Zheng Yuan

List of Publications by Year
in descending order

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47	4,077	304743	233421
papers	citations	22 h-index	45 g-index

48	48	48	4331
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A rice single cell transcriptomic atlas defines the developmental trajectories of rice floret and inflorescence meristems. New Phytologist, 2022, 234, 494-512.	7.3	41
2	Rice transcription factor MADS32 regulates floral patterning through interactions with multiple floral homeotic genes. Journal of Experimental Botany, 2021, 72, 2434-2449.	4.8	9
3	Carbon Starved Anther modulates sugar and ABA metabolism to protect rice seed germination and seedling fitness. Plant Physiology, 2021, 187, 2405-2418.	4.8	11
4	Ectopic expression of OsJAZ6, which interacts with OsJAZ1, alters JA signaling and spikelet development in rice. Plant Journal, 2021, 108, 1083-1096.	5.7	10
5	Synthetic biosensor for mapping dynamic responses and spatioâ€temporal distribution of jasmonate in rice. Plant Biotechnology Journal, 2021, 19, 2392-2394.	8.3	7
6	Panicle-3D: Efficient Phenotyping Tool for Precise Semantic Segmentation of Rice Panicle Point Cloud. Plant Phenomics, 2021, 2021, 9838929.	5.9	13
7	Molecular and genetic pathways for optimizing spikelet development and grain yield. ABIOTECH, 2020, 1, 276-292.	3.9	13
8	Effective identification of CRISPR/Cas9-induced and naturally occurred mutations in rice using a multiplex ligation-dependent probe amplification-based method. Theoretical and Applied Genetics, 2020, 133, 2323-2334.	3.6	7
9	An array of 60,000 antibodies for proteome-scale antibody generation and target discovery. Science Advances, 2020, 6, eaax2271.	10.3	22
10	Investigation of CRISPR/Cas9-induced SD1 rice mutants highlights the importance of molecular characterization in plant molecular breeding. Journal of Genetics and Genomics, 2020, 47, 273-280.	3.9	29
11	Development of methods for effective identification of CRISPR/Cas9-induced indels in rice. Plant Cell Reports, 2019, 38, 503-510.	5.6	15
12	Generating Photoperiod-Sensitive Genic Male Sterile Rice Lines with CRISPR/Cas9. Methods in Molecular Biology, 2019, 1917, 97-107.	0.9	8
13	The OsJAZ1 degron modulates jasmonate signaling sensitivity during rice development. Development (Cambridge), 2019, 146, .	2.5	14
14	Image-Based On-Panicle Rice [Oryza sativa L.] Grain Counting with a Prior Edge Wavelet Correction Model. Agronomy, 2018, 8, 91.	3.0	18
15	Biphasic regulation of the transcription factor <scp>ABORTED MICROSPORES</scp> (<scp>AMS</scp>) is essential for tapetum and pollen development in Arabidopsis. New Phytologist, 2017, 213, 778-790.	7.3	94
16	Dynamic Regulation of Auxin Response during Rice Development Revealed by Newly Established Hormone Biosensor Markers. Frontiers in Plant Science, 2017, 8, 256.	3.6	41
17	The Development of DNA Based Methods for the Reliable and Efficient Identification ofNicotiana tabacumin Tobacco and Its Derived Products. International Journal of Analytical Chemistry, 2016, 2016, 1-6.	1.0	1
18	Development of a RAD-Seq Based DNA Polymorphism Identification Software, AgroMarker Finder, and Its Application in Rice Marker-Assisted Breeding. PLoS ONE, 2016, 11, e0147187.	2.5	7

#	Article	IF	Citations
19	Field Phenotyping Robot Design and Validation for the Crop Breeding. IFAC-PapersOnLine, 2016, 49, 281-286.	0.9	3
20	Characterization of factors underlying the metabolic shifts in developing kernels of colored maize. Scientific Reports, 2016, 6, 35479.	3.3	22
21	Development of japonica Photo-Sensitive Genic Male Sterile Rice Lines by Editing Carbon Starved Anther Using CRISPR/Cas9. Journal of Genetics and Genomics, 2016, 43, 415-419.	3.9	99
22	OsMADS32 interacts with PIâ€like proteins and regulates rice flower development. Journal of Integrative Plant Biology, 2015, 57, 504-513.	8.5	25
23	Roles of jasmonate signalling in plant inflorescence and flower development. Current Opinion in Plant Biology, 2015, 27, 44-51.	7.1	135
24	Interactions of OsMADS1 with Floral Homeotic Genes in Rice Flower Development. Molecular Plant, 2015, 8, 1366-1384.	8.3	87
25	Development of genomeâ€wide insertion/deletion markers in rice based on graphic pipeline platform. Journal of Integrative Plant Biology, 2015, 57, 980-991.	8.5	41
26	ABORTED MICROSPORESActs as a Master Regulator of Pollen Wall Formation inArabidopsisÂ Â Â. Plant Cell, 2014, 26, 1544-1556.	6.6	211
27	Jasmonic acid regulates spikelet development in rice. Nature Communications, 2014, 5, 3476.	12.8	229
28	Molecular Control of Grass Inflorescence Development. Annual Review of Plant Biology, 2014, 65, 553-578.	18.7	222
29	Panicle Development. , 2013, , 279-295.		18
30	RICE MORPHOLOGY DETERMINANTEncodes the Type II Formin FH5 and Regulates Rice Morphogenesis Â Â. Plant Cell, 2011, 23, 681-700.	6.6	101
31	PERSISTENT TAPETAL CELL1Encodes a PHD-Finger Protein That Is Required for Tapetal Cell Death and Pollen Development in Rice Â Â Â. Plant Physiology, 2011, 156, 615-630.	4.8	256
32	Overexpression of the Arabidopsis Gene UPRIGHT ROSETTE Reveals a Homeostatic Control for Indole-3-Acetic Acid Â Â. Plant Physiology, 2010, 153, 1311-1320.	4.8	22
33	The ABORTED MICROSPORES Regulatory Network Is Required for Postmeiotic Male Reproductive Development in Arabidopsis thaliana Â Â. Plant Cell, 2010, 22, 91-107.	6.6	294
34	RETARDED PALEA1 Controls Palea Development and Floral Zygomorphy in Rice Â. Plant Physiology, 2009, 149, 235-244.	4.8	189
35	Robust image restoration for rotary motion degradations and the motion parameter identification. , 2008, , .		0
36	Tapetum Degeneration Retardation is Critical for Aliphatic Metabolism and Gene Regulation during Rice Pollen Development. Molecular Plant, 2008, 1, 599-610.	8.3	173

#	Article	IF	Citations
37	Robust image restoration for rotary motion blur based on frequency analysis. Optical Engineering, 2008, 47, 097004.	1.0	5
38	Genomeâ€wide Expression Profiling in Seedlings of the Arabidopsis Mutant uro that is Defective in the Secondary Cell Wall Formation. Journal of Integrative Plant Biology, 2007, 49, 1754-1762.	8.5	8
39	Expression and purification of the synthetic preS1 gene of Hepatitis B Virus with preferred Escherichia coli codon preference. Protein Expression and Purification, 2006, 48, 74-80.	1.3	8
40	DELAYED FLOWERING, an Arabidopsis Gene That Acts in the Autonomous Flowering Promotion Pathway and Is Required for Normal Development. Journal of Integrative Plant Biology, 2006, 48, 27-34.	8.5	3
41	Duplication and expression analysis of multicopy miRNA gene family members in Arabidopsis and rice. Cell Research, 2006, 16, 507-518.	12.0	41
42	Embryogenesis and seed development in Sinomanglietia glauca (Magnoliaceae). Journal of Plant Research, 2006, 119, 163-166.	2.4	7
43	The FLORAL ORGAN NUMBER4 Gene Encoding a Putative Ortholog of Arabidopsis CLAVATA3 Regulates Apical Meristem Size in Rice. Plant Physiology, 2006, 142, 1039-1052.	4.8	198
44	The Rice Tapetum Degeneration Retardation Gene Is Required for Tapetum Degradation and Anther Development. Plant Cell, 2006, 18, 2999-3014.	6.6	615
45	Genome-Wide Analysis of Basic/Helix-Loop-Helix Transcription Factor Family in Rice and Arabidopsis. Plant Physiology, 2006, 141, 1167-1184.	4.8	527
46	The Putative RNA-Dependent RNA Polymerase RDR6 Acts Synergistically with ASYMMETRIC LEAVES1 and 2 to Repress BREVIPEDICELLUS and MicroRNA165/166 in Arabidopsis Leaf Development. Plant Cell, 2005, 17, 2157-2171.	6.6	168
47	The GAOLAOZHUANGREN2 gene is required for normal glucose response and development of Arabidopsis. Journal of Plant Research, 2004, 117, 473-476.	2.4	9