Deyong Ren

List of Publications by Year
in descending order

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38	1,346	304743 22	361022 35
papers	citations	h-index	g-index

38	38	38	1229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MULTI-FLORET SPIKELET1, Which Encodes an AP2/ERF Protein, Determines Spikelet Meristem Fate and Sterile Lemma Identity in Rice Â Â. Plant Physiology, 2013, 162, 872-884.	4.8	122
2	CHIMERIC FLORAL ORGANS1, Encoding a Monocot-Specific MADS Box Protein, Regulates Floral Organ Identity in Rice Â Â. Plant Physiology, 2012, 160, 788-807.	4.8	110
3	PGL, encoding chlorophyllide a oxygenase 1, impacts leaf senescence and indirectly affects grain yield and quality in rice. Journal of Experimental Botany, 2016, 67, 1297-1310.	4.8	109
4	A Rice PECTATE LYASE-LIKE Gene Is Required for Plant Growth and Leaf Senescence. Plant Physiology, 2017, 174, 1151-1166.	4.8	96
5	Natural variation in the promoter of TGW2 determines grain width and weight in rice. New Phytologist, 2020, 227, 629-640.	7.3	89
6	The newly identified heat-stress sensitive albino 1 gene affects chloroplast development in rice. Plant Science, 2018, 267, 168-179.	3.6	70
7	Disruption of EARLY LESION LEAF 1, encoding a cytochrome P450 monooxygenase, induces ROS accumulation and cell death in rice. Plant Journal, 2021, 105, 942-956.	5.7	56
8	Mutation of OsNaPRT1 in the NAD Salvage Pathway Leads to Withered Leaf Tips in Rice. Plant Physiology, 2016, 171, pp.01898.2015.	4.8	50
9	Os<scp>ACL</scp>â€A2 negatively regulates cell death and disease resistance in rice. Plant Biotechnology Journal, 2019, 17, 1344-1356.	8.3	46
10	FZP determines grain size and sterile lemma fate in rice. Journal of Experimental Botany, 2018, 69, 4853-4866.	4.8	45
11	DNA damage and reactive oxygen species cause cell death in the rice local lesions 1 mutant under high light and high temperature. New Phytologist, 2019, 222, 349-365.	7.3	44
12	PHOTOâ€SENSITIVE LEAF ROLLING 1 encodes a polygalacturonase that modifies cell wall structure and drought tolerance in rice. New Phytologist, 2021, 229, 890-901.	7.3	40
13	Fine Mapping Identifies a New QTL for Brown Rice Rate in Rice (Oryza Sativa L.). Rice, 2016, 9, 4.	4.0	38
14	<scp>AH</scp>2 encodes a <scp>MYB</scp> domain protein that determines hull fate and affects grain yield and quality in rice. Plant Journal, 2019, 100, 813-824.	5.7	36
15	The rice white green leaf 2 gene causes defects in chloroplast development and affects the plastid ribosomal protein S9. Rice, 2018, 11, 39.	4.0	35
16	â€˜Twoâ€floret spikeletâ€™ as a novel resource has the potential to increase rice yield. Plant Biotechnology Journal, 2018, 16, 351-353.	8.3	34
17	Functional Inactivation of Putative Photosynthetic Electron Acceptor Ferredoxin C2 (FdC2) Induces Delayed Heading Date and Decreased Photosynthetic Rate in Rice. PLoS ONE, 2015, 10, e0143361.	2.5	31
18	Using Heading date 1 preponderant alleles from indica cultivars to breed highâ€yield, highâ€quality japonica rice varieties for cultivation in south China. Plant Biotechnology Journal, 2020, 18, 119-128.	8.3	30

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19	FON 4 prevents the multiâ€floret spikelet in rice. Plant Biotechnology Journal, 2019, 17, 1007-1009.	8.3	29
20	Multifloret spikelet improves rice yield. New Phytologist, 2020, 225, 2301-2306.	7.3	28
21	ABNORMAL FLOWER AND GRAIN 1 encodes OsMADS6 and determines palea identity and affects rice grain yield and quality. Science China Life Sciences, 2020, 63, 228-238.	4.9	28
22	Primary leafâ€type ferredoxinÂ1 participates in photosynthetic electron transport and carbon assimilation in rice. Plant Journal, 2020, 104, 44-58.	5.7	26
23	Genetic analysis and fine-mapping of a new rice mutant, white and lesion mimic leaf1. Plant Growth Regulation, 2018, 85, 425-435.	3.4	20
24	UDPâ€Nâ€acetylglucosamine pyrophosphorylase enhances rice survival at high temperature. New Phytologist, 2022, 233, 344-359.	7.3	19
25	Leaf width gene LW5/D1 affects plant architecture and yield in rice by regulating nitrogen utilization efficiency. Plant Physiology and Biochemistry, 2020, 157, 359-369.	5.8	17
26	MORE FLORET1 Encodes a MYB Transcription Factor That Regulates Spikelet Development in Rice. Plant Physiology, 2020, 184, 251-265.	4.8	16
27	The C2H2 zinc-finger protein LACKING RUDIMENTARY GLUME 1 regulates spikelet development in rice. Science Bulletin, 2020, 65, 753-764.	9.0	16
28	Progress and Prospect of Breeding Utilization of Green Revolution Gene SD1 in Rice. Agriculture (Switzerland), 2021, 11, 611.	3.1	16
29	Characterization, Expression, and Interaction Analyses of OsMORF Gene Family in Rice. Genes, 2019, 10, 694.	2.4	10
30	The rice LRR-like1 protein YELLOW AND PREMATURE DWARF 1 is involved in leaf senescence induced by high light. Journal of Experimental Botany, 2021, 72, 1589-1605.	4.8	10
31	WHITE AND LESIONâ€MIMIC LEAF1, encoding a lumazine synthase, affects reactive oxygen species balance and chloroplast development in rice. Plant Journal, 2021, 108, 1690-1703.	5.7	8
32	A rice XANTHINE DEHYDROGENASE gene regulates leaf senescence and response to abiotic stresses. Crop Journal, 2022, 10, 310-322.	5.2	7
33	LMPA Regulates Lesion Mimic Leaf and Panicle Development Through ROS-Induced PCD in Rice. Frontiers in Plant Science, 2022, 13, 875038.	3.6	7
34	LRG1 maintains sterile lemma identity by regulating OsMADS6 expression in rice. Science China Life Sciences, 2021, 64, 1190-1192.	4.9	4
35	Functional Analysis of Three Rice Chloroplast Transit Peptides. Rice Science, 2019, 26, 11-20.	3.9	3
36	The ell1 mutation disrupts tryptophan metabolism and induces cell death. Plant Signaling and Behavior, 2021, 16, 1905336.	2.4	1

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37	Short-term stress from high light and high temperature triggers transcriptomic changes in the local lesions 1 rice mutant. Plant Signaling and Behavior, 2019, 14, e1649568.	2.4	0
38	Fine Mapping of Rice Specific MR1, a Gene Determines Palea Identity. Frontiers in Plant Science, 2022, 13, .	3.6	0