

# Rachel E Klevit

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164 papers	11,081 citations	57 h-index	102 g-index
183 ext. papers	12,724 ext. citations	9.2 avg, IF	6.22 L-index

#	Paper	IF	Citations
164	Recognition of antimicrobial peptides by a bacterial sensor kinase. <i>Cell</i> , <b>2005</b> , 122, 461-72	56.2	439
163	Mutant adenosine deaminase 2 in a polyarteritis nodosa vasculopathy. <i>New England Journal of Medicine</i> , <b>2014</b> , 370, 921-31	59.2	409
162	Structure of a BRCA1-BARD1 heterodimeric RING-RING complex. <i>Nature Structural Biology</i> , <b>2001</b> , 8, 833-7		381
161	UBCH7 reactivity profile reveals parkin and HHARI to be RING/HECT hybrids. <i>Nature</i> , <b>2011</b> , 474, 105-8	50.4	369
160	Proof of principle for epitope-focused vaccine design. <i>Nature</i> , <b>2014</b> , 507, 201-6	50.4	365
159	RING-type E3 ligases: master manipulators of E2 ubiquitin-conjugating enzymes and ubiquitination. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2014</b> , 1843, 47-60	4.9	345
158	Binding and recognition in the assembly of an active BRCA1/BARD1 ubiquitin-ligase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 5646-51	11.5	280
157	E2-BRCA1 RING interactions dictate synthesis of mono- or specific polyubiquitin chain linkages. <i>Nature Structural and Molecular Biology</i> , <b>2007</b> , 14, 941-8	17.6	265
156	E2 enzymes: more than just middle men. <i>Cell Research</i> , <b>2016</b> , 26, 423-40	24.7	247
155	A Ubch5/ubiquitin noncovalent complex is required for processive BRCA1-directed ubiquitination. <i>Molecular Cell</i> , <b>2006</b> , 21, 873-80	17.6	229
154	Solid-state NMR and SAXS studies provide a structural basis for the activation of alphaB-crystallin oligomers. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 1037-42	17.6	228
153	Structure of an E3:E2~Ub complex reveals an allosteric mechanism shared among RING/U-box ligases. <i>Molecular Cell</i> , <b>2012</b> , 47, 933-42	17.6	217
152	Mutations in the DBP-deficiency protein HSD17B4 cause ovarian dysgenesis, hearing loss, and ataxia of Perrault Syndrome. <i>American Journal of Human Genetics</i> , <b>2010</b> , 87, 282-8	11	209
151	Structural basis for mechanical force regulation of the adhesin FimH via finger trap-like beta sheet twisting. <i>Cell</i> , <b>2010</b> , 141, 645-55	56.2	204
150	Mutations in mitochondrial histidyl tRNA synthetase HARS2 cause ovarian dysgenesis and sensorineural hearing loss of Perrault syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 6543-8	11.5	200
149	Activation of the bacterial sensor kinase PhoQ by acidic pH. <i>Molecular Cell</i> , <b>2007</b> , 26, 165-74	17.6	200
148	Mass spectrometric and mutational analyses reveal Lys-6-linked polyubiquitin chains catalyzed by BRCA1-BARD1 ubiquitin ligase. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 3916-24	5.4	174

147	N-terminal domain of alphaB-crystallin provides a conformational switch for multimerization and structural heterogeneity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 6409-14	11.5	159
146	Mutations in LARS2, encoding mitochondrial leucyl-tRNA synthetase, lead to premature ovarian failure and hearing loss in Perrault syndrome. <i>American Journal of Human Genetics</i> , <b>2013</b> , 92, 614-20	11	153
145	1H NMR studies on the interaction between distamycin A and a symmetrical DNA dodecamer. <i>Biochemistry</i> , <b>1986</b> , 25, 3296-303	3.2	150
144	Pharmacological chaperone for B-crystallin partially restores transparency in cataract models. <i>Science</i> , <b>2015</b> , 350, 674-7	33.3	145
143	Estrogen receptor alpha is a putative substrate for the BRCA1 ubiquitin ligase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 5794-9	11.5	140
142	E2s: structurally economical and functionally replete. <i>Biochemical Journal</i> , <b>2011</b> , 433, 31-42	3.8	137
141	OTUB1 co-opts Lys48-linked ubiquitin recognition to suppress E2 enzyme function. <i>Molecular Cell</i> , <b>2012</b> , 45, 384-97	17.6	135
140	Interaction of calmodulin and a calmodulin-binding peptide from myosin light chain kinase: major spectral changes in both occur as the result of complex formation. <i>Biochemistry</i> , <b>1985</b> , 24, 8152-7	3.2	130
139	Involvement of the carboxy-terminal residue in the active site of the histidine-containing protein, HPr, of the phosphoenolpyruvate:sugar phosphotransferase system of Escherichia coli. <i>Biochemistry</i> , <b>1991</b> , 30, 9601-7	3.2	129
138	The acidic transcription activator Gcn4 binds the mediator subunit Gal11/Med15 using a simple protein interface forming a fuzzy complex. <i>Molecular Cell</i> , <b>2011</b> , 44, 942-53	17.6	120
137	Solution structure of the sodium channel inactivation gate. <i>Biochemistry</i> , <b>1999</b> , 38, 855-61	3.2	116
136	Allosteric activation of the RNF146 ubiquitin ligase by a poly(ADP-ribosylation) signal. <i>Nature</i> , <b>2015</b> , 517, 223-6	50.4	115
135	Binding of the catabolite repressor protein CcpA to its DNA target is regulated by phosphorylation of its corepressor HPr. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 26530-5	5.4	110
134	Mapping the functional domains of BRCA1. Interaction of the ring finger domains of BRCA1 and BARD1. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 5659-65	5.4	109
133	One size does not fit all: the oligomeric states of B crystallin. <i>FEBS Letters</i> , <b>2013</b> , 587, 1073-80	3.8	108
132	Activity-enhancing mutations in an E3 ubiquitin ligase identified by high-throughput mutagenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E1263-72	11.5	108
131	Solution structure of a zinc finger domain of yeast ADR1. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>1990</b> , 7, 215-26	4.2	105
130	BRCA1 RING domain cancer-predisposing mutations. Structural consequences and effects on protein-protein interactions. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 41399-406	5.4	103

129	The growing world of small heat shock proteins: from structure to functions. <i>Cell Stress and Chaperones</i> , <b>2017</b> , 22, 601-611	4	101
128	Metal bridges between the PhoQ sensor domain and the membrane regulate transmembrane signaling. <i>Journal of Molecular Biology</i> , <b>2006</b> , 356, 1193-206	6.5	101
127	Ubiquitin in motion: structural studies of the ubiquitin-conjugating enzyme~ubiquitin conjugate. <i>Biochemistry</i> , <b>2011</b> , 50, 1624-33	3.2	99
126	Common structural changes accompany the functional inactivation of HPr by seryl phosphorylation or by serine to aspartate substitution. <i>Biochemistry</i> , <b>1989</b> , 28, 9908-12	3.2	99
125	alphaB-crystallin: a hybrid solid-state/solution-state NMR investigation reveals structural aspects of the heterogeneous oligomer. <i>Journal of Molecular Biology</i> , <b>2009</b> , 385, 1481-97	6.5	97
124	Two-dimensional 1H NMR studies of histidine-containing protein from Escherichia coli. 3. Secondary and tertiary structure as determined by NMR. <i>Biochemistry</i> , <b>1986</b> , 25, 7774-81	3.2	91
123	Binding determinants of the small heat shock protein, B-crystallin: recognition of the 'Ixl' motif. <i>EMBO Journal</i> , <b>2012</b> , 31, 4587-94	13	88
122	1H-NMR studies of calmodulin. The nature of the Ca2+-dependent conformational change. <i>FEBS Journal</i> , <b>1984</b> , 139, 109-14		84
121	Hemi-methylated DNA regulates DNA methylation inheritance through allosteric activation of H3 ubiquitylation by UHRF1. <i>ELife</i> , <b>2016</b> , 5,	8.9	80
120	Cyclic nucleotide binding GAF domains from phosphodiesterases: structural and mechanistic insights. <i>Structure</i> , <b>2009</b> , 17, 1551-1557	5.2	76
119	Two-dimensional NMR investigation of a bent DNA fragment: assignment of the proton resonances and preliminary structure analysis. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 5845-62	20.1	76
118	Mutations in Twinkle primase-helicase cause Perrault syndrome with neurologic features. <i>Neurology</i> , <b>2014</b> , 83, 2054-61	6.5	73
117	Ovothiols, a family of redox-active mercaptohistidine compounds from marine invertebrate eggs. <i>Biochemistry</i> , <b>1987</b> , 26, 4028-36	3.2	70
116	1H NMR studies of calmodulin. Resonance assignments by use of tryptic fragments. <i>FEBS Journal</i> , <b>1984</b> , 138, 281-9		70
115	Following Ariadne's thread: a new perspective on RBR ubiquitin ligases. <i>BMC Biology</i> , <b>2012</b> , 10, 24	7.3	69
114	Interaction of BARD1 and HP1 Is Required for BRCA1 Retention at Sites of DNA Damage. <i>Cancer Research</i> , <b>2015</b> , 75, 1311-21	10.1	68
113	RING-Between-RING E3 Ligases: Emerging Themes amid the Variations. <i>Journal of Molecular Biology</i> , <b>2017</b> , 429, 3363-3375	6.5	68
112	The cancer-predisposing mutation C61G disrupts homodimer formation in the NH2-terminal BRCA1 RING finger domain. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 7795-9	5.4	67

111	Ubiquitin transfer from the E2 perspective: why is Ubch5 so promiscuous?. <i>Cell Cycle</i> , <b>2006</b> , 5, 2867-73	4.7	66
110	Gcn4-Mediator Specificity Is Mediated by a Large and Dynamic Fuzzy Protein-Protein Complex. <i>Cell Reports</i> , <b>2018</b> , 22, 3251-3264	10.6	64
109	Solution structure of the phosphocarrier protein HPr from <i>Bacillus subtilis</i> by two-dimensional NMR spectroscopy. <i>Protein Science</i> , <b>1992</b> , 1, 1363-76	6.3	59
108	Structural insights into the conformation and oligomerization of E2~ubiquitin conjugates. <i>Biochemistry</i> , <b>2012</b> , 51, 4175-87	3.2	58
107	A sequence-specific transcription activator motif and powerful synthetic variants that bind Mediator using a fuzzy protein interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3506-13	11.5	55
106	Molecular insights into RBR E3 ligase ubiquitin transfer mechanisms. <i>EMBO Reports</i> , <b>2016</b> , 17, 1221-35	6.5	53
105	HspB1 and Hsc70 chaperones engage distinct tau species and have different inhibitory effects on amyloid formation. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 2687-2700	5.4	52
104	Structural consequences of histidine phosphorylation: NMR characterization of the phosphohistidine form of histidine-containing protein from <i>Bacillus subtilis</i> and <i>Escherichia coli</i> . <i>Biochemistry</i> , <b>1994</b> , 33, 15271-82	3.2	52
103	Regulating the Regulators: Recent Revelations in the Control of E3 Ubiquitin Ligases. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 21244-51	5.4	51
102	Similarities and differences between yeast and vertebrate calmodulin: an examination of the calcium-binding and structural properties of calmodulin from the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , <b>1993</b> , 32, 3261-70	3.2	50
101	Sequence-specific <sup>1</sup> H NMR resonance assignments of <i>Bacillus subtilis</i> HPr: use of spectra obtained from mutants to resolve spectral overlap. <i>Biochemistry</i> , <b>1990</b> , 29, 7191-200	3.2	49
100	E2~Ub conjugates regulate the kinase activity of <i>Shigella</i> effector OspG during pathogenesis. <i>EMBO Journal</i> , <b>2014</b> , 33, 437-49	13	46
99	Unraveling a bacterial hexose transport pathway. <i>Current Opinion in Structural Biology</i> , <b>1994</b> , 4, 814-22	8.1	46
98	Identification of an unconventional E3 binding surface on the Ubch5 ~ Ub conjugate recognized by a pathogenic bacterial E3 ligase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 2848-53	11.5	45
97	Two-dimensional <sup>1</sup> H NMR studies of histidine-containing protein from <i>Escherichia coli</i> . 1. Sequential resonance assignments. <i>Biochemistry</i> , <b>1986</b> , 25, 7760-9	3.2	45
96	Intrinsic disorder drives N-terminal ubiquitination by Ube2w. <i>Nature Chemical Biology</i> , <b>2015</b> , 11, 83-9	11.7	44
95	Ca <sup>2+</sup> -dependent conformational changes in bovine GCAP-2. <i>Protein Science</i> , <b>1998</b> , 7, 2675-80	6.3	42
94	A series of point mutations reveal interactions between the calcium-binding sites of calmodulin. <i>Protein Science</i> , <b>1992</b> , 1, 245-53	6.3	42

93	Phosphorylation of serine-46 in HPr, a key regulatory protein in bacteria, results in stabilization of its solution structure. <i>Protein Science</i> , <b>1995</b> , 4, 2478-86	6.3	41
92	Reexamination of the secondary and tertiary structure of histidine-containing protein from <i>Escherichia coli</i> by homonuclear and heteronuclear NMR spectroscopy. <i>Biochemistry</i> , <b>1991</b> , 30, 11842-50 <sup>3.2</sup>	41	
91	The structure of the GAF A domain from phosphodiesterase 6C reveals determinants of cGMP binding, a conserved binding surface, and a large cGMP-dependent conformational change. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 25913-9	5.4	40
90	A conserved histidine modulates HSPB5 structure to trigger chaperone activity in response to stress-related acidosis. <i>ELife</i> , <b>2015</b> , 4,	8.9	40
89	A Bifunctional Role for the UHRF1-UBL Domain in the Control of Hemi-methylated DNA-Dependent Histone Ubiquitylation. <i>Molecular Cell</i> , <b>2018</b> , 72, 753-765.e6	17.6	39
88	A Mechanism of Subunit Recruitment in Human Small Heat Shock Protein Oligomers. <i>Biochemistry</i> , <b>2015</b> , 54, 4276-84	3.2	38
87	Dynamic interactions of proteins in complex networks: identifying the complete set of interacting E2s for functional investigation of E3-dependent protein ubiquitination. <i>FEBS Journal</i> , <b>2009</b> , 276, 5381-9 <sup>5.7</sup>	38	
86	Prediction and structural characterization of an independently folding substructure in the src SH3 domain. <i>Journal of Molecular Biology</i> , <b>1998</b> , 283, 293-300	6.5	38
85	Mechanism of phosphoribosyl-ubiquitination mediated by a single <i>Legionella</i> effector. <i>Nature</i> , <b>2018</b> , 557, 729-733	50.4	38
84	Mechanisms of Small Heat Shock Proteins. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2019</b> , 11,	10.2	37
83	The PhoQ histidine kinases of <i>Salmonella</i> and <i>Pseudomonas</i> spp. are structurally and functionally different: evidence that pH and antimicrobial peptide sensing contribute to mammalian pathogenesis. <i>Molecular Microbiology</i> , <b>2008</b> , 69, 503-19	4.1	37
82	The uses and limitations of calmodulin antagonists <b>1989</b> , 44, 181-239		37
81	Activation of UbCH5c~Ub is the result of a shift in interdomain motions of the conjugate bound to U-box E3 ligase E4B. <i>Biochemistry</i> , <b>2013</b> , 52, 2991-9	3.2	35
80	Engineering a ubiquitin ligase reveals conformational flexibility required for ubiquitin transfer. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 26797-802	5.4	34
79	Ca <sup>2+</sup> binding to calmodulin and its role in <i>Schizosaccharomyces pombe</i> as revealed by mutagenesis and NMR spectroscopy. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 20643-52	5.4	34
78	Zinc finger diversity. <i>Current Opinion in Structural Biology</i> , <b>1994</b> , 4, 28-35	8.1	33
77	Structural Studies of HHARI/UbcH7~Ub Reveal Unique E2~Ub Conformational Restriction by RBR RING1. <i>Structure</i> , <b>2017</b> , 25, 890-900.e5	5.2	32
76	A disorder-to-order transition coupled to DNA binding in the essential zinc-finger DNA-binding domain of yeast ADR1. <i>Journal of Molecular Biology</i> , <b>1998</b> , 279, 929-43	6.5	32

75	Solution structure of the cGMP binding GAF domain from phosphodiesterase 5: insights into nucleotide specificity, dimerization, and cGMP-dependent conformational change. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 22749-59	5.4	31
74	Structure of the Ecrystallin domain from the redox-sensitive chaperone, HSPB1. <i>Journal of Biomolecular NMR</i> , <b>2015</b> , 63, 223-8	3	30
73	Demonstration of protein-protein interaction specificity by NMR chemical shift mapping. <i>Protein Science</i> , <b>1997</b> , 6, 2624-7	6.3	30
72	Crystal structure of the BARD1 ankyrin repeat domain and its functional consequences. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 21179-86	5.4	29
71	Phosphorylation on histidine is accompanied by localized structural changes in the phosphocarrier protein, HPr from <i>Bacillus subtilis</i> . <i>Protein Science</i> , <b>1997</b> , 6, 2107-19	6.3	29
70	Increased helix and protein stability through the introduction of a new tertiary hydrogen bond. <i>Journal of Molecular Biology</i> , <b>1999</b> , 286, 1609-19	6.5	28
69	Hydrogen bonding and equilibrium isotope enrichment in histidine-containing proteins. <i>Nature Structural and Molecular Biology</i> , <b>1996</b> , 3, 522-31	17.6	28
68	BARD1 is necessary for ubiquitylation of nucleosomal histone H2A and for transcriptional regulation of estrogen metabolism genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1316-1321	11.5	27
67	Structural and functional characterization of the monomeric U-box domain from E4B. <i>Biochemistry</i> , <b>2010</b> , 49, 347-55	3.2	27
66	A folding transition and novel zinc finger accessory domain in the transcription factor ADR1. <i>Nature Structural Biology</i> , <b>1999</b> , 6, 478-85		27
65	Influence of N-cap mutations on the structure and stability of <i>Escherichia coli</i> HPr. <i>Biochemistry</i> , <b>1996</b> , 35, 11268-77	3.2	27
64	Structures of DNA-binding mutant zinc finger domains: implications for DNA binding. <i>Protein Science</i> , <b>1993</b> , 2, 951-65	6.3	27
63	The whole is not the simple sum of its parts in calmodulin from <i>S. cerevisiae</i> . <i>Biochemistry</i> , <b>2000</b> , 39, 4225-30	5.3	25
62	Two-dimensional <sup>1</sup> H NMR studies of histidine-containing protein from <i>Escherichia coli</i> . 2. Leucine resonance assignments by long-range coherence transfer. <i>Biochemistry</i> , <b>1986</b> , 25, 7770-3	3.2	24
61	Two functionally distinct E2/E3 pairs coordinate sequential ubiquitination of a common substrate in development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E6576-E6584	11.5	23
60	Structure of a histidine-X4-histidine zinc finger domain: insights into ADR1-UAS1 protein-DNA recognition. <i>Biochemistry</i> , <b>1994</b> , 33, 4460-70	3.2	23
59	Interplay of disordered and ordered regions of a human small heat shock protein yields an ensemble of 'quasi-ordered' states. <i>ELife</i> , <b>2019</b> , 8,	8.9	23
58	Spectroscopic analyses of calmodulin and its interactions. <i>Methods in Enzymology</i> , <b>1983</b> , 102, 82-104	1.7	22



57	pH-dependent structural modulation is conserved in the human small heat shock protein HSBP1. <i>Cell Stress and Chaperones</i> , <b>2017</b> , 22, 569-575	4	21
56	BRCA1/BARD1 site-specific ubiquitylation of nucleosomal H2A is directed by BARD1. <i>Nature Structural and Molecular Biology</i> , <b>2021</b> , 28, 268-277	17.6	21
55	Tuning BRCA1 and BARD1 activity to investigate RING ubiquitin ligase mechanisms. <i>Protein Science</i> , <b>2017</b> , 26, 475-483	6.3	20
54	The essential Ubc4/Ubc5 function in yeast is HECT E3-dependent, and RING E3-dependent pathways require only monoubiquitin transfer by Ubc4. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 15165-15170	5.4	20
53	NMR chemical shift perturbation mapping of DNA binding by a zinc-finger domain from the yeast transcription factor ADR1. <i>Protein Science</i> , <b>1997</b> , 6, 1835-48	6.3	20
52	ADR1a, a zinc finger peptide, exists in two folded conformations. <i>Biochemistry</i> , <b>1991</b> , 30, 3365-71	3.2	20
51	Mechanism of DNA binding by the ADR1 zinc finger transcription factor as determined by SPR. <i>Journal of Molecular Biology</i> , <b>2003</b> , 329, 931-9	6.5	19
50	The ubiquitin-conjugating enzyme, UbcM2, is restricted to monoubiquitylation by a two-fold mechanism that involves backside residues of E2 and Lys48 of ubiquitin. <i>Biochemistry</i> , <b>2014</b> , 53, 4004-14	3.2	18
49	Acidic pH and divalent cation sensing by PhoQ are dispensable for systemic salmonellae virulence. <i>ELife</i> , <b>2015</b> , 4, e06792	8.9	18
48	Release of a disordered domain enhances HspB1 chaperone activity toward tau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 2923-2929	11.5	17
47	Structural basis for tankyrase-RNF146 interaction reveals noncanonical tankyrase-binding motifs. <i>Protein Science</i> , <b>2018</b> , 27, 1057-1067	6.3	15
46	De novo mutation in with epigenetic effects on neurodevelopment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1558-1563	11.5	15
45	Investigation of a side-chain-side-chain hydrogen bond by mutagenesis, thermodynamics, and NMR spectroscopy. <i>Protein Science</i> , <b>1995</b> , 4, 936-44	6.3	15
44	Structural insights into SAM domain-mediated tankyrase oligomerization. <i>Protein Science</i> , <b>2016</b> , 25, 1744-52	6.52	15
43	Paramagnetic cobalt as a probe of the orientation of an accessory DNA-binding region of the yeast ADR1 zinc-finger protein. <i>Biochemistry</i> , <b>1997</b> , 36, 14003-11	3.2	14
42	Legionella effector MavC targets the Ube2N~Ub conjugate for noncanonical ubiquitination. <i>Nature Communications</i> , <b>2020</b> , 11, 2365	17.4	11
41	Solution structure of sperm lysin yields novel insights into molecular dynamics of rapid protein evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1310-1315	11.5	11
40	Proton nuclear magnetic resonance studies on the variant-3 neurotoxin from <i>Centruroides sculpturatus</i> Ewing: sequential assignment of resonances. <i>Biochemistry</i> , <b>1989</b> , 28, 1548-55	3.2	11



39	Biochemical and structural characterization of the ubiquitin-conjugating enzyme UBE2W reveals the formation of a noncovalent homodimer. <i>Cell Biochemistry and Biophysics</i> , <b>2013</b> , 67, 103-10	3.2	10
38	Flavonoid regulation of HCN2 channels. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 33136-45	5.4	10
37	RING-between-RINGs--keeping the safety on loaded guns. <i>EMBO Journal</i> , <b>2012</b> , 31, 3792-4	13	10
36	Sequence-specific DNA recognition by Cys2, His2 zinc fingers. <i>Annals of the New York Academy of Sciences</i> , <b>1994</b> , 726, 92-102; discussion 102-4	6.5	10
35	Who with whom: functional coordination of E2 enzymes by RING E3 ligases during poly-ubiquitylation. <i>EMBO Journal</i> , <b>2020</b> , 39, e104863	13	10
34	Characterization of RING-Between-RING E3 Ubiquitin Transfer Mechanisms. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1844, 3-17	1.4	10
33	Peeking from behind the veil of enigma: emerging insights on small heat shock protein structure and function. <i>Cell Stress and Chaperones</i> , <b>2020</b> , 25, 573-580	4	9
32	Infantile onset spinocerebellar ataxia caused by compound heterozygosity for Twinkle mutations and modeling of Twinkle mutations causing recessive disease. <i>Journal of Physical Education and Sports Management</i> , <b>2016</b> , 2, a001107	2.8	9
31	Structural Biology: Parkin's Serpentine Shape Revealed in the Year of the Snake. <i>Current Biology</i> , <b>2013</b> , 23, R691-3	6.3	9
30	Proton nuclear magnetic resonance characterization of the aromatic residues in the variant-3 neurotoxin from <i>Centruroides sculpturatus</i> Ewing. <i>Biochemistry</i> , <b>1989</b> , 28, 1555-62	3.2	9
29	HSPB5 engages multiple states of a destabilized client to enhance chaperone activity in a stress-dependent manner. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 3261-3270	5.4	9
28	Solvent exchange rates of side-chain amide protons in proteins. <i>Journal of Biomolecular NMR</i> , <b>1998</b> , 11, 205-12	3	6
27	Multidimensional nuclear magnetic resonance spectroscopy of DNA-binding proteins. <i>Methods in Enzymology</i> , <b>1991</b> , 208, 63-82	1.7	6
26	Indirect sexual selection drives rapid sperm protein evolution in abalone. <i>ELife</i> , <b>2019</b> , 8,	8.9	6
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