Dingzhong Tang

List of Publications by Year
in descending order

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92 papers	20,312 citations	46918 47 h-index	40881 93 g-index
95 all docs	95 docs citations	95 times ranked	34578 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	Ferroptosis: process and function. Cell Death and Differentiation, 2016, 23, 369-379.	5.0	2,270
4	The Beclin 1 network regulates autophagy and apoptosis. Cell Death and Differentiation, 2011, 18, 571-580.	5.0	1,972
5	Draft genome of the wheat A-genome progenitor Triticum urartu. Nature, 2013, 496, 87-90.	13.7	700
6	Plants transfer lipids to sustain colonization by mutualistic mycorrhizal and parasitic fungi. Science, 2017, 356, 1172-1175.	6.0	584
7	Receptor Kinases in Plant-Pathogen Interactions: More Than Pattern Recognition. Plant Cell, 2017, 29, 618-637.	3.1	552
8	HMGB1 release and redox regulates autophagy and apoptosis in cancer cells. Oncogene, 2010, 29, 5299-5310.	2.6	421
9	Negative regulation of defense responses in plants by a conserved MAPKK kinase. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 373-378.	3.3	404
10	Simultaneous modification of three homoeologs of Ta<scp>EDR</scp>1 by genome editing enhances powdery mildew resistance in wheat. Plant Journal, 2017, 91, 714-724.	2.8	403
11	Release and activity of histone in diseases. Cell Death and Disease, 2014, 5, e1370-e1370.	2.7	324
12	Negative regulation of defense responses in plants by a conserved MAPKK kinase. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 373-8.	3.3	265
13	Autophagy Contributes to Leaf Starch Degradation Â. Plant Cell, 2013, 25, 1383-1399.	3.1	217
14	BR-SIGNALING KINASE1 Physically Associates with FLAGELLIN SENSING2 and Regulates Plant Innate Immunity in Arabidopsis Â. Plant Cell, 2013, 25, 1143-1157.	3.1	212
15	The HMGB1/RAGE inflammatory pathway promotes pancreatic tumor growth by regulating mitochondrial bioenergetics. Oncogene, 2014, 33, 567-577.	2.6	192
16	The <scp>NB</scp>â€<scp>LRR</scp> gene Pm60 confers powdery mildew resistance in wheat. New Phytologist, 2018, 218, 298-309.	3.5	157
17	Strange attractors: DAMPs and autophagy link tumor cell death and immunity. Cell Death and Disease, 2013, 4, e966-e966.	2.7	155
18	Plant immune signaling: Advancing on two frontiers. Journal of Integrative Plant Biology, 2020, 62, 2-24.	4.1	152

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19	SR1, a Calmodulin-Binding Transcription Factor, Modulates Plant Defense and Ethylene-Induced Senescence by Directly Regulating NDR1 and EIN3 Â Â Â. Plant Physiology, 2012, 158, 1847-1859.	2.3	149
20	Regulation of Plant Disease Resistance, Stress Responses, Cell Death, and Ethylene Signaling in Arabidopsis by the EDR1 Protein Kinase. Plant Physiology, 2005, 138, 1018-1026.	2.3	140
21	ATG2, an autophagyâ€related protein, negatively affects powdery mildew resistance and mildewâ€induced cell death in Arabidopsis. Plant Journal, 2011, 68, 74-87.	2.8	140
22	EDR1 Physically Interacts with MKK4/MKK5 and Negatively Regulates a MAP Kinase Cascade to Modulate Plant Innate Immunity. PLoS Genetics, 2014, 10, e1004389.	1.5	136
23	The receptor for advanced glycation end products (RAGE) enhances autophagy and neutrophil extracellular traps in pancreatic cancer. Cancer Gene Therapy, 2015, 22, 326-334.	2.2	133
24	A Truncated NLR Protein, TIR-NBS2, Is Required for Activated Defense Responses in the exo70B1 Mutant. PLoS Genetics, 2015, 11, e1004945.	1.5	127
25	Mutations in LACS2, a Long-Chain Acyl-Coenzyme A Synthetase, Enhance Susceptibility to Avirulent Pseudomonas syringae But Confer Resistance to Botrytis cinerea in Arabidopsis. Plant Physiology, 2007, 144, 1093-1103.	2.3	120
26	BRASSINOSTEROID-SIGNALING KINASE1 Phosphorylates MAPKKK5 to Regulate Immunity in Arabidopsis. Plant Physiology, 2018, 176, 2991-3002.	2.3	111
27	An Fâ€box gene, CPR30, functions as a negative regulator of the defense response in Arabidopsis. Plant Journal, 2009, 60, 757-770.	2.8	108
28	Regulation of plant defense responses in Arabidopsis by EDR2, a PH and START domain-containing protein. Plant Journal, 2005, 44, 245-257.	2.8	96
29	Magnaporthe oryzae fimbrin organizes actin networks in the hyphal tip during polar growth and pathogenesis. PLoS Pathogens, 2020, 16, e1008437.	2.1	94
30	The E3 ligase OsPUB15 interacts with the receptor-like kinase PID2 and regulates plant cell death and innate immunity. BMC Plant Biology, 2015, 15, 49.	1.6	90
31	An ankyrin-repeat and WRKY-domain-containing immune receptor confers stripe rust resistance in wheat. Nature Communications, 2020, 11, 1353.	5.8	89
32	CALCIUM-DEPENDENT PROTEIN KINASE5 Associates with the Truncated NLR Protein TIR-NBS2 to Contribute to exo70B1-Mediated Immunity. Plant Cell, 2017, 29, 746-759.	3.1	87
33	PKR-Dependent Inflammatory Signals. Science Signaling, 2012, 5, pe47.	1.6	86
34	Arabidopsis glycosylphosphatidylinositol-anchored protein LLG1 associates with and modulates FLS2 to regulate innate immunity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5749-5754.	3.3	85
35	RNA-Seq analysis reveals new gene models and alternative splicing in the fungal pathogen Fusarium graminearum. BMC Genomics, 2013, 14, 21.	1.2	79
36	ENHANCED DISEASE RESISTANCE4 Associates with CLATHRIN HEAVY CHAIN2 and Modulates Plant Immunity by Regulating Relocation of EDR1 in Arabidopsis. Plant Cell, 2015, 27, 857-873.	3.1	78

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37	You eat what you are: autophagy inhibition as a therapeutic strategy in leukemia. Leukemia, 2015, 29, 517-525.	3.3	77
38	A mutation in the GTP hydrolysis site of Arabidopsis dynamin-related protein 1E confers enhanced cell death in response to powdery mildew infection. Plant Journal, 2006, 47, 75-84.	2.8	73
39	Overexpression of a kinase-deficient form of the EDR1 gene enhances powdery mildew resistance and ethylene-induced senescence in Arabidopsis. Plant Journal, 2002, 32, 975-983.	2.8	72
40	RAGE is essential for oncogenic KRAS-mediated hypoxic signaling in pancreatic cancer. Cell Death and Disease, 2014, 5, e1480-e1480.	2.7	66
41	Mapping of QTLs conferring resistance to bacterial leaf streak in rice. Theoretical and Applied Genetics, 2000, 101, 286-291.	1.8	65
42	Transcriptional Regulation of the Immune Receptor FLS2 Controls the Ontogeny of Plant Innate Immunity. Plant Cell, 2018, 30, 2779-2794.	3.1	59
43	The Arabidopsis exocyst subunits EXO70B1 and EXO70B2 regulate FLS2 homeostasis at the plasma membrane. New Phytologist, 2020, 227, 529-544.	3.5	59
44	ThePseudomonas syringaetype III effector AvrRpt2 functions downstream or independently of SA to promote virulence onArabidopsis thaliana. Plant Journal, 2004, 37, 494-504.	2.8	57
45	RPN1a, a 26S proteasome subunit, is required for innate immunity in Arabidopsis. Plant Journal, 2012, 71, 1015-1028.	2.8	56
46	Two Arabidopsis Receptor-like Cytoplasmic Kinases SZE1 and SZE2 Associate with the ZAR1â€“ZED1 Complex and Are Required for Effector-Triggered Immunity. Molecular Plant, 2019, 12, 967-983.	3.9	55
47	Apoptosis promotes early tumorigenesis. Oncogene, 2011, 30, 1851-1854.	2.6	54
48	RECEPTOR-LIKE KINASE 902 Associates with and Phosphorylates BRASSINOSTEROID-SIGNALING KINASE1 to Regulate Plant Immunity. Molecular Plant, 2019, 12, 59-70.	3.9	53
49	HPR1, a component of the THO/TREX complex, plays an important role in disease resistance and senescence in Arabidopsis. Plant Journal, 2012, 69, 831-843.	2.8	52
50	EBR1, a Novel Zn₂Cys₆ Transcription Factor, Affects Virulence and Apical Dominance of the Hyphal Tip in Fusarium graminearum. Molecular Plant-Microbe Interactions, 2011, 24, 1407-1418.	1.4	48
51	Role of AMP-activated protein kinase in cross-talk between apoptosis and autophagy in human colon cancer. Cell Death and Disease, 2014, 5, e1504-e1504.	2.7	48
52	Arabidopsis E3 ligase KEG associates with and ubiquitinates MKK4 and MKK5 to regulate plant immunity. Journal of Integrative Plant Biology, 2021, 63, 327-339.	4.1	48
53	Arabidopsis ROOT UVB SENSITIVE2/WEAK AUXIN RESPONSE1Is Required for Polar Auxin Transport Â. Plant Cell, 2010, 22, 1749-1761.	3.1	40
54	The Pseudomonas Syringae Effector AvrPtoB Associates With and Ubiquitinates Arabidopsis Exocyst Subunit EXO70B1. Frontiers in Plant Science, 2019, 10, 1027.	1.7	40

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55	Suppression of edr2-mediated powdery mildew resistance, cell death and ethylene-induced senescence by mutations in ALD1 in Arabidopsis. Journal of Genetics and Genomics, 2011, 38, 137-148.	1.7	36
56	The autophagy gene,ATG18a, plays a negative role in powdery mildew resistance and mildew-induced cell death in Arabidopsis. Plant Signaling and Behavior, 2011, 6, 1408-1410.	1.2	34
57	The major leaf ferredoxin Fd2 regulates plant innate immunity in Arabidopsis. Molecular Plant Pathology, 2018, 19, 1377-1390.	2.0	32
58	BSK1, a receptor-like cytoplasmic kinase, involved in both BR signaling and innate immunity inArabidopsis. Plant Signaling and Behavior, 2013, 8, e24996.	1.2	30
59	Expression of antimicrobial peptides thanatin(S) in transgenic Arabidopsis enhanced resistance to phytopathogenic fungi and bacteria. Gene, 2013, 527, 235-242.	1.0	27
60	Relocation of genes generates non-conserved chromosomal segments in Fusarium graminearumthat show distinct and co-regulated gene expression patterns. BMC Genomics, 2014, 15, 191.	1.2	27
61	A mutation in a coproporphyrinogen III oxidase gene confers growth inhibition, enhanced powdery mildew resistance and powdery mildew-induced cell death in Arabidopsis. Plant Cell Reports, 2013, 32, 687-702.	2.8	25
62	Mutation of the Glucosinolate Biosynthesis Enzyme Cytochrome P450 83A1 Monooxygenase Increases Camalexin Accumulation and Powdery Mildew Resistance. Frontiers in Plant Science, 2016, 7, 227.	1.7	25
63	miR-142-3p Inhibits the Metastasis of Hepatocellular Carcinoma Cells by Regulating HMGB1 Gene Expression. Current Molecular Medicine, 2018, 18, 135-141.	0.6	24
64	Transcriptome analysis of rice response to blast fungus identified core genes involved in immunity. Plant, Cell and Environment, 2021, 44, 3103-3121.	2.8	23
65	Transgenic expression of an insect diapause-specific peptide (DSP) in Arabidopsis resists phytopathogenic fungal attacks. European Journal of Plant Pathology, 2013, 137, 93-101.	0.8	22
66	BRASSINOSTEROID-SIGNALING KINASE1 modulates MAP KINASE15 phosphorylation to confer powdery mildew resistance in Arabidopsis. Plant Cell, 2022, 34, 1768-1783.	3.1	22
67	Arabidopsis ZED1â€related kinases mediate the temperatureâ€sensitive intersection of immune response and growth homeostasis. New Phytologist, 2017, 215, 711-724.	3.5	21
68	Establishment and characterization of new wheat- Thinopyrum ponticum addition and translocation lines with resistance to Ug99 races. Journal of Genetics and Genomics, 2016, 43, 573-575.	1.7	15
69	TCP transcription factors interact with ZED1â€related kinases as components of the temperatureâ€regulated immunity. Plant, Cell and Environment, 2019, 42, 2045-2056.	2.8	15
70	OsExo70B1 Positively Regulates Disease Resistance to Magnaporthe oryzae in Rice. International Journal of Molecular Sciences, 2020, 21, 7049.	1.8	14
71	Towards rice genome scanning by map-based AFLP fingerprinting. Molecular Genetics and Genomics, 1999, 261, 184-195.	2.4	11
72	The TIRâ€NBS protein TN13 associates with the CCâ€NBSâ€LRR resistance protein RPS5 and contributes to RPS5â€triggered immunity in Arabidopsis. Plant Journal, 2021, 107, 775-786.	2.8	11

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73	The 14â€3â€3 protein GF14c positively regulates immunity by modulating the protein homoeostasis of the GRAS protein OsSCL7 in rice. Plant, Cell and Environment, 2022, 45, 1065-1081.	2.8	11
74	Diversity and similarity of wheat powdery mildew resistance among three allelic functional genes at the Pm60 locus. Plant Journal, 2022, 110, 1781-1790.	2.8	11
75	The THO/TREX complex functions in disease resistance in Arabidopsis. Plant Signaling and Behavior, 2012, 7, 422-424.	1.2	9
76	A Truncated TIR-NBS Protein TN10 Pairs with Two Clustered TIR-NBS-LRR Immune Receptors and Contributes to Plant Immunity in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 4004.	1.8	9
77	The truncated TNL receptor TN2â€mediated immune responses require ADR1 function. Plant Journal, 2021, 108, 672-689.	2.8	9
78	A NAC Transcription Factor TuNAC69 Contributes to ANK-NLR-WRKY NLR-Mediated Stripe Rust Resistance in the Diploid Wheat Triticum urartu. International Journal of Molecular Sciences, 2022, 23, 564.	1.8	9
79	<scp>PEPR</scp> s spice up plant immunity. EMBO Journal, 2016, 35, 4-5.	3.5	7
80	Transcriptome analysis of different rice cultivars provides novel insights into the rice response to bacterial leaf streak infection. Functional and Integrative Genomics, 2020, 20, 681-693.	1.4	7
81	Magnaporthe oryzae Transcription Factor MoBZIP3 Regulates Appressorium Turgor Pressure Formation during Pathogenesis. International Journal of Molecular Sciences, 2022, 23, 881.	1.8	6
82	Phosphorylation of OsTGA5 by casein kinase II compromises its suppression of defense-related gene transcription in rice. Plant Cell, 2022, 34, 3425-3442.	3.1	6
83	Expressional profiling of genes related to pollination and fertilization in rice. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 2001, 324, 1111-1116.	0.8	5
84	The OsSPK1â€“OsRac1â€“RAI1 defense signaling pathway is shared by two distantly related NLR proteins in rice blast resistance. Plant Physiology, 2021, 187, 2852-2864.	2.3	5
85	Assessment of Posttranslational Modifications of ATG proteins. Methods in Enzymology, 2017, 587, 171-188.	0.4	4
86	Mechanism of plant immune activation and signaling: Insight from the first solved plant resistosome structure. Journal of Integrative Plant Biology, 2019, 61, 902-907.	4.1	4
87	Identification and application of the Pigmâ€1 gene in rice disease resistance breeding. Plant Biology, 2020, 22, 1022-1029.	1.8	4
88	Twinfilin regulates actin assembly and Hexagonal peroxisome 1 (Hex1) localization in the pathogenesis of rice blast fungus Magnaporthe oryzae. Molecular Plant Pathology, 2021, 22, 1641-1655.	2.0	4
89	Utility of Triti-Map for bulk-segregated mapping of causal genes and regulatory elements in Triticeae. Plant Communications, 2022, , 100304.	3.6	4
90	TuRLK1, a leucine-rich repeat receptor-like kinase, is indispensable for stripe rust resistance of YrU1 and confers broad resistance to multiple pathogens. BMC Plant Biology, 2022, 22, .	1.6	4

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91	Isolation of candidateR disease resistance genes from rice. Science Bulletin, 1998, 43, 497-500.	1.7	2
92	Influence of void ratio on phase change of thermal energy storage for heat pipe receiver. Journal of Engineering Thermophysics, 2016, 25, 275-287.	0.6	2