Jeffrey W Harper

List of Publications by Citations

223 papers	48,685 citations	99 h-index	220 g-index
251 ext. papers	55,923 ext. citations	20.6 avg, IF	7.43 L-index

#	Paper	IF	Citations
223	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
222	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
221	A map of the interactome network of the metazoan C. elegans. *Science*, **2004**, 303, 540-3	33.3	1398
220	The DNA damage response: ten years after. *Molecular Cell*, **2007**, 28, 739-45	17.6	1288
219	Network organization of the human autophagy system. *Nature*, **2010**, 466, 68-76	50.4	1185
218	SKP1 connects cell cycle regulators to the ubiquitin proteolysis machinery through a novel motif, the F-box. *Cell*, **1996**, 86, 263-74	56.2	1168
217	Systematic and quantitative assessment of the ubiquitin-modified proteome. *Molecular Cell*, **2011**, 44, 325-40	17.6	1163
216	Defining the human deubiquitinating enzyme interaction landscape. *Cell*, **2009**, 138, 389-403	56.2	1163
215	Structure of the Cul1-Rbx1-Skp1-F boxSkp2 SCF ubiquitin ligase complex. *Nature*, **2002**, 416, 703-9	50.4	1145
214	F-box proteins are receptors that recruit phosphorylated substrates to the SCF ubiquitin-ligase complex. *Cell*, **1997**, 91, 209-19	56.2	1047
213	The BioPlex Network: A Systematic Exploration of the Human Interactome. *Cell*, **2015**, 162, 425-440	56.2	908
212	Molecular definitions of autophagy and related processes. *EMBO Journal*, **2017**, 36, 1811-1836	13	857
211	Inhibition of cyclin-dependent kinases by p21. *Molecular Biology of the Cell*, **1995**, 6, 387-400	3.5	836
210	Architecture of the human interactome defines protein communities and disease networks. *Nature*, **2017**, 545, 505-509	50.4	755
209	The Keap1-BTB protein is an adaptor that bridges Nrf2 to a Cul3-based E3 ligase: oxidative stress sensing by a Cul3-Keap1 ligase. *Molecular and Cellular Biology*, **2004**, 24, 8477-86	4.8	748
208	The SCFbeta-TRCP-ubiquitin ligase complex associates specifically with phosphorylated destruction motifs in IkappaBalpha and beta-catenin and stimulates IkappaBalpha ubiquitination in vitro. *Genes and Development*, **1999**, 13, 270-83	12.6	735
207	Landscape of the PARKIN-dependent ubiquitylome in response to mitochondrial depolarization. *Nature*, **2013**, 496, 372-6	50.4	689

206	Quantitative proteomics identifies NCOA4 as the cargo receptor mediating ferritinophagy. *Nature*, **2014**, 509, 105-9	50.4	684
205	Altered cell differentiation and proliferation in mice lacking p57KIP2 indicates a role in Beckwith-Wiedemann syndrome. *Nature*, **1997**, 387, 151-8	50.4	672
204	The Fbw7 tumor suppressor regulates glycogen synthase kinase 3 phosphorylation-dependent c-Myc protein degradation. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 9085-90	11.5	668
203	Phosphorylation-dependent ubiquitination of cyclin E by the SCFFbw7 ubiquitin ligase. *Science*, **2001**, 294, 173-7	33.3	650
202	Exome sequencing in amyotrophic lateral sclerosis identifies risk genes and pathways. *Science*, **2015**, 347, 1436-41	33.3	642
201	Ubiquitin-like protein activation by E1 enzymes: the apex for downstream signalling pathways. *Nature Reviews Molecular Cell Biology*, **2009**, 10, 319-31	48.7	539
200	Structure of the DDB1-CRBN E3 ubiquitin ligase in complex with thalidomide. *Nature*, **2014**, 512, 49-53	50.4	508
199	Systematic analysis and nomenclature of mammalian F-box proteins. *Genes and Development*, **2004**, 18, 2573-80	12.6	503
198	Structure of a beta-TrCP1-Skp1-beta-catenin complex: destruction motif binding and lysine specificity of the SCF(beta-TrCP1) ubiquitin ligase. *Molecular Cell*, **2003**, 11, 1445-56	17.6	501
197	The PINK1-PARKIN Mitochondrial Ubiquitylation Pathway Drives a Program of OPTN/NDP52 Recruitment and TBK1 Activation to Promote Mitophagy. *Molecular Cell*, **2015**, 60, 7-20	17.6	489
196	Insights into SCF ubiquitin ligases from the structure of the Skp1-Skp2 complex. *Nature*, **2000**, 408, 381-6	50.4	487
195	A family of diverse Cul4-Ddb1-interacting proteins includes Cdt2, which is required for S phase destruction of the replication factor Cdt1. *Molecular Cell*, **2006**, 23, 709-21	17.6	476
194	Drug discovery in the ubiquitin-proteasome system. *Nature Reviews Drug Discovery*, **2006**, 5, 596-613	64.1	468
193	The CASTOR Proteins Are Arginine Sensors for the mTORC1 Pathway. *Cell*, **2016**, 165, 153-164	56.2	411
192	Quantitative proteomics reveal a feedforward mechanism for mitochondrial PARKIN translocation and ubiquitin chain synthesis. *Molecular Cell*, **2014**, 56, 360-375	17.6	401
191	How the cyclin became a cyclin: regulated proteolysis in the cell cycle. *Cell*, **1999**, 97, 431-4	56.2	388
190	BTB proteins are substrate-specific adaptors in an SCF-like modular ubiquitin ligase containing CUL-3. *Nature*, **2003**, 425, 316-21	50.4	383
189	The anaphase-promoting complex: it's not just for mitosis any more. *Genes and Development*, **2002**, 16, 2179-206	12.6	382

188	A calcium-regulated MEF2 sumoylation switch controls postsynaptic differentiation. *Science*, **2006**, 311, 1012-7	33.3	374
187	The Brd4 extraterminal domain confers transcription activation independent of pTEFb by recruiting multiple proteins, including NSD3. *Molecular and Cellular Biology*, **2011**, 31, 2641-52	4.8	355
186	Mammalian BTBD12/SLX4 assembles a Holliday junction resolvase and is required for DNA repair. *Cell*, **2009**, 138, 63-77	56.2	348
185	Structure of a Fbw7-Skp1-cyclin E complex: multisite-phosphorylated substrate recognition by SCF ubiquitin ligases. *Molecular Cell*, **2007**, 26, 131-43	17.6	339
184	Defining human ERAD networks through an integrative mapping strategy. *Nature Cell Biology*, **2011** , 14, 93-105	23.4	336
183	The v-Jun point mutation allows c-Jun to escape GSK3-dependent recognition and destruction by the Fbw7 ubiquitin ligase. *Cancer Cell*, **2005**, 8, 25-33	24.3	328
182	Cancer proliferation gene discovery through functional genomics. *Science*, **2008**, 319, 620-4	33.3	323
181	Control of lipid metabolism by phosphorylation-dependent degradation of the SREBP family of transcription factors by SCF(Fbw7). *Cell Metabolism*, **2005**, 1, 379-91	24.6	321
180	Structures of SPOP-substrate complexes: insights into molecular architectures of BTB-Cul3 ubiquitin ligases. *Molecular Cell*, **2009**, 36, 39-50	17.6	315
179	A family of mammalian F-box proteins. *Current Biology*, **1999**, 9, 1180-2	6.3	307
178	Anaphase initiation is regulated by antagonistic ubiquitination and deubiquitination activities. *Nature*, **2007**, 446, 876-81	50.4	299
177	Anticancer drug targets: cell cycle and checkpoint control. *Journal of Clinical Investigation*, **1999**, 104, 1645-53	15.9	295
176	Phosphorylation-dependent ubiquitination of cyclin D1 by the SCF(FBX4-alphaB crystallin) complex. *Molecular Cell*, **2006**, 24, 355-66	17.6	291
175	Building and decoding ubiquitin chains for mitophagy. *Nature Reviews Molecular Cell Biology*, **2018**, 19, 93-108	48.7	277
174	SCFbeta-TRCP links Chk1 signaling to degradation of the Cdc25A protein phosphatase. *Genes and Development*, **2003**, 17, 3062-74	12.6	271
173	Dynamics of cullin-RING ubiquitin ligase network revealed by systematic quantitative proteomics. *Cell*, **2010**, 143, 951-65	56.2	270
172	A genetic screen identifies FAN1, a Fanconi anemia-associated nuclease necessary for DNA interstrand crosslink repair. *Molecular Cell*, **2010**, 39, 36-47	17.6	261
171	Dual E1 activation systems for ubiquitin differentially regulate E2 enzyme charging. *Nature*, **2007**, 447, 1135-8	50.4	260

170	SCFbeta-TRCP controls oncogenic transformation and neural differentiation through REST degradation. *Nature*, **2008**, 452, 370-4	50.4	254
169	SAMTOR is an -adenosylmethionine sensor for the mTORC1 pathway. *Science*, **2017**, 358, 813-818	33.3	235
168	Endosome-ER Contacts Control Actin Nucleation and Retromer Function through VAP-Dependent Regulation of PI4P. *Cell*, **2016**, 166, 408-423	56.2	224
167	Endogenous Parkin Preserves Dopaminergic Substantia Nigral Neurons following Mitochondrial DNA Mutagenic Stress. *Neuron*, **2015**, 87, 371-81	13.9	216
166	Building and remodelling Cullin-RING E3 ubiquitin ligases. *EMBO Reports*, **2013**, 14, 1050-61	6.5	216
165	SCFbeta-TRCP controls clock-dependent transcription via casein kinase 1-dependent degradation of the mammalian period-1 (Per1) protein. *Journal of Biological Chemistry*, **2005**, 280, 26863-72	5.4	216
164	Defective cardiovascular development and elevated cyclin E and Notch proteins in mice lacking the Fbw7 F-box protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 3338-45	11.5	210
163	Human papillomavirus type 16 E7 oncoprotein associates with the cullin 2 ubiquitin ligase complex, which contributes to degradation of the retinoblastoma tumor suppressor. *Journal of Virology*, **2007**, 81, 9737-47	6.6	197
162	Ferritinophagy via NCOA4 is required for erythropoiesis and is regulated by iron dependent HERC2-mediated proteolysis. *ELife*, **2015**, 4,	8.9	195
161	N-terminal acetylation acts as an avidity enhancer within an interconnected multiprotein complex. *Science*, **2011**, 334, 674-8	33.3	194
160	Cyclin-dependent kinases. *Chemical Reviews*, **2001**, 101, 2511-26	68.1	193
159	mTOR drives its own activation via SCF(βTrCP)-dependent degradation of the mTOR inhibitor DEPTOR. *Molecular Cell*, **2011**, 44, 290-303	17.6	191
158	Defining roles of PARKIN and ubiquitin phosphorylation by PINK1 in mitochondrial quality control using a ubiquitin replacement strategy. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6637-42	11.5	182
157	The Prp19 complex and the Usp4Sart3 deubiquitinating enzyme control reversible ubiquitination at the spliceosome. *Genes and Development*, **2010**, 24, 1434-47	12.6	170
156	Constructing and decoding unconventional ubiquitin chains. *Nature Structural and Molecular Biology*, **2011**, 18, 520-8	17.6	168
155	Phosphorylation by casein kinase I promotes the turnover of the Mdm2 oncoprotein via the SCF(beta-TRCP) ubiquitin ligase. *Cancer Cell*, **2010**, 18, 147-59	24.3	164
154	A DNA damage response screen identifies RHINO, a 9-1-1 and TopBP1 interacting protein required for ATR signaling. *Science*, **2011**, 332, 1313-7	33.3	163
153	Mitochondrial Sirtuin Network Reveals Dynamic SIRT3-Dependent Deacetylation in Response to Membrane Depolarization. *Cell*, **2016**, 167, 985-1000.e21	56.2	157

152	Doc1 mediates the activity of the anaphase-promoting complex by contributing to substrate recognition. *EMBO Journal*, **2003**, 22, 786-96	13	154
151	Mitochondrial unfolded protein response controls matrix pre-RNA processing and translation. *Nature*, **2016**, 534, 710-3	50.4	152
150	The SIOD disorder protein SMARCAL1 is an RPA-interacting protein involved in replication fork restart. *Genes and Development*, **2009**, 23, 2415-25	12.6	151
149	Compensatory metabolic networks in pancreatic cancers upon perturbation of glutamine metabolism. *Nature Communications*, **2017**, 8, 15965	17.4	148
148	Systematic identification of interactions between host cell proteins and E7 oncoproteins from diverse human papillomaviruses. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E260-7	11.5	145
147	Excessive Cell Growth Causes Cytoplasm Dilution And Contributes to Senescence. *Cell*, **2019**, 176, 1083-1097.e18	56.2	144
146	Rab GTPase-activating proteins in autophagy: regulation of endocytic and autophagy pathways by direct binding to human ATG8 modifiers. *Molecular and Cellular Biology*, **2012**, 32, 1733-44	4.8	139
145	Comprehensive analysis of host cellular interactions with human papillomavirus E6 proteins identifies new E6 binding partners and reflects viral diversity. *Journal of Virology*, **2012**, 86, 13174-86	6.6	134
144	Proteome complexity and the forces that drive proteome imbalance. *Nature*, **2016**, 537, 328-38	50.4	133
143	Uba1 functions in Atg7- and Atg3-independent autophagy. *Nature Cell Biology*, **2013**, 15, 1067-78	23.4	130
142	DNA unwinding by ASCC3 helicase is coupled to ALKBH3-dependent DNA alkylation repair and cancer cell proliferation. *Molecular Cell*, **2011**, 44, 373-84	17.6	129
141	Genome-wide siRNA screen identifies SMCX, EP400, and Brd4 as E2-dependent regulators of human papillomavirus oncogene expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 3752-7	11.5	125
140	Structure of a RING E3 trapped in action reveals ligation mechanism for the ubiquitin-like protein NEDD8. *Cell*, **2014**, 157, 1671-84	56.2	121
139	Deletion of the Cul1 gene in mice causes arrest in early embryogenesis and accumulation of cyclin E. *Current Biology*, **1999**, 9, 1191-4	6.3	120
138	TEX264 Is an Endoplasmic Reticulum-Resident ATG8-Interacting Protein Critical for ER Remodeling during Nutrient Stress. *Molecular Cell*, **2019**, 74, 891-908.e10	17.6	115
137	Structural complexity in ubiquitin recognition. *Cell*, **2006**, 124, 1133-6	56.2	115
136	Highly Multiplexed Quantitative Mass Spectrometry Analysis of Ubiquitylomes. *Cell Systems*, **2016**, 3, 395-403.e4	10.6	115
135	System-Wide Modulation of HECT E3 Ligases with Selective Ubiquitin Variant Probes. *Molecular Cell* , **2016**, 62, 121-36	17.6	110

134	Mitochondrial Reprogramming Underlies Resistance to BCL-2 Inhibition in Lymphoid Malignancies. *Cancer Cell*, **2019**, 36, 369-384.e13	24.3	107
133	Two Distinct Types of E3 Ligases Work in Unison to Regulate Substrate Ubiquitylation. *Cell*, **2016**, 166, 1198-1214.e24	56.2	106
132	The role of Cdk7 in CAK function, a retro-retrospective. *Genes and Development*, **1998**, 12, 285-9	12.6	106
131	Recognition of phosphodegron motifs in human cyclin E by the SCF(Fbw7) ubiquitin ligase. *Journal of Biological Chemistry*, **2004**, 279, 50110-9	5.4	105
130	Quantifying ubiquitin signaling. *Molecular Cell*, **2015**, 58, 660-76	17.6	104
129	The tumor suppressor CYLD regulates entry into mitosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 8869-74	11.5	104
128	QIL1 is a novel mitochondrial protein required for MICOS complex stability and cristae morphology. *ELife*, **2015**, 4,	8.9	104
127	Identification and functional evaluation of cellular and viral factors involved in the alteration of nuclear architecture during herpes simplex virus 1 infection. *Journal of Virology*, **2005**, 79, 12840-51	6.6	103
126	Ubiquitin proteasome system (UPS): what can chromatin do for you?. *Current Opinion in Cell Biology*, **2007**, 19, 206-14	9	102
125	A Systematic Analysis of Factors Localized to Damaged Chromatin Reveals PARP-Dependent Recruitment of Transcription Factors. *Cell Reports*, **2015**, 11, 1486-500	10.6	100
124	Cutaneous human papillomavirus E6 proteins bind Mastermind-like coactivators and repress Notch signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1473-80	11.5	99
123	Dynamics of PARKIN-Dependent Mitochondrial Ubiquitylation in Induced Neurons and Model Systems Revealed by Digital Snapshot Proteomics. *Molecular Cell*, **2018**, 70, 211-227.e8	17.6	95
122	Cyclin C is a haploinsufficient tumour suppressor. *Nature Cell Biology*, **2014**, 16, 1080-91	23.4	94
121	Systematic analysis of ribophagy in human cells reveals bystander flux during selective autophagy. *Nature Cell Biology*, **2018**, 20, 135-143	23.4	92
120	Dual RING E3 Architectures Regulate Multiubiquitination and Ubiquitin Chain Elongation by APC/C. *Cell*, **2016**, 165, 1440-1453	56.2	91
119	TRAF2 and OTUD7B govern a ubiquitin-dependent switch that regulates mTORC2 signalling. *Nature* , **2017**, 545, 365-369	50.4	90
118	A genome-wide screen identifies p97 as an essential regulator of DNA damage-dependent CDT1 destruction. *Molecular Cell*, **2011**, 44, 72-84	17.6	89
117	Dual proteome-scale networks reveal cell-specific remodeling of the human interactome. *Cell*, **2021** , 184, 3022-3040.e28	56.2	86

116	Probing the Global Cellular Responses to Lipotoxicity Caused by Saturated Fatty Acids. *Molecular Cell*, **2019**, 74, 32-44.e8	17.6	84
115	A functional genomic screen identifies a role for TAO1 kinase in spindle-checkpoint signalling. *Nature Cell Biology*, **2007**, 9, 556-64	23.4	84
114	A premature-termination mutation in the Mus musculus cyclin-dependent kinase 3 gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 1682-1686	11.5	84
113	Protein destruction: adapting roles for Cks proteins. *Current Biology*, **2001**, 11, R431-5	6.3	83
112	Microcephaly Proteins Wdr62 and Aspm Define a Mother Centriole Complex Regulating Centriole Biogenesis, Apical Complex, and Cell Fate. *Neuron*, **2016**, 92, 813-828	13.9	82
111	The F-box protein FBX4 targets PIN2/TRF1 for ubiquitin-mediated degradation and regulates telomere maintenance. *Journal of Biological Chemistry*, **2006**, 281, 759-68	5.4	82
110	Biallelic Mutations in DNAJC12 Cause Hyperphenylalaninemia, Dystonia, and Intellectual Disability. *American Journal of Human Genetics*, **2017**, 100, 257-266	11	81
109	A genome-wide camptothecin sensitivity screen identifies a mammalian MMS22L-NFKBIL2 complex required for genomic stability. *Molecular Cell*, **2010**, 40, 645-57	17.6	81
108	The histone demethylase LSD1/KDM1A promotes the DNA damage response. *Journal of Cell Biology*, **2013**, 203, 457-70	7.3	80
107	An FTS/Hook/p107(FHIP) complex interacts with and promotes endosomal clustering by the homotypic vacuolar protein sorting complex. *Molecular Biology of the Cell*, **2008**, 19, 5059-71	3.5	80
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105	Induction of human Cdc37 in prostate cancer correlates with the ability of targeted Cdc37 expression to promote prostatic hyperplasia. *Oncogene*, **2000**, 19, 2186-93	9.2	78
104	Endosomal Rab cycles regulate Parkin-mediated mitophagy. *ELife*, **2018**, 7,	8.9	78
103	G1 cyclins link proliferation, pluripotency and differentiation of embryonic stem cells. *Nature Cell Biology*, **2017**, 19, 177-188	23.4	76
102	An oriented peptide array library (OPAL) strategy to study protein-protein interactions. *Journal of Biological Chemistry*, **2004**, 279, 8802-7	5.4	76
101	HiNF-P directly links the cyclin E/CDK2/p220NPAT pathway to histone H4 gene regulation at the G1/S phase cell cycle transition. *Molecular and Cellular Biology*, **2005**, 25, 6140-53	4.8	76
100	Rictor forms a complex with Cullin-1 to promote SGK1 ubiquitination and destruction. *Molecular Cell*, **2010**, 39, 797-808	17.6	75
99	GEN1/Yen1 and the SLX4 complex: Solutions to the problem of Holliday junction resolution. *Genes and Development*, **2010**, 24, 521-36	12.6	74

98	Structural conservation of distinctive N-terminal acetylation-dependent interactions across a family of mammalian NEDD8 ligation enzymes. *Structure*, **2013**, 21, 42-53	5.2	72
97	SCF(FBXO22) regulates histone H3 lysine 9 and 36 methylation levels by targeting histone demethylase KDM4A for ubiquitin-mediated proteasomal degradation. *Molecular and Cellular Biology*, **2011**, 31, 3687-99	4.8	72
96	Parallel SCF adaptor capture proteomics reveals a role for SCFFBXL17 in NRF2 activation via BACH1 repressor turnover. *Molecular Cell*, **2013**, 52, 9-24	17.6	71
95	Identification and proteomic analysis of distinct UBE3A/E6AP protein complexes. *Molecular and Cellular Biology*, **2012**, 32, 3095-106	4.8	70
94	RAB7A phosphorylation by TBK1 promotes mitophagy via the PINK-PARKIN pathway. *Science Advances*, **2018**, 4, eaav0443	14.3	70
93	Global Landscape and Dynamics of Parkin and USP30-Dependent Ubiquitylomes in iNeurons during Mitophagic Signaling. *Molecular Cell*, **2020**, 77, 1124-1142.e10	17.6	69
92	TIMMDC1/C3orf1 functions as a membrane-embedded mitochondrial complex I assembly factor through association with the MCIA complex. *Molecular and Cellular Biology*, **2014**, 34, 847-61	4.8	69
91	The X-linked intellectual disability protein PHF6 associates with the PAF1 complex and regulates neuronal migration in the mammalian brain. *Neuron*, **2013**, 78, 986-93	13.9	66
90	Treacher Collins syndrome TCOF1 protein cooperates with NBS1 in the DNA damage response. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 18631-6	11.5	64
89	Staged assembly of histone gene expression machinery at subnuclear foci in the abbreviated cell cycle of human embryonic stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 16964-9	11.5	64
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87	An OBSL1-Cul7Fbxw8 ubiquitin ligase signaling mechanism regulates Golgi morphology and dendrite patterning. *PLoS Biology*, **2011**, 9, e1001060	9.7	63
86	Systematic Analysis of Human Cells Lacking ATG8 Proteins Uncovers Roles for GABARAPs and the CCZ1/MON1 Regulator C18orf8/RMC1 in Macroautophagic and Selective Autophagic Flux. *Molecular and Cellular Biology*, **2018**, 38,	4.8	62
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84	TIRR regulates 53BP1 by masking its histone methyl-lysine binding function. *Nature*, **2017**, 543, 211-216	50.4	61
83	Understanding cullin-RING E3 biology through proteomics-based substrate identification. *Molecular and Cellular Proteomics*, **2012**, 11, 1541-50	7.6	57
82	Blocking an N-terminal acetylation-dependent protein interaction inhibits an E3 ligase. *Nature Chemical Biology*, **2017**, 13, 850-857	11.7	56
81	Cell cycle dependent phosphorylation and subnuclear organization of the histone gene regulator p220(NPAT) in human embryonic stem cells. *Journal of Cellular Physiology*, **2007**, 213, 9-17	7	53

80	The tumor-specific hyperactive forms of cyclin E are resistant to inhibition by p21 and p27. *Journal of Biological Chemistry*, **2005**, 280, 15148-57	5.4	52
79	Systematic proteomics of the VCP-UBXD adaptor network identifies a role for UBXN10 in regulating ciliogenesis. *Nature Cell Biology*, **2015**, 17, 1356-69	23.4	49
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76	A high-confidence interaction map identifies SIRT1 as a mediator of acetylation of USP22 and the SAGA coactivator complex. *Molecular and Cellular Biology*, **2013**, 33, 1487-502	4.8	47
75	Regulation of postsynaptic RapGAP SPAR by Polo-like kinase 2 and the SCFbeta-TRCP ubiquitin ligase in hippocampal neurons. *Journal of Biological Chemistry*, **2008**, 283, 29424-32	5.4	46
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73	Negative regulation of SCFSkp2 ubiquitin ligase by TGF-beta signaling. *Oncogene*, **2004**, 23, 1064-75	9.2	43
72	The endoplasmic reticulum P5A-ATPase is a transmembrane helix dislocase. *Science*, **2020**, 369,	33.3	43
71	Protein aggregation mediates stoichiometry of protein complexes in aneuploid cells. *Genes and Development*, **2019**, 33, 1031-1047	12.6	42
70	Implications for the ubiquitination reaction of the anaphase-promoting complex from the crystal structure of the Doc1/Apc10 subunit. *Journal of Molecular Biology*, **2002**, 316, 955-68	6.5	41
69	A premature-termination mutation in the Mus musculus cyclin-dependent kinase 3 gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 1682-6	11.5	41
68	Mutagenesis of aspartic acid-116 enhances the ribonucleolytic activity and angiogenic potency of angiogenin. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 7139-43	11.5	40
67	Cytokinesis involves a nontranscriptional function of the Hippo pathway effector YAP. *Science Signaling*, **2016**, 9, ra23	8.8	39
66	SLX-1 is required for maintaining genomic integrity and promoting meiotic noncrossovers in the Caenorhabditis elegans germline. *PLoS Genetics*, **2012**, 8, e1002888	6	38
65	NCoR1 mediates papillomavirus E8;E2C transcriptional repression. *Journal of Virology*, **2010**, 84, 4451-60	6.6	35
64	Dual Proteome-scale Networks Reveal Cell-specific Remodeling of the Human Interactome		34
63	Integrated proteogenetic analysis reveals the landscape of a mitochondrial-autophagosome synapse during PARK2-dependent mitophagy. *Science Advances*, **2019**, 5, eaay4624	14.3	34

62	Altered social behavior and neuronal development in mice lacking the Uba6-Use1 ubiquitin transfer system. *Molecular Cell*, **2013**, 50, 172-84	17.6	33
61	Brd4 regulation of papillomavirus protein E2 stability. *Journal of Virology*, **2009**, 83, 8683-92	6.6	33
60	Visualization of a highly organized intranuclear network of filaments in living mammalian cells. *Cytoskeleton*, **2004**, 59, 94-108		33
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58	Cyclin dependent kinase inhibitors. *Cancer Surveys*, **1997**, 29, 91-107		33
57	QIL1 mutation causes MICOS disassembly and early onset fatal mitochondrial encephalopathy with liver disease. *ELife*, **2016**, 5,	8.9	32
56	Mutations in RABL3 alter KRAS prenylation and are associated with hereditary pancreatic cancer. *Nature Genetics*, **2019**, 51, 1308-1314	36.3	31
55	Proteomic analysis and identification of cellular interactors of the giant ubiquitin ligase HERC2. *Journal of Proteome Research*, **2015**, 14, 953-66	5.6	30
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