

# Dingzhong Tang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85  
papers

15,054  
citations

41  
h-index

95  
g-index

95  
ext. papers

17,990  
ext. citations

8.2  
avg. IF

6.25  
L-index

#	Paper	IF	Citations
85	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
84	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544	10.2	2783
83	The Beclin 1 network regulates autophagy and apoptosis. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 571-80	10.7	1602
82	Ferroptosis: process and function. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 369-79	12.7	1173
81	Draft genome of the wheat A-genome progenitor <i>Triticum urartu</i> . <i>Nature</i> , <b>2013</b> , 496, 87-90	50.4	589
80	HMGB1 release and redox regulates autophagy and apoptosis in cancer cells. <i>Oncogene</i> , <b>2010</b> , 29, 5299-310	11.0	362
79	Negative regulation of defense responses in plants by a conserved MAPKK kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 373-378	11.5	337
78	Plants transfer lipids to sustain colonization by mutualistic mycorrhizal and parasitic fungi. <i>Science</i> , <b>2017</b> , 356, 1172-1175	33.3	325
77	Receptor Kinases in Plant-Pathogen Interactions: More Than Pattern Recognition. <i>Plant Cell</i> , <b>2017</b> , 29, 618-637	11.6	295
76	Release and activity of histone in diseases. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1370	9.8	243
75	Negative regulation of defense responses in plants by a conserved MAPKK kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 373-8	11.5	224
74	Simultaneous modification of three homoeologs of TaEDR1 by genome editing enhances powdery mildew resistance in wheat. <i>Plant Journal</i> , <b>2017</b> , 91, 714-724	6.9	223
73	BR-SIGNALING KINASE1 physically associates with FLAGELLIN SENSING2 and regulates plant innate immunity in Arabidopsis. <i>Plant Cell</i> , <b>2013</b> , 25, 1143-57	11.6	160
72	The HMGB1/RAGE inflammatory pathway promotes pancreatic tumor growth by regulating mitochondrial bioenergetics. <i>Oncogene</i> , <b>2014</b> , 33, 567-77	9.2	157
71	Autophagy contributes to leaf starch degradation. <i>Plant Cell</i> , <b>2013</b> , 25, 1383-99	11.6	157
70	Strange attractors: DAMPs and autophagy link tumor cell death and immunity. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e966	9.8	133
69	Regulation of plant disease resistance, stress responses, cell death, and ethylene signaling in Arabidopsis by the EDR1 protein kinase. <i>Plant Physiology</i> , <b>2005</b> , 138, 1018-26	6.6	122

68	SR1, a calmodulin-binding transcription factor, modulates plant defense and ethylene-induced senescence by directly regulating NDR1 and EIN3. <i>Plant Physiology</i> , <b>2012</b> , 158, 1847-59	6.6	110
67	ATG2, an autophagy-related protein, negatively affects powdery mildew resistance and mildew-induced cell death in Arabidopsis. <i>Plant Journal</i> , <b>2011</b> , 68, 74-87	6.9	108
66	Mutations in LACS2, a long-chain acyl-coenzyme A synthetase, enhance susceptibility to avirulent <i>Pseudomonas syringae</i> but confer resistance to <i>Botrytis cinerea</i> in Arabidopsis. <i>Plant Physiology</i> , <b>2007</b> , 144, 1093-103	6.6	101
65	A truncated NLR protein, TIR-NBS2, is required for activated defense responses in the <i>exo70B1</i> mutant. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1004945	6	91
64	EDR1 physically interacts with MKK4/MKK5 and negatively regulates a MAP kinase cascade to modulate plant innate immunity. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004389	6	91
63	The receptor for advanced glycation end products (RAGE) enhances autophagy and neutrophil extracellular traps in pancreatic cancer. <i>Cancer Gene Therapy</i> , <b>2015</b> , 22, 326-34	5.4	90
62	The NB-LRR gene Pm60 confers powdery mildew resistance in wheat. <i>New Phytologist</i> , <b>2018</b> , 218, 298-309	9.8	84
61	An F-box gene, CPR30, functions as a negative regulator of the defense response in Arabidopsis. <i>Plant Journal</i> , <b>2009</b> , 60, 757-70	6.9	84
60	Regulation of plant defense responses in Arabidopsis by EDR2, a PH and START domain-containing protein. <i>Plant Journal</i> , <b>2005</b> , 44, 245-57	6.9	79
59	Plant immune signaling: Advancing on two frontiers. <i>Journal of Integrative Plant Biology</i> , <b>2020</b> , 62, 2-24	8.3	72
58	PKR-dependent inflammatory signals. <i>Science Signaling</i> , <b>2012</b> , 5, pe47	8.8	69
57	RNA-Seq analysis reveals new gene models and alternative splicing in the fungal pathogen <i>Fusarium graminearum</i> . <i>BMC Genomics</i> , <b>2013</b> , 14, 21	4.5	64
56	BRASSINOSTEROID-SIGNALING KINASE1 Phosphorylates MAPKKK5 to Regulate Immunity in Arabidopsis. <i>Plant Physiology</i> , <b>2018</b> , 176, 2991-3002	6.6	62
55	Overexpression of a kinase-deficient form of the EDR1 gene enhances powdery mildew resistance and ethylene-induced senescence in Arabidopsis. <i>Plant Journal</i> , <b>2002</b> , 32, 975-83	6.9	62
54	CALCIUM-DEPENDENT PROTEIN KINASE5 Associates with the Truncated NLR Protein TIR-NBS2 to Contribute to Mediated Immunity. <i>Plant Cell</i> , <b>2017</b> , 29, 746-759	11.6	59
53	You eat what you are: autophagy inhibition as a therapeutic strategy in leukemia. <i>Leukemia</i> , <b>2015</b> , 29, 517-25	10.7	58
52	glycosylphosphatidylinositol-anchored protein LLG1 associates with and modulates FLS2 to regulate innate immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 5749-5754	11.5	56
51	The E3 ligase OsPUB15 interacts with the receptor-like kinase PID2 and regulates plant cell death and innate immunity. <i>BMC Plant Biology</i> , <b>2015</b> , 15, 49	5.3	56

50	The <i>Pseudomonas syringae</i> type III effector AvrRpt2 functions downstream or independently of SA to promote virulence on <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , <b>2004</b> , 37, 494-504	6.9	56
49	A mutation in the GTP hydrolysis site of <i>Arabidopsis</i> dynamin-related protein 1E confers enhanced cell death in response to powdery mildew infection. <i>Plant Journal</i> , <b>2006</b> , 47, 75-84	6.9	55
48	Mapping of QTLs conferring resistance to bacterial leaf streak in rice. <i>Theoretical and Applied Genetics</i> , <b>2000</b> , 101, 286-291	6	53
47	Apoptosis promotes early tumorigenesis. <i>Oncogene</i> , <b>2011</b> , 30, 1851-4	9.2	45
46	ENHANCED DISEASE RESISTANCE4 associates with CLATHRIN HEAVY CHAIN2 and modulates plant immunity by regulating relocation of EDR1 in <i>Arabidopsis</i> . <i>Plant Cell</i> , <b>2015</b> , 27, 857-73	11.6	44
45	RAGE is essential for oncogenic KRAS-mediated hypoxic signaling in pancreatic cancer. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1480	9.8	42
44	HPR1, a component of the THO/TREX complex, plays an important role in disease resistance and senescence in <i>Arabidopsis</i> . <i>Plant Journal</i> , <b>2012</b> , 69, 831-43	6.9	40
43	Role of AMP-activated protein kinase in cross-talk between apoptosis and autophagy in human colon cancer. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1504	9.8	39
42	RPN1a, a 26S proteasome subunit, is required for innate immunity in <i>Arabidopsis</i> . <i>Plant Journal</i> , <b>2012</b> , 71, 1015-28	6.9	38
41	<i>Arabidopsis</i> ROOT UVB SENSITIVE2/WEAK AUXIN RESPONSE1 is required for polar auxin transport. <i>Plant Cell</i> , <b>2010</b> , 22, 1749-61	11.6	33
40	Suppression of <i>edr2</i> -mediated powdery mildew resistance, cell death and ethylene-induced senescence by mutations in <i>ALD1</i> in <i>Arabidopsis</i> . <i>Journal of Genetics and Genomics</i> , <b>2011</b> , 38, 137-48	4	30
39	EBR1, a novel Zn(2)Cys(6) transcription factor, affects virulence and apical dominance of the hyphal tip in <i>Fusarium graminearum</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2011</b> , 24, 1407-18	3.6	29
38	Transcriptional Regulation of the Immune Receptor FLS2 Controls the Ontogeny of Plant Innate Immunity. <i>Plant Cell</i> , <b>2018</b> , 30, 2779-2794	11.6	29
37	<i>Magnaporthe oryzae</i> fimbrin organizes actin networks in the hyphal tip during polar growth and pathogenesis. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008437	7.6	26
36	The autophagy gene, <i>ATG18a</i> , plays a negative role in powdery mildew resistance and mildew-induced cell death in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , <b>2011</b> , 6, 1408-10	2.5	26
35	BSK1, a receptor-like cytoplasmic kinase, involved in both BR signaling and innate immunity in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , <b>2013</b> , 8,	2.5	25
34	Two <i>Arabidopsis</i> Receptor-like Cytoplasmic Kinases SZE1 and SZE2 Associate with the ZAR1-ZED1 Complex and Are Required for Effector-Triggered Immunity. <i>Molecular Plant</i> , <b>2019</b> , 12, 967-983	14.4	24
33	An ankyrin-repeat and WRKY-domain-containing immune receptor confers stripe rust resistance in wheat. <i>Nature Communications</i> , <b>2020</b> , 11, 1353	17.4	24

32	RECEPTOR-LIKE KINASE 902 Associates with and Phosphorylates BRASSINOSTEROID-SIGNALING KINASE1 to Regulate Plant Immunity. <i>Molecular Plant</i> , <b>2019</b> , 12, 59-70	14.4	23
31	The major leaf ferredoxin Fd2 regulates plant innate immunity in Arabidopsis. <i>Molecular Plant Pathology</i> , <b>2018</b> , 19, 1377-1390	5.7	21
30	Expression of antimicrobial peptides thanatin(S) in transgenic Arabidopsis enhanced resistance to phytopathogenic fungi and bacteria. <i>Gene</i> , <b>2013</b> , 527, 235-42	3.8	20
29	A mutation in a coproporphyrinogen III oxidase gene confers growth inhibition, enhanced powdery mildew resistance and powdery mildew-induced cell death in Arabidopsis. <i>Plant Cell Reports</i> , <b>2013</b> , 32, 687-702	5.1	18
28	Relocation of genes generates non-conserved chromosomal segments in <i>Fusarium graminearum</i> that show distinct and co-regulated gene expression patterns. <i>BMC Genomics</i> , <b>2014</b> , 15, 191	4.5	18
27	The Effector AvrPtoB Associates With and Ubiquitinates Exocyst Subunit EXO70B1. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1027	6.2	17
26	The Arabidopsis exocyst subunits EXO70B1 and EXO70B2 regulate FLS2 homeostasis at the plasma membrane. <i>New Phytologist</i> , <b>2020</b> , 227, 529-544	9.8	17
25	Transgenic expression of an insect diapause-specific peptide (DSP) in Arabidopsis resists phytopathogenic fungal attacks. <i>European Journal of Plant Pathology</i> , <b>2013</b> , 137, 93-101	2.1	17
24	miR-142-3p Inhibits the Metastasis of Hepatocellular Carcinoma Cells by Regulating HMGB1 Gene Expression. <i>Current Molecular Medicine</i> , <b>2018</b> , 18, 135-141	2.5	17
23	Mutation of the Glucosinolate Biosynthesis Enzyme Cytochrome P450 83A1 Monooxygenase Increases Camalexin Accumulation and Powdery Mildew Resistance. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 227	6.2	16
22	Arabidopsis E3 ligase KEG associates with and ubiquitinates MKK4 and MKK5 to regulate plant immunity. <i>Journal of Integrative Plant Biology</i> , <b>2021</b> , 63, 327-339	8.3	16
21	Arabidopsis ZED1-related kinases mediate the temperature-sensitive intersection of immune response and growth homeostasis. <i>New Phytologist</i> , <b>2017</b> , 215, 711-724	9.8	13
20	TCP transcription factors interact with ZED1-related kinases as components of the temperature-regulated immunity. <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 2045-2056	8.4	9
19	Towards rice genome scanning by map-based AFLP fingerprinting. <i>Molecular Genetics and Genomics</i> , <b>1999</b> , 261, 184-95		8
18	The THO/TREX complex functions in disease resistance in Arabidopsis. <i>Plant Signaling and Behavior</i> , <b>2012</b> , 7, 422-4	2.5	7
17	PEPRs spice up plant immunity. <i>EMBO Journal</i> , <b>2016</b> , 35, 4-5	13	5
16	Expressional profiling of genes related to pollination and fertilization in rice. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , <b>2001</b> , 324, 1111-6		5
15	Establishment and characterization of new wheat- <i>Thinopyrum ponticum</i> addition and translocation lines with resistance to Ug99 races. <i>Journal of Genetics and Genomics</i> , <b>2016</b> , 43, 573-575	4	5

14	The TIR-NBS protein TN13 associates with the CC-NBS-LRR resistance protein RPS5 and contributes to RPS5-triggered immunity in Arabidopsis. <i>Plant Journal</i> , <b>2021</b> , 107, 775-786	6.9	4
13	Assessment of Posttranslational Modifications of ATG proteins. <i>Methods in Enzymology</i> , <b>2017</b> , 587, 171-188		3
12	Mechanism of plant immune activation and signaling: Insight from the first solved plant resistosome structure. <i>Journal of Integrative Plant Biology</i> , <b>2019</b> , 61, 902-907	8.3	3
11	Transcriptome analysis of different rice cultivars provides novel insights into the rice response to bacterial leaf streak infection. <i>Functional and Integrative Genomics</i> , <b>2020</b> , 20, 681-693	3.8	3
10	Influence of void ratio on phase change of thermal energy storage for heat pipe receiver. <i>Journal of Engineering Thermophysics</i> , <b>2016</b> , 25, 275-287	1.4	1
9	Isolation of candidateR disease resistance genes from rice. <i>Science Bulletin</i> , <b>1998</b> , 43, 497-500		1
8	BRASSINOSTEROID-SIGNALING KINASE1 modulates MAP KINASE15 phosphorylation to confer powdery mildew resistance in Arabidopsis.. <i>Plant Cell</i> , <b>2022</b> ,	11.6	1
7	Identification and application of the Pigm-1 gene in rice disease resistance breeding. <i>Plant Biology</i> , <b>2020</b> , 22, 1022-1029	3.7	1
6	A Truncated TIR-NBS Protein TN10 Pairs with Two Clustered TIR-NBS-LRR Immune Receptors and Contributes to Plant Immunity in. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
5	The truncated TNL receptor TN2-mediated immune responses require ADR1 function. <i>Plant Journal</i> , <b>2021</b> , 108, 672-689	6.9	1
4	Twinfilin regulates actin assembly and Hexagonal peroxisome 1 (Hex1) localization in the pathogenesis of rice blast fungus Magnaporthe oryzae. <i>Molecular Plant Pathology</i> , <b>2021</b> , 22, 1641-1655	5.7	1
3	Utility of Triti-Map for bulk-segregated mapping of causal genes and regulatory elements in Triticeae. <i>Plant Communications</i> , <b>2022</b> , 100304	9	1
2	Transcriptome analysis of rice response to blast fungus identified core genes involved in immunity. <i>Plant, Cell and Environment</i> , <b>2021</b> , 44, 3103-3121	8.4	0
1	The OsSPK1-OsRac1-RAI1 defense signaling pathway is shared by two distantly related NLR proteins in rice blast resistance. <i>Plant Physiology</i> , <b>2021</b> , 187, 2852-2864	6.6	0