A cryptic tubulin-binding domain links MEKK1 to curved tubulin protomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21308-21318.	7.1	12
53	Identification of Ubiquitin Variants That Inhibit the E2 Ubiquitin Conjugating Enzyme, Ube2k. <i>ACS Chemical Biology</i> , 2021, 16, 1745-1756.	3.4	12
54	Collaborative networks enable the rapid establishment of serological assays for SARS-CoV-2 during nationwide lockdown in New Zealand. <i>PeerJ</i> , 2020, 8, e9863.	2.0	12

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55	HtrA Renaissance Protein. <i>Structure</i> , 2002, 10, 737-739.	3.3	10
56	Structure of a domain-opened mutant (R121D) of the human lactoferrin N-lobe refined from a merohedrally twinned crystal form. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 955-962.	2.5	10
57	The Ubiquitin-associated Domain of Cellular Inhibitor of Apoptosis Proteins Facilitates Ubiquitylation. <i>Journal of Biological Chemistry</i> , 2014, 289, 25721-25736.	3.4	10
58	The RING domain of RING Finger 11 (RNF 11) protein binds Ubc13 and inhibits formation of polyubiquitin chains. <i>FEBS Letters</i> , 2018, 592, 1434-1444.	2.8	9
59	Ubiquitin and a charged loop regulate the ubiquitin E3 ligase activity of Ark2C. <i>Nature Communications</i> , 2022, 13, 1181.	12.8	8
60	E2 enzymes: lessons in ubiquitin transfer from XLID patients. <i>Nature Chemical Biology</i> , 2019, 15, 6-7.	8.0	2
61	Ubiquitin Variant Inhibitors Meet the Deubiquitinase USP15. <i>Structure</i> , 2019, 27, 564-565.	3.3	1
62	Solution structure of Mcl-1 and its complexes. <i>FASEB Journal</i> , 2007, 21, A638.	0.5	0
63	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
64	Altered Domain Closure and Iron Binding in Lactoferrin Mutants. , 1997, , 25-38.		0