

Xin Zhang

List of Publications by Year in descending order

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35
papers

3,325
citations

236925

25
h-index

361022

35
g-index

35
all docs

35
docs citations

35
times ranked

4279
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted mutagenesis in rice using CRISPR-Cas system. <i>Cell Research</i> , 2013, 23, 1233-1236.	12.0	802
2	D14â€“SCFD3-dependent degradation of D53 regulates strigolactone signalling. <i>Nature</i> , 2013, 504, 406-410.	27.8	669
3	Rice APC/CTE controls tillering by mediating the degradation of MONOCULM 1. <i>Nature Communications</i> , 2012, 3, 752.	12.8	138
4	Identification and Characterization of an Epi-Allele of <i>FIE1</i> Reveals a Regulatory Linkage between Two Epigenetic Marks in Rice. <i>Plant Cell</i> , 2012, 24, 4407-4421.	6.6	125
5	A Novel Chloroplast-Localized Pentatricopeptide Repeat Protein Involved in Splicing Affects Chloroplast Development and Abiotic Stress Response in Rice. <i>Molecular Plant</i> , 2014, 7, 1329-1349.	8.3	114
6	<i>Pollen Semi-Sterility1</i> Encodes a Kinesin-1â€“Like Protein Important for Male Meiosis, Anther Dehiscence, and Fertility in Rice. <i>Plant Cell</i> , 2011, 23, 111-129.	6.6	113
7	<i>GLUTELIN PRECURSOR ACCUMULATION3</i> Encodes a Regulator of Post-Golgi Vesicular Traffic Essential for Vacuolar Protein Sorting in Rice Endosperm. <i>Plant Cell</i> , 2014, 26, 410-425.	6.6	113
8	The SnRK2-APC/CTE regulatory module mediates the antagonistic action of gibberellic acid and abscisic acid pathways. <i>Nature Communications</i> , 2015, 6, 7981.	12.8	96
9	Ubiquitin Specific Protease 15 Has an Important Role in Regulating Grain Width and Size in Rice. <i>Plant Physiology</i> , 2019, 180, 381-391.	4.8	90
10	Transcriptional activation and phosphorylation of OsCNGC9 confer enhanced chilling tolerance in rice. <i>Molecular Plant</i> , 2021, 14, 315-329.	8.3	89
11	OsSHI1 Regulates Plant Architecture Through Modulating the Transcriptional Activity of IPA1 in Rice. <i>Plant Cell</i> , 2019, 31, 1026-1042.	6.6	85
12	OsALMT7 Maintains Panicle Size and Grain Yield in Rice by Mediating Malate Transport. <i>Plant Cell</i> , 2018, 30, 889-906.	6.6	81
13	WHITE STRIPE LEAF4 Encodes a Novel P-Type PPR Protein Required for Chloroplast Biogenesis during Early Leaf Development. <i>Frontiers in Plant Science</i> , 2017, 8, 1116.	3.6	71
14	A comprehensive genetic study reveals a crucial role of <i>CYP90D2/D2</i> in regulating plant architecture in rice (<i>Oryza sativa</i>). <i>New Phytologist</i> , 2013, 200, 1076-1088.	7.3	68
15	An evolutionarily conserved gene, <i>FUWA</i> , plays a role in determining panicle architecture, grain shape and grain weight in rice. <i>Plant Journal</i> , 2015, 83, 427-438.	5.7	68
16	Pyrophosphate: fructose-6-phosphate 1-phosphotransferase (PFP) regulates carbon metabolism during grain filling in rice. <i>Plant Cell Reports</i> , 2016, 35, 1321-1331.	5.6	50
17	<i>FLOURY ENDOSPERM16</i> encoding a NADâ€“dependent cytosolic malate dehydrogenase plays an important role in starch synthesis and seed development in rice. <i>Plant Biotechnology Journal</i> , 2019, 17, 1914-1927.	8.3	50
18	OsVPS9A Functions Cooperatively with OsRAB5A to Regulate Post-Golgi Dense Vesicle-Mediated Storage Protein Trafficking to the Protein Storage Vacuole in Rice Endosperm Cells. <i>Molecular Plant</i> , 2013, 6, 1918-1932.	8.3	48

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19	VLN2Regulates Plant Architecture by Affecting Microfilament Dynamics and Polar Auxin Transport in Rice. <i>Plant Cell</i> , 2015, 27, tpc.15.00581.	6.6	48
20	The APC/C ^{TE} E3 Ubiquitin Ligase Complex Mediates the Antagonistic Regulation of Root Growth and Tillering by ABA and GA. <i>Plant Cell</i> , 2020, 32, 1973-1987.	6.6	45
21	<i>GPA5</i> Encodes a Rab5a Effector Required for Post-Golgi Trafficking of Rice Storage Proteins. <i>Plant Cell</i> , 2020, 32, 758-777.	6.6	44
22	Overexpression of OsbHLH107, a member of the basic helix-loop-helix transcription factor family, enhances grain size in rice (<i>Oryza sativa</i> L.). <i>Rice</i> , 2018, 11, 41.	4.0	42
23	WRKY Transcription Factor OsWRKY29 Represses Seed Dormancy in Rice by Weakening Abscisic Acid Response. <i>Frontiers in Plant Science</i> , 2020, 11, 691.	3.6	38
24	Fine Mapping of <i>qPAA8</i> , a Gene Controlling Panicle Apical Development in Rice. <i>Journal of Integrative Plant Biology</i> , 2011, 53, no-no.	8.5	32
25	WSL3, a component of the plastid-encoded plastid RNA polymerase, is essential for early chloroplast development in rice. <i>Plant Molecular Biology</i> , 2016, 92, 581-595.	3.9	30
26	DHD4, a CONSTANS-like family transcription factor, delays heading date by affecting the formation of the FAC complex in rice. <i>Molecular Plant</i> , 2021, 14, 330-343.	8.3	26
27	OsLBD37 and OsLBD38, two class II type LBD proteins, are involved in the regulation of heading date by controlling the expression of Ehd1 in rice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 720-725.	2.1	25
28	The LBD12-1 Transcription Factor Suppresses Apical Meristem Size by Repressing Argonaute 10 Expression. <i>Plant Physiology</i> , 2017, 173, 801-811.	4.8	25
29	<i>white panicle2</i> encoding thioredoxin <i>z</i> , regulates plastid RNA editing by interacting with multiple organellar RNA editing factors in rice. <i>New Phytologist</i> , 2021, 229, 2693-2706.	7.3	24
30	Determinant Factors and Regulatory Systems for Anthocyanin Biosynthesis in Rice Apiculi and Stigmas. <i>Rice</i> , 2021, 14, 37.	4.0	20
31	Dwarf and tiller-enhancing 1 regulates growth and development by influencing boron uptake in boron limited conditions in rice. <i>Plant Science</i> , 2015, 236, 18-28.	3.6	19
32	Post-Golgi trafficking of rice storage proteins requires the small GTPase Rab7 activation complex MON1-CCZ1. <i>Plant Physiology</i> , 2021, 187, 2174-2191.	4.8	17
33	Mitochondrion-targeted PENTATRICOPEPTIDE REPEAT5 is required for cis-splicing of nad4 intron 3 and endosperm development in rice. <i>Crop Journal</i> , 2021, 9, 282-296.	5.2	7
34	Rice <i>STOMATAL CYTOKINESIS DEFECTIVE2</i> regulates cell expansion by affecting vesicular trafficking in rice. <i>Plant Physiology</i> , 2022, 189, 567-584.	4.8	7
35	ENLARGED STARCH GRAIN1 affects amyloplast development and starch biosynthesis in rice endosperm. <i>Plant Science</i> , 2021, 305, 110831.	3.6	6