

Zengyan Zhang

List of Publications by Citations

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48
papers

1,565
citations

23
h-index

39
g-index

53
ext. papers

2,081
ext. citations

5.6
avg, IF

4.39
L-index

#	Paper	IF	Citations
48	The ERF transcription factor TaERF3 promotes tolerance to salt and drought stresses in wheat. <i>Plant Biotechnology Journal</i> , 2014 , 12, 468-79	11.6	179
47	An R2R3 MYB transcription factor in wheat, TaPIMP1, mediates host resistance to <i>Bipolaris sorokiniana</i> and drought stresses through regulation of defense- and stress-related genes. <i>New Phytologist</i> , 2012 , 196, 1155-1170	9.8	134
46	The wheat ethylene response factor transcription factor pathogen-induced ERF1 mediates host responses to both the necrotrophic pathogen <i>Rhizoctonia cerealis</i> and freezing stresses. <i>Plant Physiology</i> , 2014 , 164, 1499-514	6.6	121
45	Expression of a wheat MYB gene in transgenic tobacco enhances resistance to <i>Ralstonia solanacearum</i> , and to drought and salt stresses. <i>Functional and Integrative Genomics</i> , 2011 , 11, 431-43	3.8	88
44	Overexpression of TIERF1 enhances resistance to sharp eyespot in transgenic wheat. <i>Journal of Experimental Botany</i> , 2008 , 59, 4195-204	7	85
43	A novel ERF transcription activator in wheat and its induction kinetics after pathogen and hormone treatments. <i>Journal of Experimental Botany</i> , 2007 , 58, 2993-3003	7	79
42	Expression of a radish defensin in transgenic wheat confers increased resistance to <i>Fusarium graminearum</i> and <i>Rhizoctonia cerealis</i> . <i>Functional and Integrative Genomics</i> , 2011 , 11, 63-70	3.8	77
41	Overexpression of TaPIEP1, a pathogen-induced ERF gene of wheat, confers host-enhanced resistance to fungal pathogen <i>Bipolaris sorokiniana</i> . <i>Functional and Integrative Genomics</i> , 2010 , 10, 215-26	3.8	71
40	Transgenic wheat expressing <i>Thinopyrum intermedium</i> MYB transcription factor TiMYB2R-1 shows enhanced resistance to the take-all disease. <i>Journal of Experimental Botany</i> , 2013 , 64, 2243-53	7	60
39	Overexpression of wheat lipid transfer protein gene TaLTP5 increases resistances to <i>Cochliobolus sativus</i> and <i>Fusarium graminearum</i> in transgenic wheat. <i>Functional and Integrative Genomics</i> , 2012 , 12, 481-8	3.8	50
38	Transcript suppression of TaGW2 increased grain width and weight in bread wheat. <i>Functional and Integrative Genomics</i> , 2014 , 14, 341-9	3.8	49
37	The wheat R2R3-MYB transcription factor TaRIM1 participates in resistance response against the pathogen <i>Rhizoctonia cerealis</i> infection through regulating defense genes. <i>Scientific Reports</i> , 2016 , 6, 28777	4.9	40
36	Expression of a potato antimicrobial peptide SN1 increases resistance to take-all pathogen <i>Gaeumannomyces graminis</i> var. <i>tritici</i> in transgenic wheat. <i>Functional and Integrative Genomics</i> , 2013 , 13, 403-9	3.8	35
35	Isolation and characterization of a novel wheat cysteine-rich receptor-like kinase gene induced by <i>Rhizoctonia cerealis</i> . <i>Scientific Reports</i> , 2013 , 3, 3021	4.9	34
34	Development of novel PCR markers linked to the BYDV resistance gene Bdv2 useful in wheat for marker-assisted selection. <i>Theoretical and Applied Genetics</i> , 2004 , 109, 433-9	6	34
33	The wheat NB-LRR gene TaRCR1 is required for host defence response to the necrotrophic fungal pathogen <i>Rhizoctonia cerealis</i> . <i>Plant Biotechnology Journal</i> , 2017 , 15, 674-687	11.6	33
32	The wheat AGC kinase TaAGC1 is a positive contributor to host resistance to the necrotrophic pathogen <i>Rhizoctonia cerealis</i> . <i>Journal of Experimental Botany</i> , 2015 , 66, 6591-603	7	32

31	Research progress in BYDV resistance genes derived from wheat and its wild relatives. <i>Journal of Genetics and Genomics</i> , 2009 , 36, 567-73	4	32
30	Identification and antifungal assay of a wheat beta-1,3-glucanase. <i>Biotechnology Letters</i> , 2009 , 31, 1005-10	3	31
29	A novel activator-type ERF of <i>Thinopyrum intermedium</i> , TiERF1, positively regulates defence responses. <i>Journal of Experimental Botany</i> , 2008 , 59, 3111-20	7	30
28	A wheat caffeic acid 3-O-methyltransferase TaCOMT-3D positively contributes to both resistance to sharp eyespot disease and stem mechanical strength. <i>Scientific Reports</i> , 2018 , 8, 6543	4.9	26
27	A Wheat Cinnamyl Alcohol Dehydrogenase TaCAD12 Contributes to Host Resistance to the Sharp Eyespot Disease. <i>Frontiers in Plant Science</i> , 2016 , 7, 1723	6.2	23
26	The wheat calcium-dependent protein kinase TaCPK7-D positively regulates host resistance to sharp eyespot disease. <i>Molecular Plant Pathology</i> , 2016 , 17, 1252-64	5.7	23
25	Constitutive expression of a stabilized transcription factor group VII ethylene response factor enhances waterlogging tolerance in wheat without penalizing grain yield. <i>Plant, Cell and Environment</i> , 2019 , 42, 1471-1485	8.4	19
24	Mapping of a BYDV resistance gene from <i>Thinopyrum intermedium</i> in wheat background by molecular markers. <i>Science in China Series C: Life Sciences</i> , 1999 , 42, 663-8		17
23	Genome-Wide Identification and Expression Analysis of Cutinase Gene Family in and Functional Study of an Active Cutinase RcCUT1 in the Fungal-Wheat Interaction. <i>Frontiers in Microbiology</i> , 2018 , 9, 1813	5.7	17
22	GmPGIP3 enhanced resistance to both take-all and common root rot diseases in transgenic wheat. <i>Functional and Integrative Genomics</i> , 2015 , 15, 375-81	3.8	15
21	Wheat resistome in response to barley yellow dwarf virus infection. <i>Functional and Integrative Genomics</i> , 2013 , 13, 155-65	3.8	15
20	Isolation and characterization of a novel wall-associated kinase gene TaWAK5 in wheat (<i>Triticum aestivum</i>). <i>Crop Journal</i> , 2014 , 2, 255-266	4.6	14
19	TaPIMP2, a pathogen-induced MYB protein in wheat, contributes to host resistance to common root rot caused by <i>Bipolaris sorokiniana</i> . <i>Scientific Reports</i> , 2017 , 7, 1754	4.9	13
18	Molecular and Ultrastructural Mechanisms Underlying Yellow Dwarf Symptom Formation in Wheat after Infection of Barley Yellow Dwarf Virus. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
17	The wheat LLM-domain-containing transcription factor TaGATA1 positively modulates host immune response to <i>Rhizoctonia cerealis</i> . <i>Journal of Experimental Botany</i> , 2020 , 71, 344-355	7	11
16	Silencing of the Wheat Protein Phosphatase 2A Catalytic Subunit TaPP2Ac Enhances Host Resistance to the Necrotrophic Pathogen. <i>Frontiers in Plant Science</i> , 2018 , 9, 1437	6.2	11
15	Identification and molecular mapping of a resistance gene to powdery mildew from the synthetic wheat line M53. <i>Journal of Applied Genetics</i> , 2011 , 52, 137-43	2.5	9
14	Molecular mapping of a stripe rust resistance gene in wheat line C51. <i>Journal of Genetics</i> , 2014 , 93, 443-502		7

13	TaCML36, a wheat calmodulin-like protein, positively participates in an immune response to <i>Rhizoctonia cerealis</i> . <i>Crop Journal</i> , 2019 , 7, 608-618	4.6	6
12	Global Characterization of GH10 Family Xylanase Genes in and Functional Analysis of Xylanase RcXYN1 During Fungus Infection in Wheat. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
11	Wheat Elongator subunit 4 is required for epigenetic regulation of host immune response to <i>Rhizoctonia cerealis</i> . <i>Crop Journal</i> , 2020 , 8, 565-576	4.6	4
10	The cysteine-rich receptor-like kinase TaCRK3 contributes to defense against <i>Rhizoctonia cerealis</i> in wheat. <i>Journal of Experimental Botany</i> , 2021 , 72, 6904-6919	7	4
9	Development and identification of wheat-Ag.pulcherrimum addition line and substitution line with BYDV resistance. <i>Science in China Series C: Life Sciences</i> , 1999 , 42, 178-84		3
8	The Wall-Associated Receptor-Like Kinase TaWAK7D Is Required for Defense Responses to in Wheat. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
7	Overexpression of TaSTT3b-2B improves resistance to sharp eyespot and increases grain weight in wheat. <i>Plant Biotechnology Journal</i> , 2021 ,	11.6	3
6	Genome-Wide Identification of M35 Family Metalloproteases in and Functional Analysis of RcMEP2 as a Virulence Factor during the Fungal Infection to Wheat. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
5	The Wheat Wall-Associated Receptor-Like Kinase TaWAK-6D Mediates Broad Resistance to Two Fungal Pathogens and. <i>Frontiers in Plant Science</i> , 2021 , 12, 758196	6.2	2
4	The Cysteine-Rich Repeat Protein TaCRR1 Participates in Defense against Both and in Wheat. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
3	The mitogen-activated protein kinase kinase TaMKK5 mediates immunity via the TaMKK5-TaMPK3-TaERF3 module. <i>Plant Physiology</i> , 2021 , 187, 2323-2337	6.6	2
2	Powdery Mildew Resistance in Wheat Cultivar Mv Hombi is Conferred by a New Gene, PmHo. <i>Phytopathology</i> , 2016 , 106, 1326-1334	3.8	1
1	Investigation of the mechanism of adult-stage resistance to barley yellow dwarf virus associated with a wheat- <i>Thinopyrum</i> intermedium translocation. <i>Crop Journal</i> , 2018 , 6, 394-405	4.6	