

Ziguo Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

6,279
citations

136740

32
h-index

223531

46
g-index

50
all docs

50
docs citations

50
times ranked

7918
citing authors

#	ARTICLE	IF	CITATIONS
1	Subcellular localization of H ₂ O ₂ in plants. H ₂ O ₂ accumulation in papillae and hypersensitive response during the barley-powdery mildew interaction. <i>Plant Journal</i> , 1997, 11, 1187-1194.	2.8	2,406
2	Structure of the mitotic checkpoint complex. <i>Nature</i> , 2012, 484, 208-213.	13.7	270
3	Atomic structure of the APC/C and its mechanism of protein ubiquitination. <i>Nature</i> , 2015, 522, 450-454.	13.7	208
4	Germin-like oxalate oxidase, a H ₂ O ₂ -producing enzyme, accumulates in barley attacked by the powdery mildew fungus. <i>Plant Journal</i> , 1995, 8, 139-145.	2.8	192
5	Molecular architecture and mechanism of the anaphase-promoting complex. <i>Nature</i> , 2014, 513, 388-393.	13.7	180
6	Molecular basis of APC/C regulation by the spindle assembly checkpoint. <i>Nature</i> , 2016, 536, 431-436.	13.7	178
7	Powdery mildew fungal effector candidates share N-terminal Y/F/WxC-motif. <i>BMC Genomics</i> , 2010, 11, 317.	1.2	177
8	Structures of APC/CCdh1 with substrates identify Cdh1 and Apc10 as the D-box co-receptor. <i>Nature</i> , 2011, 470, 274-278.	13.7	176
9	A SNARE-protein has opposing functions in penetration resistance and defence signalling pathways. <i>Plant Journal</i> , 2007, 49, 302-312.	2.8	172
10	Molecular mechanism of APC/C activation by mitotic phosphorylation. <i>Nature</i> , 2016, 533, 260-264.	13.7	159
11	Mechanism of farnesylated CAAX protein processing by the intramembrane protease Rce1. <i>Nature</i> , 2013, 504, 301-305.	13.7	155
12	Structural basis for the subunit assembly of the anaphase-promoting complex. <i>Nature</i> , 2011, 470, 227-232.	13.7	150
13	Structure of the SARS-CoV-2 RNA-dependent RNA polymerase in the presence of favipiravir-RTP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	144
14	Molecular Characterization of the Oxalate Oxidase Involved in the Response of Barley to the Powdery Mildew Fungus1. <i>Plant Physiology</i> , 1998, 117, 33-41.	2.3	139
15	An epidermis/papilla-specific oxalate oxidase-like protein in the defence response of barley attacked by the powdery mildew fungus. <i>Plant Molecular Biology</i> , 1998, 36, 101-112.	2.0	134
16	Insights into Degron Recognition by APC/C Coactivators from the Structure of an Acm1-Cdh1 Complex. <i>Molecular Cell</i> , 2013, 50, 649-660.	4.5	115
17	Structure of the inner kinetochore CCAN complex assembled onto a centromeric nucleosome. <i>Nature</i> , 2019, 574, 278-282.	13.7	113
18	Activation of Rho GTPases by DOCK Exchange Factors Is Mediated by a Nucleotide Sensor. <i>Science</i> , 2009, 325, 1398-1402.	6.0	103

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19	Multiple Factors Confer Specific Cdc42 and Rac Protein Activation by Dedicator of Cytokines (DOCK) Nucleotide Exchange Factors. <i>Journal of Biological Chemistry</i> , 2011, 286, 25341-25351.	1.6	81
20	A Novel Role for Catalase B in the Maintenance of Fungal Cell-Wall Integrity During Host Invasion in the Rice Blast Fungus <i>Magnaporthe grisea</i> . <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 568-580.	1.4	77
21	A Lesion-Mimic Syntaxin Double Mutant in <i>Arabidopsis</i> Reveals Novel Complexity of Pathogen Defense Signaling. <i>Molecular Plant</i> , 2008, 1, 510-527.	3.9	76
22	The APC/C subunit Cdc16/Cut9 is a contiguous tetratricopeptide repeat superhelix with a homo-dimer interface similar to Cdc27. <i>EMBO Journal</i> , 2010, 29, 3733-3744.	3.5	68
23	<i>Blumeria graminis</i> secretes an extracellular catalase during infection of barley: potential role in suppression of host defence. <i>Molecular Plant Pathology</i> , 2004, 5, 537-547.	2.0	66
24	Cryo-EM structure of a metazoan separase-securin complex at near-atomic resolution. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 414-418.	3.6	65
25	Walking into the unknown: a "step down" PCR-based technique leading to the direct sequence analysis of flanking genomic DNA. <i>Gene</i> , 2000, 253, 145-150.	1.0	62
26	A proteomics study of barley powdery mildew haustoria. <i>Proteomics</i> , 2009, 9, 3222-3232.	1.3	56
27	Mechanism of Isoprenylcysteine Carboxyl Methylation from the Crystal Structure of the Integral Membrane Methyltransferase ICMT. <i>Molecular Cell</i> , 2011, 44, 997-1004.	4.5	49
28	Recombinant expression and reconstitution of multiprotein complexes by the USER cloning method in the insect cell-baculovirus expression system. <i>Methods</i> , 2016, 95, 13-25.	1.9	49
29	Recombinant expression, reconstitution and structure of human anaphase-promoting complex (APC/C). <i>Biochemical Journal</i> , 2013, 449, 365-371.	1.7	48
30	Two Photoperiodic Reactions in Photoperiod-Sensitive Genic Male Sterile Rice. <i>Crop Science</i> , 1993, 33, 651-660.	0.8	47
31	Structure of the human inner kinetochore bound to a centromeric CENP-A nucleosome. <i>Science</i> , 2022, 376, 844-852.	6.0	40
32	Ethanol increases sensitivity of oxalate oxidase assays and facilitates direct activity staining in SDS gels. <i>Plant Molecular Biology Reporter</i> , 1996, 14, 266-272.	1.0	35
33	Quinoxifen perturbs signal transduction in barley powdery mildew (<i>Blumeria graminis</i> f.sp. <i>hordei</i>). <i>Molecular Plant Pathology</i> , 2003, 4, 177-186.	2.0	34
34	Structure of the DOCK2-ELMO1 complex provides insights into regulation of the auto-inhibited state. <i>Nature Communications</i> , 2020, 11, 3464.	5.8	34
35	Molecular Structure of the N-terminal Domain of the APC/C Subunit Cdc27 Reveals a Homo-dimeric Tetratricopeptide Repeat Architecture. <i>Journal of Molecular Biology</i> , 2010, 397, 1316-1328.	2.0	29
36	Expression and sequence analysis of the <i>Blumeria graminis</i> mitogen-activated protein kinase genes, mpk 1 and mpk 2. <i>Gene</i> , 2001, 266, 57-65.	1.0	28

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37	Differential expression of two <i>Blumeria graminis</i> chitin synthase genes. <i>Molecular Plant Pathology</i> , 2000, 1, 125-138.	2.0	25
38	Architecture of the CBF3 centromere complex of the budding yeast kinetochore. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1103-1110.	3.6	23
39	The Four Canonical TPR Subunits of Human APC/C Form Related Homo-Dimeric Structures and Stack in Parallel to Form a TPR Suprahelix. <i>Journal of Molecular Biology</i> , 2013, 425, 4236-4248.	2.0	20
40	WD40 domain of Apc1 is critical for the coactivator-induced allosteric transition that stimulates APC/C catalytic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10547-10552.	3.3	16
41	Crystal structure of the Cenp-HIKHead-TW sub-module of the inner kinetochore CCAN complex. <i>Nucleic Acids Research</i> , 2020, 48, 11172-11184.	6.5	16
42	The barley powdery mildew protein kinase C gene, <i>pkc1</i> and <i>pkc</i> -like gene, are differentially expressed during morphogenesis. <i>Molecular Plant Pathology</i> , 2001, 2, 327-337.	2.0	14
43	Molecular mechanisms of APC/C release from spindle assembly checkpoint inhibition by APC/C SUMOylation. <i>Cell Reports</i> , 2021, 34, 108929.	2.9	12
44	Atomic-Resolution Structures of the APC/C Subunits Apc4 and the Apc5 N-Terminal Domain. <i>Journal of Molecular Biology</i> , 2015, 427, 3300-3315.	2.0	10
45	Conditions inducing fertility alteration and ecological adaptation of photoperiod-sensitive genic male-sterile rice. <i>Field Crops Research</i> , 1994, 38, 111-120.	2.3	9
46	A "Step Down" PCR-Based Technique for Walking Into and the Subsequent Direct-Sequence Analysis of Flanking Genomic DNA. , 2002, 192, 343-350.		7
47	Building a pseudo-atomic model of the anaphase-promoting complex. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2236-2243.	2.5	7