

Zhendong Tian

List of Publications by Year in descending order

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37
papers

1,251
citations

304602

22
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377752

34
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docs citations

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times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	A <i>Phytophthora infestans</i> RXLR effector targets plant PP1c isoforms that promote late blight disease. <i>Nature Communications</i> , 2016, 7, 10311.	5.8	123
2	<i>Hair</i> , encoding a single C2H2 zinc finger protein, regulates multicellular trichome formation in tomato. <i>Plant Journal</i> , 2018, 96, 90-102.	2.8	97
3	The Potato ERF Transcription Factor StERF3 Negatively Regulates Resistance to <i>Phytophthora infestans</i> and Salt Tolerance in Potato. <i>Plant and Cell Physiology</i> , 2015, 56, 992-1005.	1.5	82
4	Potato NPH3/RPT2-Like Protein StNRL1, Targeted by a <i>Phytophthora infestans</i> RXLR Effector, Is a Susceptibility Factor. <i>Plant Physiology</i> , 2016, 171, 645-657.	2.3	71
5	<i>Phytophthora infestans</i> RXLR effectors act in concert at diverse subcellular locations to enhance host colonization. <i>Journal of Experimental Botany</i> , 2019, 70, 343-356.	2.4	66
6	Amylases StAmy23, StBAM1 and StBAM9 regulate cold-induced sweetening of potato tubers in distinct ways. <i>Journal of Experimental Botany</i> , 2017, 68, 2317-2331.	2.4	62
7	The Potato MAP3K StVIK Is Required for the <i>Phytophthora infestans</i> RXLR Effector Pi17316 to Promote Disease. <i>Plant Physiology</i> , 2018, 177, 398-410.	2.3	61
8	Potato late blight field resistance from QTL dPI09c is conferred by the NB-LRR gene R8. <i>Journal of Experimental Botany</i> , 2018, 69, 1545-1555.	2.4	56
9	Monitoring the expression patterns of potato genes associated with quantitative resistance to late blight during <i>Phytophthora infestans</i> infection using cDNA microarrays. <i>Plant Science</i> , 2005, 169, 1155-1167.	1.7	47
10	U-box E3 ubiquitin ligase PUB17 acts in the nucleus to promote specific immune pathways triggered by <i>Phytophthora infestans</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 3189-3199.	2.4	47
11	Oomycetes Seek Help from the Plant: <i>Phytophthora infestans</i> Effectors Target Host Susceptibility Factors. <i>Molecular Plant</i> , 2016, 9, 636-638.	3.9	41
12	BTB-BACK Domain Protein POB1 Suppresses Immune Cell Death by Targeting Ubiquitin E3 ligase PUB17 for Degradation. <i>PLoS Genetics</i> , 2017, 13, e1006540.	1.5	41
13	Cloning and molecular characterization of the potato RING finger protein gene StRFP1 and its function in potato broad-spectrum resistance against <i>Phytophthora infestans</i> . <i>Journal of Plant Physiology</i> , 2010, 167, 488-496.	1.6	33
14	<i>Phytophthora infestans</i> RXLR Effectors Target Parallel Steps in an Immune Signal Transduction Pathway. <i>Plant Physiology</i> , 2019, 180, 2227-2239.	2.3	33
15	<i>Phytophthora infestans</i> effector SFI3 targets potato UBK to suppress early immune transcriptional responses. <i>New Phytologist</i> , 2019, 222, 438-454.	3.5	33
16	The Cell Death Triggered by the Nuclear Localized RxLR Effector PITG_22798 from <i>Phytophthora infestans</i> Is Suppressed by the Effector AVR3b. <i>International Journal of Molecular Sciences</i> , 2017, 18, 409.	1.8	32
17	StPUB17, a novel potato UND/PUB/ARM repeat type gene, is associated with late blight resistance and NaCl stress. <i>Plant Science</i> , 2010, 178, 158-169.	1.7	31
18	Cytosolic glyceraldehyde-3-phosphate dehydrogenases play crucial roles in controlling cold-induced sweetening and apical dominance of potato (<i>Solanum tuberosum</i> L.) tubers. <i>Plant, Cell and Environment</i> , 2017, 40, 3043-3054.	2.8	31

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19	A novel leucine-rich repeat receptor-like kinase gene in potato, StLRPK1, is involved in response to diverse stresses. <i>Molecular Biology Reports</i> , 2009, 36, 2365-2374.	1.0	30
20	Molecular characterization of StNAC2 in potato and its overexpression confers drought and salt tolerance. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1841-1851.	1.0	30
21	AVR2 Targets BSL Family Members, Which Act as Susceptibility Factors to Suppress Host Immunity. <i>Plant Physiology</i> , 2019, 180, 571-581.	2.3	27
22	Functional analysis of potato genes involved in quantitative resistance to <i>Phytophthora infestans</i> . <i>Molecular Biology Reports</i> , 2013, 40, 957-967.	1.0	25
23	Functional Dissection of Auxin Response Factors in Regulating Tomato Leaf Shape Development. <i>Frontiers in Plant Science</i> , 2018, 9, 957.	1.7	25
24	Comparative cDNA-AFLP analysis reveals that <i>scp</i> is a <i>Camino</i> butyric acid induces resistance through early activation of the host defense genes in potato. <i>Physiologia Plantarum</i> , 2009, 136, 19-29.	2.6	20
25	PAMP-responsive ATL gene StRFP1 and its orthologue NbATL60 positively regulate <i>Phytophthora infestans</i> resistance in potato and <i>Nicotiana benthamiana</i> . <i>Plant Science</i> , 2018, 270, 47-57.	1.7	17
26	The Ubiquitin E3 Ligase PUB17 Positively Regulates Immunity by Targeting a Negative Regulator, KH17, for Degradation. <i>Plant Communications</i> , 2020, 1, 100020.	3.6	15
27	StPOTHR1, a NDR1/HIN1-like gene in <i>Solanum tuberosum</i> , enhances resistance against <i>Phytophthora infestans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 1155-1161.	1.0	14
28	A potato STRUBBELIG-RECEPTOR FAMILY member, StLRPK1, associates with StSERK3A/BAK1 and activates immunity. <i>Journal of Experimental Botany</i> , 2018, 69, 5573-5586.	2.4	12
29	A <i>Phytophthora</i> effector promotes homodimerization of host transcription factor StKNOX3 to enhance susceptibility. <i>Journal of Experimental Botany</i> , 2022, 73, 6902-6915.	2.4	9
30	The oomycete microbe-associated molecular pattern Pep-13 triggers SERK3/BAK1-independent plant immunity. <i>Plant Cell Reports</i> , 2019, 38, 173-182.	2.8	8
31	StPOPA, encoding an anionic peroxidase, enhances potato resistance against <i>Phytophthora infestans</i> . <i>Molecular Breeding</i> , 2020, 40, 1.	1.0	6
32	Evolutionarily distinct resistance proteins detect a pathogen effector through its association with different host targets. <i>New Phytologist</i> , 2021, 232, 1368-1381.	3.5	6
33	SSR and e-PCR Provide a Bridge Between Genetic Map and Genome Sequence of Potato for Marker Development in Target QTL Region. <i>American Journal of Potato Research</i> , 2015, 92, 312-317.	0.5	5
34	<i>Phytophthora infestans</i> RXLR effector Pi04089 perturbs diverse defense-related genes to suppress host immunity. <i>BMC Plant Biology</i> , 2021, 21, 582.	1.6	5
35	Heterologous overexpression of StERF3 triggers cell death in <i>Nicotiana benthamiana</i> . <i>Plant Science</i> , 2022, 315, 111149.	1.7	4
36	The dihydrolipoyl acyltransferase gene BCE2 participates in basal resistance against <i>Phytophthora infestans</i> in potato and <i>Nicotiana benthamiana</i> . <i>Journal of Plant Physiology</i> , 2014, 171, 907-914.	1.6	3

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37	Potato StLecRK-IV.1 negatively regulates late blight resistance by affecting the stability of a positive regulator StTET8. Horticulture Research, 2022, 9, .	2.9	3