Ning Zheng

List of Publications by Citations

82 papers	12,071 citations	41 h-index	97 g-index
97 ext. papers	14,343 ext. citations	24.7 avg, IF	6.46 L-index

#	Paper	IF	Citations
82	Structure of the Cul1-Rbx1-Skp1-F boxSkp2 SCF ubiquitin ligase complex. *Nature*, **2002**, 416, 703-9	50.4	1145
81	Mechanism of auxin perception by the TIR1 ubiquitin ligase. *Nature*, **2007**, 446, 640-5	50.4	1118
80	The crystal structure of a voltage-gated sodium channel. *Nature*, **2011**, 475, 353-8	50.4	1069
79	Jasmonate perception by inositol-phosphate-potentiated COI1-JAZ co-receptor. *Nature*, **2010**, 468, 400-5	50.4	951
78	Structure of a c-Cbl-UbcH7 complex: RING domain function in ubiquitin-protein ligases. *Cell*, **2000**, 102, 533-9	56.2	724
77	NPR3 and NPR4 are receptors for the immune signal salicylic acid in plants. *Nature*, **2012**, 486, 228-32	50.4	609
76	Ubiquitin Ligases: Structure, Function, and Regulation. *Annual Review of Biochemistry*, **2017**, 86, 129-157	29.1	534
75	Molecular architecture and assembly of the DDB1-CUL4A ubiquitin ligase machinery. *Nature*, **2006**, 443, 590-3	50.4	497
74	D14-SCF(D3)-dependent degradation of D53 regulates strigolactone signalling. *Nature*, **2013**, 504, 406-10	50.4	483
73	Crystal structure of a voltage-gated sodium channel in two potentially inactivated states. *Nature*, **2012**, 486, 135-9	50.4	377
72	A combinatorial TIR1/AFB-Aux/IAA co-receptor system for differential sensing of auxin. *Nature Chemical Biology*, **2012**, 8, 477-85	11.7	371
71	Structural basis for Ca2+ selectivity of a voltage-gated calcium channel. *Nature*, **2014**, 505, 56-61	50.4	231
70	Structural basis of the Cks1-dependent recognition of p27(Kip1) by the SCF(Skp2) ubiquitin ligase. *Molecular Cell*, **2005**, 20, 9-19	17.6	223
69	Structure of the Cand1-Cul1-Roc1 complex reveals regulatory mechanisms for the assembly of the multisubunit cullin-dependent ubiquitin ligases. *Cell*, **2004**, 119, 517-28	56.2	214
68	Structure of DDB1 in complex with a paramyxovirus V protein: viral hijack of a propeller cluster in ubiquitin ligase. *Cell*, **2006**, 124, 105-17	56.2	206
67	Crystal structure of the plant dual-affinity nitrate transporter NRT1.1. *Nature*, **2014**, 507, 73-7	50.4	198
66	Cand1 promotes assembly of new SCF complexes through dynamic exchange of F box proteins. *Cell* , **2013**, 153, 206-15	56.2	169

65	Structural assembly of cullin-RING ubiquitin ligase complexes. *Current Opinion in Structural Biology*, **2010**, 20, 714-21	8.1	166
64	Structural regulation of cullin-RING ubiquitin ligase complexes. *Current Opinion in Structural Biology* , **2011**, 21, 257-64	8.1	154
63	SCF(FBXL3) ubiquitin ligase targets cryptochromes at their cofactor pocket. *Nature*, **2013**, 496, 64-8	50.4	152
62	A promiscuous alpha-helical motif anchors viral hijackers and substrate receptors to the CUL4-DDB1 ubiquitin ligase machinery. *Nature Structural and Molecular Biology*, **2010**, 17, 105-11	17.6	143
61	Structural basis for assembly and activation of the heterotetrameric SAGA histone H2B deubiquitinase module. *Cell*, **2010**, 141, 606-17	56.2	140
60	Auxin perception--structural insights. *Cold Spring Harbor Perspectives in Biology*, **2010**, 2, a005546	10.2	122
59	Structural basis for inhibition of a voltage-gated Ca channel by Ca antagonist drugs. *Nature*, **2016**, 537, 117-121	50.4	121
58	VIH2 Regulates the Synthesis of Inositol Pyrophosphate InsP8 and Jasmonate-Dependent Defenses in Arabidopsis. *Plant Cell*, **2015**, 27, 1082-97	11.6	99
57	Structure of the Cardiac Sodium Channel. *Cell*, **2020**, 180, 122-134.e10	56.2	99
56	Catalysis of Na+ permeation in the bacterial sodium channel Na(V)Ab. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11331-6	11.5	94
55	The chemical basis for electrical signaling. *Nature Chemical Biology*, **2017**, 13, 455-463	11.7	93
54	Structures of closed and open states of a voltage-gated sodium channel. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E3051-E3060	11.5	93
53	Structural plasticity of D3-D14 ubiquitin ligase in strigolactone signalling. *Nature*, **2018**, 563, 652-656	50.4	76
52	Resting-State Structure and Gating Mechanism of a Voltage-Gated Sodium Channel. *Cell*, **2019**, 178, 993-1003.e12	36.2	75
51	Fbw7 dimerization determines the specificity and robustness of substrate degradation. *Genes and Development*, **2013**, 27, 2531-6	12.6	68
50	Molecular assembly of the period-cryptochrome circadian transcriptional repressor complex. *ELife*, **2014**, 3, e03674	8.9	65
49	Crystal structure of mammalian cryptochrome in complex with a small molecule competitor of its ubiquitin ligase. *Cell Research*, **2013**, 23, 1417-9	24.7	59
48	C-Terminal End-Directed Protein Elimination by CRL2 Ubiquitin Ligases. *Molecular Cell*, **2018**, 70, 602-613.e3	14.5	59

47	Crystal Structure of the COMPASS H3K4 Methyltransferase Catalytic Module. *Cell*, **2018**, 174, 1106-1116.e9	50.2	50
46	USP1 Is Required for Replication Fork Protection in BRCA1-Deficient Tumors. *Molecular Cell*, **2018**, 72, 925-941.e4	17.6	50
45	Deciphering voltage-gated Na(+) and Ca(2+) channels by studying prokaryotic ancestors. *Trends in Biochemical Sciences*, **2015**, 40, 526-34	10.3	48
44	Rate Motifs Tune Auxin/Indole-3-Acetic Acid Degradation Dynamics. *Plant Physiology*, **2015**, 169, 803-13	6.6	44
43	FBXL5 Regulates IRP2 Stability in Iron Homeostasis via an Oxygen-Responsive [2Fe2S] Cluster. *Molecular Cell*, **2020**, 78, 31-41.e5	17.6	41
42	Structural Basis of H2B Ubiquitination-Dependent H3K4 Methylation by COMPASS. *Molecular Cell*, **2019**, 76, 712-723.e4	17.6	40
41	Fenestrations control resting-state block of a voltage-gated sodium channel. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13111-13116	11.5	40
40	Suramin inhibits cullin-RING E3 ubiquitin ligases. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E2011-8	11.5	39
39	Allosteric Activation of Ubiquitin-Specific Proteases by β-Propeller Proteins UAF1 and WDR20. *Molecular Cell*, **2016**, 63, 249-260	17.6	39
38	Molecular Mechanism Underlying the Plant NRT1.1 Dual-Affinity Nitrate Transporter. *Frontiers in Physiology*, **2015**, 6, 386	4.6	38
37	Plant ubiquitin ligases as signaling hubs. *Nature Structural and Molecular Biology*, **2014**, 21, 293-6	17.6	37
36	Crystal structure of a TAF1-TAF7 complex in human transcription factor IID reveals a promoter binding module. *Cell Research*, **2014**, 24, 1433-44	24.7	36
35	Structural basis of salicylic acid perception by Arabidopsis NPR proteins. *Nature*, **2020**, 586, 311-316	50.4	35
34	Bipartite anchoring of SCREAM enforces stomatal initiation by coupling MAP kinases to SPEECHLESS. *Nature Plants*, **2019**, 5, 742-754	11.5	33
33	Structural basis for gating pore current in periodic paralysis. *Nature*, **2018**, 557, 590-594	50.4	33
32	Recognition of the Diglycine C-End Degron by CRL2 Ubiquitin Ligase. *Molecular Cell*, **2018**, 72, 813-822.e4	17.6	30
31	Gln40 deamidation blocks structural reconfiguration and activation of SCF ubiquitin ligase complex by Nedd8. *Nature Communications*, **2015**, 6, 10053	17.4	29
30	GGTase3 is a newly identified geranylgeranyltransferase targeting a ubiquitin ligase. *Nature Structural and Molecular Biology*, **2019**, 26, 628-636	17.6	28

29	Structural dynamics of the human COP9 signalosome revealed by cross-linking mass spectrometry and integrative modeling. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 4088-4098	11.5	28
28	Dynamics at the serine loop underlie differential affinity of cryptochromes for CLOCK:BMAL1 to control circadian timing. *ELife*, **2020**, 9,	8.9	27
27	Structural mechanism for the recognition and ubiquitination of a single nucleosome residue by Rad6-Bre1. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10553-8	11.5	26
26	Inositol hexakisphosphate (IP6) generated by IP5K mediates cullin-COP9 signalosome interactions and CRL function. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3503-8	11.5	25
25	A dual molecular analogue tuner for dissecting protein function in mammalian cells. *Nature Communications*, **2016**, 7, 11742	17.4	25
24	Inositol Polyphosphate Binding Specificity of the Jasmonate Receptor Complex. *Plant Physiology*, **2016**, 171, 2364-70	6.6	20
23	Structural Basis for Diltiazem Block of a Voltage-Gated Ca Channel. *Molecular Pharmacology*, **2019**, 96, 485-492	4.3	19
22	Structural basis for voltage-sensor trapping of the cardiac sodium channel by a deathstalker scorpion toxin. *Nature Communications*, **2021**, 12, 128	17.4	18
21	Structural Basis for High-Affinity Trapping of the Na1.7 Channel in Its Resting State by Tarantula Toxin. *Molecular Cell*, **2021**, 81, 38-48.e4	17.6	17
20	Zinc knuckle of TAF1 is a DNA binding module critical for TFIID promoter occupancy. *Scientific Reports*, **2018**, 8, 4630	4.9	15
19	Structure of an Inner Membrane Protein Required for PhoPQ-Regulated Increases in Outer Membrane Cardiolipin. *MBio*, **2020**, 11,	7.8	14
18	Structural Biology of CRL Ubiquitin Ligases. *Advances in Experimental Medicine and Biology*, **2020**, 1217, 9-31	3.6	14
17	Molecular dissection of multiphase inactivation of the bacterial sodium channel NaAb. *Journal of General Physiology*, **2019**, 151, 174-185	3.4	13
16	Open-state structure and pore gating mechanism of the cardiac sodium channel. *Cell*, **2021**, 184, 5151-5162.e11	56.2	11
15	Structural insights into DDA1 function as a core component of the CRL4-DDB1 ubiquitin ligase. *Cell Discovery*, **2018**, 4, 67	22.3	10
14	The Antiresection Activity of the X Protein Encoded by Hepatitis Virus B. *Hepatology*, **2019**, 69, 2546-2561	11.2	8
13	Scribble co-operatively binds multiple adrenergic receptor C-terminal PDZ ligands. *Scientific Reports*, **2019**, 9, 14073	4.9	6
12	A ubiquitin-like protein unleashes ubiquitin ligases. *Cell*, **2008**, 135, 209-11	56.2	6

11	The conformational cycle of a prototypical voltage-gated sodium channel. *Nature Chemical Biology*, **2020**, 16, 1314-1320	11.7	6
10	ITPK1-Dependent Inositol Polyphosphates Regulate Auxin Responses inArabidopsis thaliana		4
9	Degronomics: Mapping the Interacting Peptidome of a Ubiquitin Ligase Using an Integrative Mass Spectrometry Strategy. *Analytical Chemistry*, **2019**, 91, 12775-12783	7.8	3
8	Defining molecular glues with a dual-nanobody cannabidiol sensor.. *Nature Communications*, **2022**, 13, 815	17.4	3
7	Sumoylation of the human histone H4 tail inhibits p300-mediated transcription by RNA polymerase II in cellular extracts. *ELife*, **2021**, 10,	8.9	2
6	Two diphosphorylated degrons control c-Myc degradation by the Fbw7 tumor suppressor.. *Science Advances*, **2022**, 8, eabl7872	14.3	1
5	Beyond PKA: Evolutionary and structural insights that define a docking and dimerization domain superfamily. *Journal of Biological Chemistry*, **2021**, 297, 100927	5.4	1
4	Expression and purification of the cardiac sodium channel Na1.5 for cryo-EM structure determination. *Methods in Enzymology*, **2021**, 653, 89-101	1.7	0
3	Overview of Protein Degradation in Plant Hormone Signaling **2018**, 11-30		
2	The Structural Biology of UbiquitinÐrotein Ligases **2005**, 156-189		
1	The Structural Biology of UbiquitinÐrotein Ligases156-189		