

Zengyan Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1032687/publications.pdf>

Version: 2024-02-01

52
papers

2,369
citations

236612

25
h-index

214527

47
g-index

53
all docs

53
docs citations

53
times ranked

2452
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>ERF</i> transcription factor <i>TaERF3</i> promotes tolerance to salt and drought stresses in wheat. <i>Plant Biotechnology Journal</i> , 2014, 12, 468-479.	4.1	246
2	An R2R3 <i>MYB</i> transcription factor in wheat, <i>TaPIMP1</i> , 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.	3.5	185
3	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, 1499-1514.	2.3	172
4	Overexpression of <i>TiERF1</i> enhances resistance to sharp eyespot in transgenic wheat. <i>Journal of Experimental Botany</i> , 2008, 59, 4195-4204.	2.4	116
5	Expression of a wheat <i>MYB</i> 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, 431-443.	1.4	110
6	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.	1.4	95
7	Overexpression of <i>TaPIEP1</i> , 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, 215-226.	1.4	94
8	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.	2.4	89
9	Transcript suppression of <i>TaGW2</i> increased grain width and weight in bread wheat. <i>Functional and Integrative Genomics</i> , 2014, 14, 341-349.	1.4	87
10	Transgenic wheat expressing <i>Thinopyrum intermedium</i> <i>MYB</i> transcription factor <i>TiMYB2R-1</i> shows enhanced resistance to the take-all disease. <i>Journal of Experimental Botany</i> , 2013, 64, 2243-2253.	2.4	80
11	The wheat <i>NB-LRR</i> gene <i>TaRCR1</i> is required for host defence response to the necrotrophic fungal pathogen <i>Rhizoctonia cerealis</i> . <i>Plant Biotechnology Journal</i> , 2017, 15, 674-687.	4.1	72
12	A wheat caffeic acid 3-O-methyltransferase <i>TaCOMT-3D</i> positively contributes to both resistance to sharp eyespot disease and stem mechanical strength. <i>Scientific Reports</i> , 2018, 8, 6543.	1.6	71
13	The wheat R2R3-MYB transcription factor <i>TaRIM1</i> participates in resistance response against the pathogen <i>Rhizoctonia cerealis</i> infection through regulating defense genes. <i>Scientific Reports</i> , 2016, 6, 28777.	1.6	65
14	Overexpression of wheat lipid transfer protein gene <i>TaLTP5</i> increases resistances to <i>Cochliobolus sativus</i> and <i>Fusarium graminearum</i> in transgenic wheat. <i>Functional and Integrative Genomics</i> , 2012, 12, 481-488.	1.4	62
15	The wheat AGC kinase <i>TaAGC1</i> is a positive contributor to host resistance to the necrotrophic pathogen <i>Rhizoctonia cerealis</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 6591-6603.	2.4	62
16	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.	1.6	53
17	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.	2.8	48
18	A Wheat Cinnamyl Alcohol Dehydrogenase <i>TaCAD12</i> Contributes to Host Resistance to the Sharp Eyespot Disease. <i>Frontiers in Plant Science</i> , 2016, 7, 1723.	1.7	47

#	ARTICLE	IF	CITATIONS
19	Identification and antifungal assay of a wheat β -1,3-glucanase. <i>Biotechnology Letters</i> , 2009, 31, 1005-1010.	1.1	44
20	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, 403-409.	1.4	43
21	Research progress in BYDV resistance genes derived from wheat and its wild relatives. <i>Journal of Genetics and Genomics</i> , 2009, 36, 567-573.	1.7	41
22	A novel activator-type ERF of <i>Thinopyrum intermedium</i> , TiERF1, positively regulates defence responses. <i>Journal of Experimental Botany</i> , 2008, 59, 3111-3120.	2.4	36
23	The wheat calcium-dependent protein kinase TaCPK7 positively regulates host resistance to sharp eyespot disease. <i>Molecular Plant Pathology</i> , 2016, 17, 1252-1264.	2.0	35
24	Development of novel PCR markers linked to the BYDV resistance gene <i>Bdv2</i> useful in wheat for marker-assisted selection. <i>Theoretical and Applied Genetics</i> , 2004, 109, 433-439.	1.8	34
25	Genome-Wide Identification and Expression Analysis of Cutinase Gene Family in <i>Rhizoctonia cerealis</i> and Functional Study of an Active Cutinase RcCUT1 in the Fungal-Wheat Interaction. <i>Frontiers in Microbiology</i> , 2018, 9, 1813.	1.5	31
26	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.	1.6	28
27	Isolation and characterization of a novel wall-associated kinase gene TaWAK5 in wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	2.3	26
28	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.	2.4	24
29	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.	2.4	21
30	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, 663-668.	1.3	20
31	Silencing of the Wheat Protein Phosphatase 2A Catalytic Subunit TaPP2Ac Enhances Host Resistance to the Necrotrophic Pathogen <i>Rhizoctonia cerealis</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1437.	1.7	19
32	Wheat resistome in response to barley yellow dwarf virus infection. <i>Functional and Integrative Genomics</i> , 2013, 13, 155-165.	1.4	18
33	GmPGIP3 enhanced resistance to both take-all and common root rot diseases in transgenic wheat. <i>Functional and Integrative Genomics</i> , 2015, 15, 375-381.	1.4	18
34	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, 1187.	1.8	18
35	Overexpression of TaSTT3b improves resistance to sharp eyespot and increases grain weight in wheat. <i>Plant Biotechnology Journal</i> , 2022, 20, 777-793.	4.1	18
36	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.	2.3	16

#	ARTICLE	IF	CITATIONS
37	The Wall-Associated Receptor-Like Kinase TaWAK7D Is Required for Defense Responses to <i>Rhizoctonia cerealis</i> in Wheat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5629.	1.8	14
38	The Cysteine-Rich Repeat Protein TaCRR1 Participates in Defense against Both <i>Rhizoctonia cerealis</i> and <i>Bipolaris sorokiniana</i> in Wheat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5698.	1.8	13
39	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, 137-143.	1.0	12
40	Global Characterization of GH10 Family Xylanase Genes in <i>Rhizoctonia cerealis</i> and Functional Analysis of Xylanase RcXYN1 During Fungus Infection in Wheat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1812.	1.8	10
41	The mitogen-activated protein kinase kinase TaMKK5 mediates immunity via the TaMKK5-TaMPK3-TaERF3 module. <i>Plant Physiology</i> , 2021, 187, 2323-2337.	2.3	10
42	The Wheat Wall-Associated Receptor-Like Kinase TaWAK-6D Mediates Broad Resistance to Two Fungal Pathogens <i>Fusarium pseudograminearum</i> and <i>Rhizoctonia cerealis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 758196.	1.7	10
43	TaWAK2A-800, a Wall-Associated Kinase, Participates Positively in Resistance to <i>Fusarium Head Blight</i> and <i>Sharp Eyespot</i> in Wheat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11493.	1.8	9
44	Molecular mapping of a stripe rust resistance gene in wheat line C51. <i>Journal of Genetics</i> , 2014, 93, 443-450.	0.4	7
45	Ecotopic Expression of the Antimicrobial Peptide DmAMP1W Improves Resistance of Transgenic Wheat to Two Diseases: <i>Sharp Eyespot</i> and <i>Common Root Rot</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 647.	1.8	7
46	Genome-Wide Identification of M35 Family Metalloproteases in <i>Rhizoctonia cerealis</i> and Functional Analysis of RcMEP2 as a Virulence Factor during the Fungal Infection to Wheat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2984.	1.8	6
47	The Receptor-like Kinase TaCRK-7A Inhibits <i>Fusarium pseudograminearum</i> Growth and Mediates Resistance to <i>Fusarium Crown Rot</i> in Wheat. <i>Biology</i> , 2021, 10, 1122.	1.3	6
48	Development and identification of wheat- <i>Ag. pulcherrimum</i> addition line and substitution line with BYDV resistance. <i>Science in China Series C: Life Sciences</i> , 1999, 42, 178-184.	1.3	5
49	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.	2.3	5
50	The Pathogen-Induced MATE Gene TaPIMA1 Is Required for Defense Responses to <i>Rhizoctonia cerealis</i> in Wheat. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3377.	1.8	4
51	Powdery Mildew Resistance in Wheat Cultivar Mv HombÅr is Conferred by a New Gene, <i>PmHo</i> . <i>Phytopathology</i> , 2016, 106, 1326-1334.	1.1	3
52	Investigation of the mechanism of adult-stage resistance to barley yellow dwarf virus associated with a wheat-Thinopyrum intermedium translocation. <i>Crop Journal</i> , 2018, 6, 394-405.	2.3	2