

Raymond J Deshaies

List of Publications by Year in descending order

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156
papers

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4383

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156
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167
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167
docs citations

167
times ranked

24022
citing authors

#	ARTICLE	IF	CITATIONS
1	RING Domain E3 Ubiquitin Ligases. Annual Review of Biochemistry, 2009, 78, 399-434.	5.0	2,180
2	Function and regulation of cullin-RING ubiquitin ligases. Nature Reviews Molecular Cell Biology, 2005, 6, 9-20.	16.1	1,890
3	A subfamily of stress proteins facilitates translocation of secretory and mitochondrial precursor polypeptides. Nature, 1988, 332, 800-805.	13.7	1,567
4	Protacs: Chimeric molecules that target proteins to the Skp1-Cullin-F box complex for ubiquitination and degradation. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 8554-8559.	3.3	1,482
5	How Proteolysis Drives the Cell Cycle. Science, 1996, 274, 1652-1659.	6.0	1,249
6	Role of Rpn11 Metalloprotease in Deubiquitination and Degradation by the 26S Proteasome. Science, 2002, 298, 611-615.	6.0	919
7	A Complex of Cdc4p, Skp1p, and Cdc53p/Cullin Catalyzes Ubiquitination of the Phosphorylated CDK Inhibitor Sic1p. Cell, 1997, 91, 221-230.	13.5	789
8	Exit from Mitosis Is Triggered by Tem1-Dependent Release of the Protein Phosphatase Cdc14 from Nucleolar RENT Complex. Cell, 1999, 97, 233-244.	13.5	684
9	Role of Predicted Metalloprotease Motif of Jab1/Csn5 in Cleavage of Nedd8 from Cul1. Science, 2002, 298, 608-611.	6.0	666
10	Promotion of NEDD8-CUL1 Conjugate Cleavage by COP9 Signalosome. Science, 2001, 292, 1382-1385.	6.0	641
11	Proteasomal Proteomics: Identification of Nucleotide-sensitive Proteasome-interacting Proteins by Mass Spectrometric Analysis of Affinity-purified Proteasomes. Molecular Biology of the Cell, 2000, 11, 3425-3439.	0.9	518
12	Alcohol-abuse drug disulfiram targets cancer via p97 segregase adaptor NPL4. Nature, 2017, 552, 194-199.	13.7	516
13	Phosphorylation of Sic1p by G1 Cdk Required for Its Degradation and Entry into S Phase. Science, 1997, 278, 455-460.	6.0	454
14	Interactions of the COP9 Signalosome with the E3 Ubiquitin Ligase SCFTIR1 in Mediating Auxin Response. Science, 2001, 292, 1379-1382.	6.0	451
15	Transcription Factor Nrf1 Mediates the Proteasome Recovery Pathway after Proteasome Inhibition in Mammalian Cells. Molecular Cell, 2010, 38, 17-28.	4.5	426
16	A yeast mutant defective at an early stage in import of secretory protein precursors into the endoplasmic reticulum.. Journal of Cell Biology, 1987, 105, 633-645.	2.3	410
17	Multiubiquitin Chain Receptors Define a Layer of Substrate Selectivity in the Ubiquitin-Proteasome System. Cell, 2004, 118, 99-110.	13.5	410
18	Chemical Genetic Control of Protein Levels: A Selective in Vivo Targeted Degradation. Journal of the American Chemical Society, 2004, 126, 3748-3754.	6.6	384

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19	COP9 Signalosome. <i>Cell</i> , 2003, 114, 663-671.	13.5	375
20	Cdc53/cullin and the essential Hrt1 RING-H2 subunit of SCF define a ubiquitin ligase module that activates the E2 enzyme Cdc34. <i>Genes and Development</i> , 1999, 13, 1614-1626.	2.7	372
21	Net1, a Sir2-Associated Nucleolar Protein Required for rDNA Silencing and Nucleolar Integrity. <i>Cell</i> , 1999, 97, 245-256.	13.5	366
22	Human De-Etiolated-1 Regulates c-Jun by Assembling a CUL4A Ubiquitin Ligase. <i>Science</i> , 2004, 303, 1371-1374.	6.0	349
23	Assembly of yeast Sec proteins involved in translocation into the endoplasmic reticulum into a membrane-bound multisubunit complex. <i>Nature</i> , 1991, 349, 806-808.	13.7	343
24	Multimodal Activation of the Ubiquitin Ligase SCF by Nedd8 Conjugation. <i>Molecular Cell</i> , 2008, 32, 21-31.	4.5	342
25	Multiple genes are required for proper insertion of secretory proteins into the endoplasmic reticulum in yeast. <i>Journal of Cell Biology</i> , 1989, 109, 2641-2652.	2.3	341
26	2.3 Å... resolution cryo-EM structure of human p97 and mechanism of allosteric inhibition. <i>Science</i> , 2016, 351, 871-875.	6.0	305
27	Development of PROTACs to Target Cancer-promoting Proteins for Ubiquitination and Degradation. <i>Molecular and Cellular Proteomics</i> , 2003, 2, 1350-1358.	2.5	302
28	SEL-10 Is an Inhibitor of Notch Signaling That Targets Notch for Ubiquitin-Mediated Protein Degradation. <i>Molecular and Cellular Biology</i> , 2001, 21, 7403-7415.	1.1	299
29	Reversible inhibitor of p97, DBE1, impairs both ubiquitin-dependent and autophagic protein clearance pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4834-4839.	3.3	281
30	Proteotoxic crisis, the ubiquitin-proteasome system, and cancer therapy. <i>BMC Biology</i> , 2014, 12, 94.	1.7	281
31	UBXD7 Binds Multiple Ubiquitin Ligases and Implicates p97 in HIF1 α Turnover. <i>Cell</i> , 2008, 134, 804-816.	13.5	277
32	Negative regulation of Gcn4 and Msn2 transcription factors by Srb10 cyclin-dependent kinase. <i>Genes and Development</i> , 2001, 15, 1078-1092.	2.7	272
33	Mechanism of Lysine 48-Linked Ubiquitin-Chain Synthesis by the Cullin-RING Ubiquitin-Ligase Complex SCF-Cdc34. <i>Cell</i> , 2005, 123, 1107-1120.	13.5	249
34	Skp1 forms multiple protein complexes, including RAVE, a regulator of V-ATPase assembly. <i>Nature Cell Biology</i> , 2001, 3, 384-391.	4.6	242
35	Cand1 Promotes Assembly of New SCF Complexes through Dynamic Exchange of F Box Proteins. <i>Cell</i> , 2013, 153, 206-215.	13.5	228
36	Toll-like receptor 4 mediates synergism between alcohol and HCV in hepatic oncogenesis involving stem cell marker Nanog. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1548-1553.	3.3	210

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37	Cdc48/p97 promotes degradation of aberrant nascent polypeptides bound to the ribosome. <i>ELife</i> , 2013, 2, e00308.	2.8	203
38	JAMM: A Metalloprotease-Like Zinc Site in the Proteasome and Signalosome. <i>PLoS Biology</i> , 2003, 2, e2.	2.6	194
39	SEC11 is required for signal peptide processing and yeast cell growth.. <i>Journal of Cell Biology</i> , 1988, 106, 1035-1042.	2.3	192
40	Phosphorylation- and ubiquitin-dependent degradation of the cyclin-dependent kinase inhibitor Far1p in budding yeast. <i>Genes and Development</i> , 1997, 11, 3046-3060.	2.7	191
41	Detection of sequential polyubiquitylation on a millisecond timescale. <i>Nature</i> , 2009, 462, 615-619.	13.7	189
42	Components of an SCF ubiquitin ligase localize to the centrosome and regulate the centrosome duplication cycle. <i>Genes and Development</i> , 1999, 13, 2242-2257.	2.7	185
43	SEC62 encodes a putative membrane protein required for protein translocation into the yeast endoplasmic reticulum.. <i>Journal of Cell Biology</i> , 1989, 109, 2653-2664.	2.3	184
44	Ubistatins Inhibit Proteasome-Dependent Degradation by Binding the Ubiquitin Chain. <i>Science</i> , 2004, 306, 117-120.	6.0	183
45	Protein kinase Cdc15 activates the Dbf2-Mob1 kinase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 7325-7330.	3.3	182
46	A Multidimensional Electrospray MS-Based Approach to Phosphopeptide Mapping. <i>Analytical Chemistry</i> , 2001, 73, 393-404.	3.2	178
47	Rapid E2-E3 Assembly and Disassembly Enable Processive Ubiquitylation of Cullin-RING Ubiquitin Ligase Substrates. <i>Cell</i> , 2009, 139, 957-968.	13.5	178
48	Structural Organization of the 19S Proteasome Lid: Insights from MS of Intact Complexes. <i>PLoS Biology</i> , 2006, 4, e267.	2.6	176
49	Cdc48/p97 Mediates UV-Dependent Turnover of RNA Pol II. <i>Molecular Cell</i> , 2011, 41, 82-92.	4.5	176
50	p97-dependent retrotranslocation and proteolytic processing govern formation of active Nrf1 upon proteasome inhibition. <i>ELife</i> , 2014, 3, e01856.	2.8	176
51	A putative stimulatory role for activator turnover in gene expression. <i>Nature</i> , 2005, 438, 113-116.	13.7	172
52	Diverse roles for ubiquitin-dependent proteolysis in transcriptional activation. <i>Nature Cell Biology</i> , 2003, 5, 845-850.	4.6	166
53	Multispecific drugs herald a new era of biopharmaceutical innovation. <i>Nature</i> , 2020, 580, 329-338.	13.7	166
54	Targeting steroid hormone receptors for ubiquitination and degradation in breast and prostate cancer. <i>Oncogene</i> , 2008, 27, 7201-7211.	2.6	163

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55	Rsp5/Nedd4 is the main ubiquitin ligase that targets cytosolic misfolded proteins following heat stress. <i>Nature Cell Biology</i> , 2014, 16, 1227-1237.	4.6	161
56	Phosphorylation by Cyclin B-Cdk Underlies Release of Mitotic Exit Activator Cdc14 from the Nucleolus. <i>Science</i> , 2004, 305, 516-519.	6.0	159
57	Skp1p and the F-Box Protein Rcy1p Form a Non-SCF Complex Involved in Recycling of the SNARE Snc1p in Yeast. <i>Molecular and Cellular Biology</i> , 2001, 21, 3105-3117.	1.1	157
58	Context of Multiubiquitin Chain Attachment Influences the Rate of Sic1 Degradation. <i>Molecular Cell</i> , 2003, 11, 1435-1444.	4.5	147
59	A conserved quality-control pathway that mediates degradation of unassembled ribosomal proteins. <i>ELife</i> , 2016, 5, .	2.8	147
60	Harnessing the Power of Proteolysis for Targeted Protein Inactivation. <i>Molecular Cell</i> , 2020, 77, 446-460.	4.5	140
61	Cdc37 is required for association of the protein kinase Cdc28 with G1 and mitotic cyclins.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 4651-4655.	3.3	136
62	Ubiquitin- and ATP-dependent unfoldase activity of P97/VCPâ€œNPLC4â€œUFD1L is enhanced by a mutation that causes multisystem proteinopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4380-E4388.	3.3	136
63	Multisite Phosphorylation and the Countdown to S Phase. <i>Cell</i> , 2001, 107, 819-822.	13.5	132
64	Chemical genetics screen for enhancers of rapamycin identifies a specific inhibitor of an SCF family E3 ubiquitin ligase. <i>Nature Biotechnology</i> , 2010, 28, 738-742.	9.4	132
65	Prime time for PROTACs. <i>Nature Chemical Biology</i> , 2015, 11, 634-635.	3.9	132
66	Glutamine Triggers Acetylation-Dependent Degradation of Glutamine Synthetase via the Thalidomide Receptor Cereblon. <i>Molecular Cell</i> , 2016, 61, 809-820.	4.5	132
67	Targeted silencing of Jab1/Csn5 in human cells downregulates SCF activity through reduction of F-box protein levels. , 2006, 7, 1.		131
68	Applicability of Tandem Affinity Purification MudPIT to Pathway Proteomics in Yeast. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 226-237.	2.5	130
69	A Proteasome Howdunit. <i>Cell</i> , 2000, 101, 341-344.	13.5	129
70	Human CUL1 forms an evolutionarily conserved ubiquitin ligase complex (SCF) with SKP1 and an F-box protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 7451-7456.	3.3	125
71	The Tem1 small GTPase controls actomyosin and septin dynamics during cytokinesis. <i>Journal of Cell Science</i> , 2001, 114, 1379-86.	1.2	125
72	Vms1 and ANKZF1 peptidyl-tRNA hydrolases release nascent chains from stalled ribosomes. <i>Nature</i> , 2018, 557, 446-451.	13.7	122

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73	The role of stress proteins in membrane biogenesis. <i>Trends in Biochemical Sciences</i> , 1988, 13, 384-388.	3.7	119
74	Structure-Activity Relationship Study Reveals ML240 and ML241 as Potent and Selective Inhibitors of p97 ATPase. <i>ChemMedChem</i> , 2013, 8, 297-312.	1.6	119
75	Composition and Regulation of the Cellular Repertoire of SCF Ubiquitin Ligases. <i>Cell</i> , 2017, 171, 1326-1339.e14.	13.5	118
76	Capzimin is a potent and specific inhibitor of proteasome isopeptidase Rpn11. <i>Nature Chemical Biology</i> , 2017, 13, 486-493.	3.9	117
77	Net1 Stimulates RNA Polymerase I Transcription and Regulates Nucleolar Structure Independently of Controlling Mitotic Exit. <i>Molecular Cell</i> , 2001, 8, 45-55.	4.5	116
78	Deconjugation of Nedd8 from Cul1 Is Directly Regulated by Skp1-F-box and Substrate, and the COP9 Signalosome Inhibits Deneddylated SCF by a Noncatalytic Mechanism. <i>Journal of Biological Chemistry</i> , 2012, 287, 29679-29689.	1.6	110
79	Nuclear-specific degradation of Far1 is controlled by the localization of the F-box protein Cdc4. <i>EMBO Journal</i> , 2000, 19, 6085-6097.	3.5	108
80	Essential Role for Ubiquitin-Ubiquitin-Conjugating Enzyme Interaction in Ubiquitin Discharge from Cdc34 to Substrate. <i>Molecular Cell</i> , 2011, 42, 75-83.	4.5	108
81	Ribosomal proteins produced in excess are degraded by the ubiquitin-proteasome system. <i>Molecular Biology of the Cell</i> , 2016, 27, 2642-2652.	0.9	105
82	Specific Inhibition of p97/VCP ATPase and Kinetic Analysis Demonstrate Interaction between D1 and D2 ATPase Domains. <i>Journal of Molecular Biology</i> , 2014, 426, 2886-2899.	2.0	103
83	The fission yeast COP9/signalosome is involved in cullin modification by ubiquitin-related Ned8p. <i>BMC Biochemistry</i> , 2001, 2, 7.	4.4	101
84	Phosphorylation and proteolysis: partners in the regulation of cell division in budding yeast. <i>Current Opinion in Genetics and Development</i> , 1997, 7, 7-16.	1.5	98
85	Dbf2-Mob1 drives relocalization of protein phosphatase Cdc14 to the cytoplasm during exit from mitosis. <i>Journal of Cell Biology</i> , 2009, 184, 527-539.	2.3	96
86	Thiolutin is a zinc chelator that inhibits the Rpn11 and other JAMM metalloproteases. <i>Nature Chemical Biology</i> , 2017, 13, 709-714.	3.9	95
87	Selective Degradation of Ubiquitinated Sic1 by Purified 26S Proteasome Yields Active S Phase Cyclin-Cdk. <i>Molecular Cell</i> , 2001, 8, 439-448.	4.5	93
88	Quantitative Profiling of Ubiquitylated Proteins Reveals Proteasome Substrates and the Substrate Repertoire Influenced by the Rpn10 Receptor Pathway. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1885-1895.	2.5	90
89	Analysis of Polyubiquitin Conjugates Reveals That the Rpn10 Substrate Receptor Contributes to the Turnover of Multiple Proteasome Targets. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 741-751.	2.5	89
90	Substrate specificity analysis of protein kinase complex Dbf2-Mob1 by peptide library and proteome array screening. <i>BMC Biochemistry</i> , 2005, 6, 22.	4.4	89

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91	Exercising self-restraint: Discouraging illicit acts of S and M in eukaryotes. <i>Cell</i> , 1993, 74, 223-226.	13.5	88
92	Control of Cullin-Ring Ubiquitin Ligase Activity by Nedd8. <i>Sub-Cellular Biochemistry</i> , 2010, 54, 41-56.	1.0	85
93	Cand1-Mediated Adaptive Exchange Mechanism Enables Variation in F-Box Protein Expression. <i>Molecular Cell</i> , 2018, 69, 773-786.e6.	4.5	84
94	Make it or break it: the role of ubiquitin-dependent proteolysis in cellular regulation. <i>Trends in Cell Biology</i> , 1995, 5, 428-434.	3.6	82
95	Structural and kinetic analysis of the COP9-Signalosome activation and the cullin-RING ubiquitin ligase deneddylation cycle. <i>ELife</i> , 2016, 5, .	2.8	82
96	Chfr is linked to tumour metastasis through the downregulation of HDAC1. <i>Nature Cell Biology</i> , 2009, 11, 295-302.	4.6	76
97	NEDD8 links cullin-RING ubiquitin ligase function to the p97 pathway. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 511-516.	3.6	74
98	p97/VCP promotes degradation of CRBN substrate glutamine synthetase and neosubstrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3565-3571.	3.3	68
99	Mass Spectrometry-based Methods for Phosphorylation Site Mapping of Hyperphosphorylated Proteins Applied to Net1, a Regulator of Exit from Mitosis in Yeast. <i>Molecular and Cellular Proteomics</i> , 2002, 1, 186-196.	2.5	67
100	Characterization of the Net1 Cell Cycle-dependent Regulator of the Cdc14 Phosphatase from Budding Yeast. <i>Journal of Biological Chemistry</i> , 2001, 276, 21924-21931.	1.6	65
101	Increased proteasomal activity supports photoreceptor survival in inherited retinal degeneration. <i>Nature Communications</i> , 2018, 9, 1738.	5.8	65
102	Cks1 Is Required for G 1 Cyclin-Dependent Kinase Activity in Budding Yeast. <i>Molecular and Cellular Biology</i> , 2000, 20, 5858-5864.	1.1	64
103	Cdc5 influences phosphorylation of Net1 and disassembly of the RENT complex. <i>BMC Molecular Biology</i> , 2002, 3, 3.	3.0	64
104	The self-destructive personality of a cell cycle in transition. <i>Current Opinion in Cell Biology</i> , 1995, 7, 781-789.	2.6	62
105	Identification of a functional docking site in the Rpn1 LRR domain for the UBA-UBL domain protein Ddi1. <i>BMC Biology</i> , 2011, 9, 33.	1.7	62
106	Discovery of an Inhibitor of the Proteasome Subunit Rpn11. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1343-1361.	2.9	61
107	PIKES Analysis Reveals Response to Degraders and Key Regulatory Mechanisms of the CRL4 Network. <i>Molecular Cell</i> , 2020, 77, 1092-1106.e9.	4.5	56
108	Quantitative Cell-based Protein Degradation Assays to Identify and Classify Drugs That Target the Ubiquitin-Proteasome System. <i>Journal of Biological Chemistry</i> , 2011, 286, 16546-16554.	1.6	55

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109	The Steady-State Repertoire of Human SCF Ubiquitin Ligase Complexes Does Not Require Ongoing Nedd8 Conjugation. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.006460.	2.5	54
110	Combined chemical and genetic approach to inhibit proteolysis by the proteasome. <i>Yeast</i> , 2010, 27, 965-974.	0.8	51
111	Multisystem Proteinopathy Mutations in VCP/p97 Increase NPLOC4-UFD1L Binding and Substrate Processing. <i>Structure</i> , 2019, 27, 1820-1829.e4.	1.6	51
112	A Conditional Yeast E1 Mutant Blocks the Ubiquitin-Proteasome Pathway and Reveals a Role for Ubiquitin Conjugates in Targeting Rad23 to the Proteasome. <i>Molecular Biology of the Cell</i> , 2007, 18, 1953-1963.	0.9	50
113	Development of p97 AAA ATPase inhibitors. <i>Autophagy</i> , 2011, 7, 1091-1092.	4.3	48
114	Mutations in the Hydrophobic Core of Ubiquitin Differentially Affect Its Recognition by Receptor Proteins. <i>Journal of Molecular Biology</i> , 2008, 375, 979-996.	2.0	43
115	Assembly and Regulation of CRL Ubiquitin Ligases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1217, 33-46.	0.8	43
116	Inhibition of COP9-signalosome (CSN) deneddylating activity and tumor growth of diffuse large B-cell lymphomas by doxycycline. <i>Oncotarget</i> , 2015, 6, 14796-14813.	0.8	42
117	Valosin-containing protein (VCP) Adaptor Interactions are Exceptionally Dynamic and Subject to Differential Modulation by a VCP Inhibitor. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2970-2986.	2.5	42
118	Characterization of a Dominant Negative Mutant of the Cell Cycle Ubiquitin-conjugating Enzyme Cdc34. <i>Journal of Biological Chemistry</i> , 1995, 270, 26209-26215.	1.6	41
119	Designer Reagents for Mass Spectrometry-Based Proteomics: Clickable Cross-Linkers for Elucidation of Protein Structures and Interactions. <i>Analytical Chemistry</i> , 2012, 84, 2662-2669.	3.2	41
120	The TFIID Subunit Tfb3 Regulates Cullin Neddylation. <i>Molecular Cell</i> , 2011, 43, 488-495.	4.5	39
121	Genetic dissection of the early stages of protein secretion in yeast. <i>Trends in Genetics</i> , 1989, 5, 87-93.	2.9	37
122	Charting the Protein Complexome in Yeast by Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2002, 1, 3-10.	2.5	36
123	Multiple telophase arrest bypassed (tab) mutants alleviate the essential requirement for Cdc15 in exit from mitosis in <i>S. cerevisiae</i> . <i>BMC Genetics</i> , 2002, 3, 4.	2.7	36
124	In Vitro Reconstitution of SCF Substrate Ubiquitination with Purified Proteins. <i>Methods in Enzymology</i> , 2005, 398, 143-158.	0.4	33
125	Nrf1 can be processed and activated in a proteasome-independent manner. <i>Current Biology</i> , 2016, 26, R834-R835.	1.8	32
126	The Acidic Tail of the Cdc34 Ubiquitin-conjugating Enzyme Functions in Both Binding to and Catalysis with Ubiquitin Ligase SCFCdc4. <i>Journal of Biological Chemistry</i> , 2009, 284, 36012-36023.	1.6	31

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127	Protein Interaction Profiling of the p97 Adaptor UBXD1 Points to a Role for the Complex in Modulating ERGIC-53 Trafficking. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.016444.	2.5	31
128	Click Chemistry Facilitates Formation of Reporter Ions and Simplified Synthesis of Amine-Reactive Multiplexed Isobaric Tags for Protein Quantification. <i>Journal of the American Chemical Society</i> , 2012, 134, 2672-2680.	6.6	30
129	Allosteric Indole Amide Inhibitors of p97: Identification of a Novel Probe of the Ubiquitin Pathway. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 182-187.	1.3	30
130	Epidithiodiketopiperazines Inhibit Protein Degradation by Targeting Proteasome Deubiquitinase Rpn11. <i>Cell Chemical Biology</i> , 2018, 25, 1350-1358.e9.	2.5	30
131	Mapping phosphorylation sites in proteins by mass spectrometry. <i>Methods in Enzymology</i> , 2002, 351, 279-296.	0.4	29
132	Gal4 turnover and transcription activation. <i>Nature</i> , 2009, 461, E7-E7.	13.7	27
133	Perturbations to the Ubiquitin Conjugate Proteome in Yeast $\hat{u}bx$ Mutants Identify Ubx2 as a Regulator of Membrane Lipid Composition. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2791-2803.	2.5	27
134	Activation of p107 by Fibroblast Growth Factor, Which Is Essential for Chondrocyte Cell Cycle Exit, Is Mediated by the Protein Phosphatase 2A/B55 \hat{i} Holoenzyme. <i>Molecular and Cellular Biology</i> , 2013, 33, 3330-3342.	1.1	26
135	Degradation of the Deubiquitinating Enzyme USP33 Is Mediated by p97 and the Ubiquitin Ligase HERC2. <i>Journal of Biological Chemistry</i> , 2014, 289, 19789-19798.	1.6	26
136	The pseudophosphatase $\langle scp \rangle STYX \langle /scp \rangle$ targets the F \hat{a} €box of $\langle scp \rangle FBXW \langle /scp \rangle 7$ and inhibits $\langle scp \rangle SCF \langle /scp \rangle \langle sup \rangle FBXW7 \langle /sup \rangle$ function. <i>EMBO Journal</i> , 2017, 36, 260-273.	3.5	26
137	Two \hat{a} €Step Affinity Purification of Multiubiquitylated Proteins from <i>Saccharomyces cerevisiae</i> . <i>Methods in Enzymology</i> , 2005, 399, 385-392.	0.4	24
138	Components of the ubiquitin-proteasome pathway compete for surfaces on Rad23 family proteins. <i>BMC Biochemistry</i> , 2008, 9, 4.	4.4	24
139	F-box Protein FBXL16 Binds PP2A-B55 \hat{i} and Regulates Differentiation of Embryonic Stem Cells along the FLK1+ Lineage. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 780-791.	2.5	22
140	Physiologically relevant and portable tandem ubiquitin-binding domain stabilizes polyubiquitylated proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19796-19801.	3.3	21
141	Evaluation of a Diffusion-Driven Mechanism for Substrate Ubiquitination by the SCF-Cdc34 Ubiquitin Ligase Complex. <i>Molecular Cell</i> , 2006, 24, 523-534.	4.5	20
142	Cell Cycle Control by Ubiquitin-Dependent Proteolysis. , 1998, , 345-387.		19
143	Permeability of Chloroplast Envelopes to Mg $^{2+}$. <i>Plant Physiology</i> , 1984, 74, 956-961.	2.3	17
144	Ubiquitin-dependent proteasomal degradation of AMPK gamma subunit by Cereblon inhibits AMPK activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118729.	1.9	16

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145	Structural Basis for the Inhibitory Effects of Ubistatins in the Ubiquitin-Proteasome Pathway. <i>Structure</i> , 2017, 25, 1839-1855.e11.	1.6	15
146	A covalent p97/VCP ATPase inhibitor can overcome resistance to CB-5083 and NMS-873 in colorectal cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113148.	2.6	15
147	Fresh target for cancer therapy. <i>Nature</i> , 2009, 458, 709-710.	13.7	11
148	COP1 patrols the night beat. <i>Nature Cell Biology</i> , 2000, 2, E102-E104.	4.6	10
149	In-depth proteomic analysis of proteasome inhibitors bortezomib, carfilzomib and MG132 reveals that mortality factor 4-like 1 (MORF4L1) protein ubiquitylation is negatively impacted. <i>Journal of Proteomics</i> , 2021, 241, 104197.	1.2	10
150	Corralling a protein-degradation regulator. <i>Nature</i> , 2014, 512, 145-146.	13.7	9
151	Cell-free ubiquitination of cell cycle regulators in budding yeast extracts. <i>Methods in Enzymology</i> , 1997, 283, 365-376.	0.4	8
152	Redundant Degrons Ensure the Rapid Destruction of Sic1 at the G1/S Transition of the Budding Yeast Cell Cycle. <i>Cell Cycle</i> , 2003, 2, 409-410.	1.3	6
153	Transfer of ubiquitin protein caught in the act. <i>Nature</i> , 2020, 578, 372-373.	13.7	5
154	Targeted protein degradation: from small molecules to complex organelles—a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2022, 1510, 79-99.	1.8	5
155	Redundant degrons ensure the rapid destruction of Sic1 at the G1/S transition of the budding yeast cell cycle. <i>Cell Cycle</i> , 2003, 2, 410-1.	1.3	4
156	Phosphorylation and proteolysis: partners in the regulation of cell division in budding yeast. <i>Current Opinion in Genetics and Development</i> , 1997, 7, 424.	1.5	0