

Ning Zheng

List of Publications by Year in Descending Order

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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.

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	Two diphosphorylated degrons control c-Myc degradation by the Fbw7 tumor suppressor.. <i>Science Advances</i> , 2022 , 8, eabl7872	14.3	1
81	Defining molecular glues with a dual-nanobody cannabidiol sensor.. <i>Nature Communications</i> , 2022 , 13, 815	17.4	3
80	Sumoylation of the human histone H4 tail inhibits p300-mediated transcription by RNA polymerase II in cellular extracts. <i>ELife</i> , 2021 , 10,	8.9	2
79	Structural Basis for High-Affinity Trapping of the Na1.7 Channel in Its Resting State by Tarantula Toxin. <i>Molecular Cell</i> , 2021 , 81, 38-48.e4	17.6	17
78	Structural basis for voltage-sensor trapping of the cardiac sodium channel by a deathstalker scorpion toxin. <i>Nature Communications</i> , 2021 , 12, 128	17.4	18
77	Expression and purification of the cardiac sodium channel Na1.5 for cryo-EM structure determination. <i>Methods in Enzymology</i> , 2021 , 653, 89-101	1.7	0
76	Beyond PKA: Evolutionary and structural insights that define a docking and dimerization domain superfamily. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100927	5.4	1
75	Open-state structure and pore gating mechanism of the cardiac sodium channel. <i>Cell</i> , 2021 , 184, 5151-5162.e11	16.2	11
74	Structural dynamics of the human COP9 signalosome revealed by cross-linking mass spectrometry and integrative modeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4088-4098	11.5	28
73	FBXL5 Regulates IRP2 Stability in Iron Homeostasis via an Oxygen-Responsive [2Fe2S] Cluster. <i>Molecular Cell</i> , 2020 , 78, 31-41.e5	17.6	41
72	Structure of an Inner Membrane Protein Required for PhoPQ-Regulated Increases in Outer Membrane Cardiolipin. <i>MBio</i> , 2020 , 11,	7.8	14
71	Dynamics at the serine loop underlie differential affinity of cryptochromes for CLOCK:BMAL1 to control circadian timing. <i>ELife</i> , 2020 , 9,	8.9	27
70	Structural Biology of CRL Ubiquitin Ligases. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1217, 9-31	3.6	14
69	Structure of the Cardiac Sodium Channel. <i>Cell</i> , 2020 , 180, 122-134.e10	56.2	99
68	The conformational cycle of a prototypical voltage-gated sodium channel. <i>Nature Chemical Biology</i> , 2020 , 16, 1314-1320	11.7	6
67	Structural basis of salicylic acid perception by Arabidopsis NPR proteins. <i>Nature</i> , 2020 , 586, 311-316	50.4	35
66	Degronomics: Mapping the Interacting Peptidome of a Ubiquitin Ligase Using an Integrative Mass Spectrometry Strategy. <i>Analytical Chemistry</i> , 2019 , 91, 12775-12783	7.8	3

65	Scribble co-operatively binds multiple adrenergic receptor C-terminal PDZ ligands. <i>Scientific Reports</i> , 2019 , 9, 14073	4.9	6
64	GGTase3 is a newly identified geranylgeranyltransferase targeting a ubiquitin ligase. <i>Nature Structural and Molecular Biology</i> , 2019 , 26, 628-636	17.6	28
63	Bipartite anchoring of SCREAM enforces stomatal initiation by coupling MAP kinases to SPEECHLESS. <i>Nature Plants</i> , 2019 , 5, 742-754	11.5	33
62	Resting-State Structure and Gating Mechanism of a Voltage-Gated Sodium Channel. <i>Cell</i> , 2019 , 178, 993-1003.e12	50.3	12
61	Structural Basis for Diltiazem Block of a Voltage-Gated Ca Channel. <i>Molecular Pharmacology</i> , 2019 , 96, 485-492	4.3	19
60	Structural Basis of H2B Ubiquitination-Dependent H3K4 Methylation by COMPASS. <i>Molecular Cell</i> , 2019 , 76, 712-723.e4	17.6	40
59	The Antiresection Activity of the X Protein Encoded by Hepatitis Virus B. <i>Hepatology</i> , 2019 , 69, 2546-2561.e2	11.2	8
58	Molecular dissection of multiphase inactivation of the bacterial sodium channel NaAb. <i>Journal of General Physiology</i> , 2019 , 151, 174-185	3.4	13
57	Zinc knuckle of TAF1 is a DNA binding module critical for TFIID promoter occupancy. <i>Scientific Reports</i> , 2018 , 8, 4630	4.9	15
56	Overview of Protein Degradation in Plant Hormone Signaling 2018 , 11-30		
55	Crystal Structure of the COMPASS H3K4 Methyltransferase Catalytic Module. <i>Cell</i> , 2018 , 174, 1106-1116.e9	50.2	50
54	Structural plasticity of D3-D14 ubiquitin ligase in strigolactone signalling. <i>Nature</i> , 2018 , 563, 652-656	50.4	76
53	USP1 Is Required for Replication Fork Protection in BRCA1-Deficient Tumors. <i>Molecular Cell</i> , 2018 , 72, 925-941.e4	17.6	50
52	Structural insights into DDA1 function as a core component of the CRL4-DDB1 ubiquitin ligase. <i>Cell Discovery</i> , 2018 , 4, 67	22.3	10
51	Recognition of the Diglycine C-End Degron by CRL2 Ubiquitin Ligase. <i>Molecular Cell</i> , 2018 , 72, 813-822.e4	47.6	30
50	Fenestrations control resting-state block of a voltage-gated sodium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13111-13116	11.5	40
49	Structural basis for gating pore current in periodic paralysis. <i>Nature</i> , 2018 , 557, 590-594	50.4	33
48	C-Terminal End-Directed Protein Elimination by CRL2 Ubiquitin Ligases. <i>Molecular Cell</i> , 2018 , 70, 602-613.e3	17.3	59

47	The chemical basis for electrical signaling. <i>Nature Chemical Biology</i> , 2017 , 13, 455-463	11.7	93
46	Ubiquitin Ligases: Structure, Function, and Regulation. <i>Annual Review of Biochemistry</i> , 2017 , 86, 129-157	29.1	534
45	Structures of closed and open states of a voltage-gated sodium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E3051-E3060	11.5	93
44	Structural basis for inhibition of a voltage-gated Ca channel by Ca antagonist drugs. <i>Nature</i> , 2016 , 537, 117-121	50.4	121
43	Inositol Polyphosphate Binding Specificity of the Jasmonate Receptor Complex. <i>Plant Physiology</i> , 2016 , 171, 2364-70	6.6	20
42	Inositol hexakisphosphate (IP6) generated by IP5K mediates cullin-COP9 signalosome interactions and CRL function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3503-8	11.5	25
41	Suramin inhibits cullin-RING E3 ubiquitin ligases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E2011-8	11.5	39
40	Allosteric Activation of Ubiquitin-Specific Proteases by Propeller Proteins UAF1 and WDR20. <i>Molecular Cell</i> , 2016 , 63, 249-260	17.6	39
39	A dual molecular analogue tuner for dissecting protein function in mammalian cells. <i>Nature Communications</i> , 2016 , 7, 11742	17.4	25
38	Structural mechanism for the recognition and ubiquitination of a single nucleosome residue by Rad6-Bre1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10553-8	11.5	26
37	Deciphering voltage-gated Na(+) and Ca(2+) channels by studying prokaryotic ancestors. <i>Trends in Biochemical Sciences</i> , 2015 , 40, 526-34	10.3	48
36	Rate Motifs Tune Auxin/Indole-3-Acetic Acid Degradation Dynamics. <i>Plant Physiology</i> , 2015 , 169, 803-13	6.6	44
35	Molecular Mechanism Underlying the Plant NRT1.1 Dual-Affinity Nitrate Transporter. <i>Frontiers in Physiology</i> , 2015 , 6, 386	4.6	38
34	VIH2 Regulates the Synthesis of Inositol Pyrophosphate InsP8 and Jasmonate-Dependent Defenses in Arabidopsis. <i>Plant Cell</i> , 2015 , 27, 1082-97	11.6	99
33	Gln40 deamidation blocks structural reconfiguration and activation of SCF ubiquitin ligase complex by Nedd8. <i>Nature Communications</i> , 2015 , 6, 10053	17.4	29
32	Plant ubiquitin ligases as signaling hubs. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 293-6	17.6	37
31	Structural basis for Ca ²⁺ selectivity of a voltage-gated calcium channel. <i>Nature</i> , 2014 , 505, 56-61	50.4	231
30	Crystal structure of the plant dual-affinity nitrate transporter NRT1.1. <i>Nature</i> , 2014 , 507, 73-7	50.4	198

29	Molecular assembly of the period-cryptochrome circadian transcriptional repressor complex. <i>ELife</i> , 2014 , 3, e03674	8.9	65
28	Crystal structure of a TAF1-TAF7 complex in human transcription factor IID reveals a promoter binding module. <i>Cell Research</i> , 2014 , 24, 1433-44	24.7	36
27	Fbw7 dimerization determines the specificity and robustness of substrate degradation. <i>Genes and Development</i> , 2013 , 27, 2531-6	12.6	68
26	D14-SCF(D3)-dependent degradation of D53 regulates strigolactone signalling. <i>Nature</i> , 2013 , 504, 406-10	50.4	483
25	Catalysis of Na ⁺ permeation in the bacterial sodium channel Na(V)Ab. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11331-6	11.5	94
24	Cand1 promotes assembly of new SCF complexes through dynamic exchange of F box proteins. <i>Cell</i> , 2013 , 153, 206-15	56.2	169
23	SCF(FBXL3) ubiquitin ligase targets cryptochromes at their cofactor pocket. <i>Nature</i> , 2013 , 496, 64-8	50.4	152
22	Crystal structure of mammalian cryptochrome in complex with a small molecule competitor of its ubiquitin ligase. <i>Cell Research</i> , 2013 , 23, 1417-9	24.7	59
21	A combinatorial TIR1/AFB-Aux/IAA co-receptor system for differential sensing of auxin. <i>Nature Chemical Biology</i> , 2012 , 8, 477-85	11.7	371
20	Crystal structure of a voltage-gated sodium channel in two potentially inactivated states. <i>Nature</i> , 2012 , 486, 135-9	50.4	377
19	NPR3 and NPR4 are receptors for the immune signal salicylic acid in plants. <i>Nature</i> , 2012 , 486, 228-32	50.4	609
18	Structural regulation of cullin-RING ubiquitin ligase complexes. <i>Current Opinion in Structural Biology</i> , 2011 , 21, 257-64	8.1	154
17	The crystal structure of a voltage-gated sodium channel. <i>Nature</i> , 2011 , 475, 353-8	50.4	1069
16	A promiscuous alpha-helical motif anchors viral hijackers and substrate receptors to the CUL4-DDB1 ubiquitin ligase machinery. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 105-11	17.6	143
15	Jasmonate perception by inositol-phosphate-potentiated COI1-JAZ co-receptor. <i>Nature</i> , 2010 , 468, 400-5	50.4	951
14	Auxin perception--structural insights. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010 , 2, a005546	10.2	122
13	Structural basis for assembly and activation of the heterotetrameric SAGA histone H2B deubiquitinase module. <i>Cell</i> , 2010 , 141, 606-17	56.2	140
12	Structural assembly of cullin-RING ubiquitin ligase complexes. <i>Current Opinion in Structural Biology</i> , 2010 , 20, 714-21	8.1	166

11	A ubiquitin-like protein unleashes ubiquitin ligases. <i>Cell</i> , 2008 , 135, 209-11	56.2	6
10	Mechanism of auxin perception by the TIR1 ubiquitin ligase. <i>Nature</i> , 2007 , 446, 640-5	50.4	1118
9	Structure of DDB1 in complex with a paramyxovirus V protein: viral hijack of a propeller cluster in ubiquitin ligase. <i>Cell</i> , 2006 , 124, 105-17	56.2	206
8	Molecular architecture and assembly of the DDB1-CUL4A ubiquitin ligase machinery. <i>Nature</i> , 2006 , 443, 590-3	50.4	497
7	Structural basis of the Cks1-dependent recognition of p27(Kip1) by the SCF(Skp2) ubiquitin ligase. <i>Molecular Cell</i> , 2005 , 20, 9-19	17.6	223
6	The Structural Biology of Ubiquitin Protein Ligases 2005 , 156-189		
5	Structure of the Cand1-Cul1-Roc1 complex reveals regulatory mechanisms for the assembly of the multisubunit cullin-dependent ubiquitin ligases. <i>Cell</i> , 2004 , 119, 517-28	56.2	214
4	Structure of the Cul1-Rbx1-Skp1-F boxSkp2 SCF ubiquitin ligase complex. <i>Nature</i> , 2002 , 416, 703-9	50.4	1145
3	Structure of a c-Cbl-UbcH7 complex: RING domain function in ubiquitin-protein ligases. <i>Cell</i> , 2000 , 102, 533-9	56.2	724
2	ITPK1-Dependent Inositol Polyphosphates Regulate Auxin Responses in <i>Arabidopsis thaliana</i>		4
1	The Structural Biology of Ubiquitin Protein Ligases 156-189		