Yuelin Zhang

List of Publications by Year
in descending order

76 papers	9,506 citations	61857 43 h-index	82410 72 g-index
83 all docs	83 docs citations	83 times ranked	7175 citing authors

#	Article	IF	Citations
1	Receptor-like Cytoplasmic Kinases Integrate Signaling from Multiple Plant Immune Receptors and Are Targeted by a Pseudomonas syringae Effector. Cell Host and Microbe, 2010, 7, 290-301.	5.1	713
2	Plant Immunity: Danger Perception and Signaling. Cell, 2020, 181, 978-989.	13.5	520
3	Opposite Roles of Salicylic Acid Receptors NPR1 and NPR3/NPR4 in Transcriptional Regulation of Plant Immunity. Cell, 2018, 173, 1454-1467.e15.	13.5	510
4	A Gain-of-Function Mutation in a Plant Disease Resistance Gene Leads to Constitutive Activation of Downstream Signal Transduction Pathways in suppressor of npr1-1, constitutive 1. Plant Cell, 2003, 15, 2636-2646.	3.1	446
5	Knockout Analysis of Arabidopsis Transcription Factors TGA2, TGA5, and TGA6 Reveals Their Redundant and Essential Roles in Systemic Acquired Resistance. Plant Cell, 2003, 15, 2647-2653.	3.1	444
6	MEKK1, MKK1/MKK2 and MPK4 function together in a mitogen-activated protein kinase cascade to regulate innate immunity in plants. Cell Research, 2008, 18, 1190-1198.	5.7	382
7	Control of salicylic acid synthesis and systemic acquired resistance by two members of a plant-specific family of transcription factors. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18220-18225.	3.3	344
8	Salicylic acid: biosynthesis, perception, and contributions to plant immunity. Current Opinion in Plant Biology, 2019, 50, 29-36.	3.5	334
9	Regulation of Cell Death and Innate Immunity by Two Receptor-like Kinases in Arabidopsis. Cell Host and Microbe, 2009, 6, 34-44.	5.1	328
10	Disruption of PAMP-Induced MAP Kinase Cascade by a Pseudomonas syringae Effector Activates Plant Immunity Mediated by the NB-LRR Protein SUMM2. Cell Host and Microbe, 2012, 11, 253-263.	5.1	321
11	Isochorismate-derived biosynthesis of the plant stress hormone salicylic acid. Science, 2019, 365, 498-502.	6.0	273
12	Activation of an EDS1-Mediated R-Gene Pathway in the snc1 Mutant Leads to Constitutive, NPR1-Independent Pathogen Resistance. Molecular Plant-Microbe Interactions, 2001, 14, 1131-1139.	1.4	252
13	Convergent and Divergent Signaling in PAMP-Triggered Immunity and Effector-Triggered Immunity. Molecular Plant-Microbe Interactions, 2018, 31, 403-409.	1.4	246
14	Identification and Cloning of a Negative Regulator of Systemic Acquired Resistance, SNI1, through a Screen for Suppressors of npr1-1. Cell, 1999, 98, 329-339.	13.5	240
15	The MEKK1-MKK1/MKK2-MPK4 Kinase Cascade Negatively Regulates Immunity Mediated by a Mitogen-Activated Protein Kinase Kinase Kinase in <i>Arabidopsis</i>. Plant Cell, 2012, 24, 2225-2236.	3.1	219
16	Arabidopsis heterotrimeric G proteins regulate immunity by directly coupling to the FLS2 receptor. ELife, 2016, 5, e13568.	2.8	217
17	Negative regulation of defense responses in Arabidopsis by twoNPR1paralogs. Plant Journal, 2006, 48, 647-656.	2.8	206
18	Stability of plant immune-receptor resistance proteins is controlled by SKP1-CULLIN1-F-box (SCF)-mediated protein degradation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14694-14699.	3.3	205

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19	Salicylic Acid: Biosynthesis and Signaling. Annual Review of Plant Biology, 2021, 72, 761-791.	8.6	193
20	ChIP-seq reveals broad roles of SARD1 and CBP60g in regulating plant immunity. Nature Communications, 2015, 6, 10159.	5.8	178
21	Activation of TIR signalling boosts pattern-triggered immunity. Nature, 2021, 598, 500-503.	13.7	176
22	NLRs in plants. Current Opinion in Immunology, 2015, 32, 114-121.	2.4	146
23	<scp>TGACG</scp>â€<scp>BINDING FACTOR</scp> 1 (<scp>TGA</scp>1) and <scp>TGA</scp>4 regulate salicylic acid and pipecolic acid biosynthesis by modulating the expression of <i>SYSTEMIC ACQUIRED RESISTANCE <scp>DEFICIENT</scp> 1</i> (<i><scp>SARD</scp>1</i>) and <i><scp>CALMODULIN</scp>â€<scp>BINDING PROTEIN</scp> 60g</i> (<i><scp>CBP</scp>60g</i>). New Phytologist, 2018, 217, 344-354.	3.5	126
24	Characterization of a Pipecolic Acid Biosynthesis Pathway Required for Systemic Acquired Resistance. Plant Cell, 2016, 28, 2603-2615.	3.1	121
25	Activation of Plant Immune Responses by a Gain-of-Function Mutation in an Atypical Receptor-Like Kinase Â Â Â. Plant Physiology, 2010, 153, 1771-1779.	2.3	120
26	SRFR1 Negatively Regulates Plant NB-LRR Resistance Protein Accumulation to Prevent Autoimmunity. PLoS Pathogens, 2010, 6, e1001111.	2.1	112
27	MAP kinase signalling: interplays between plant PAMP- and effector-triggered immunity. Cellular and Molecular Life Sciences, 2018, 75, 2981-2989.	2.4	105
28	Antagonistic interactions between two <scp>MAP</scp> kinase cascades in plant development and immune signaling. EMBO Reports, 2018, 19, .	2.0	103
29	Two N-Terminal Acetyltransferases Antagonistically Regulate the Stability of a Nod-Like Receptor in Arabidopsis. Plant Cell, 2015, 27, 1547-1562.	3.1	102
30	Biosynthesis and Regulation of Salicylic Acid and N-Hydroxypipecolic Acid in Plant Immunity. Molecular Plant, 2020, 13, 31-41.	3.9	98
31	<i>Arabidopsis snc2-1D</i> Activates Receptor-Like Protein-Mediated Immunity Transduced through WRKY70. Plant Cell, 2010, 22, 3153-3163.	3.1	95
32	Mighty Dwarfs: Arabidopsis Autoimmune Mutants and Their Usages in Genetic Dissection of Plant Immunity. Frontiers in Plant Science, 2016, 7, 1717.	1.7	95
33	The <scp>NLR</scp> protein <scp>SUMM</scp> 2 senses the disruption of an immune signaling <scp>MAP</scp> kinase cascade via <scp>CRCK</scp> 3. EMBO Reports, 2017, 18, 292-302.	2.0	89
34	Redundant CAMTA Transcription Factors Negatively Regulate the Biosynthesis of Salicylic Acid and N-Hydroxypipecolic Acid by Modulating the Expression of SARD1 and CBP60g. Molecular Plant, 2020, 13, 144-156.	3.9	88
35	Diverse Roles of the Salicylic Acid Receptors NPR1 and NPR3/NPR4 in Plant Immunity. Plant Cell, 2020, 32, 4002-4016.	3.1	87
36	Salicylic Acid: A Double-Edged Sword for Programed Cell Death in Plants. Frontiers in Plant Science, 2018, 9, 1133.	1.7	82

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37	Lossâ€ofâ€function of <i>Arabidopsis</i> receptorâ€like kinase <scp>BIR</scp>1 activates cell death and defense responses mediated by <scp>BAK</scp>1 and <scp>SOBIR</scp>1. New Phytologist, 2016, 212, 637-645.	3.5	79
38	NLR-Associating Transcription Factor bHLH84 and Its Paralogs Function Redundantly in Plant Immunity. PLoS Pathogens, 2014, 10, e1004312.	2.1	71
39	The glycosyltransferase UGT76B1 modulates<i>N</i>-hydroxy-pipecolic acid homeostasis and plant immunity. Plant Cell, 2021, 33, 735-749.	3.1	71
40	E3 ligase SAUL1 serves as a positive regulator of PAMPâ€triggered immunity and its homeostasis is monitored by immune receptor SOC3. New Phytologist, 2017, 215, 1516-1532.	3.5	69
41	Heterotrimeric G proteins interact with defense-related receptor-like kinases in Arabidopsis. Journal of Plant Physiology, 2015, 188, 44-48.	1.6	61
42	TIR signal promotes interactions between lipase-like proteins and ADR1-L1 receptor and ADR1-L1 oligomerization. Plant Physiology, 2021, 187, 681-686.	2.3	57
43	Brush and Spray: A High-Throughput Systemic Acquired Resistance Assay Suitable for Large-Scale Genetic Screening Â Â. Plant Physiology, 2011, 157, 973-980.	2.3	56
44	Splicing of Receptor-Like Kinase-Encoding SNC4 and CERK1 is Regulated by Two Conserved Splicing Factors that Are Required for Plant Immunity. Molecular Plant, 2014, 7, 1766-1775.	3.9	47
45	Identification of additional MAP kinases activated upon PAMP treatment. Plant Signaling and Behavior, 2014, 9, e976155.	1.2	46
46	Mutations in an Atypical TIR-NB-LRR-LIM Resistance Protein Confer Autoimmunity. Frontiers in Plant Science, 2011, 2, 71.	1.7	45
47	Two redundant receptor-like cytoplasmic kinases function downstream of pattern recognition receptors to regulate activation of SA biosynthesis in Arabidopsis. Plant Physiology, 2016, 171, pp.01954.2015.	2.3	44
48	Individual components of paired typical NLR immune receptors are regulated by distinct E3 ligases. Nature Plants, 2018, 4, 699-710.	4.7	43
49	TGACGâ€BINDING FACTORs (TGAs) and TGAâ€interacting CCâ€type glutaredoxins modulate hyponastic growth in <i>Arabidopsis thaliana</i>. New Phytologist, 2019, 221, 1906-1918.	3.5	43
50	Structural basis for BIR1-mediated negative regulation of plant immunity. Cell Research, 2017, 27, 1521-1524.	5.7	41
51	MAP kinase cascades in plant development and immune signaling. EMBO Reports, 2022, 23, e53817.	2.0	41
52	Plant E3 ligases <scp>SNIPER</scp> 1 and <scp>SNIPER</scp> 2 broadly regulate the homeostasis of sensor <scp>NLR</scp> immune receptors. EMBO Journal, 2020, 39, e104915.	3.5	38
53	Shortâ€•and longâ€distance signaling in plant defense. Plant Journal, 2021, 105, 505-517.	2.8	34
54	MKK6 Functions in Two Parallel MAP Kinase Cascades in Immune Signaling. Plant Physiology, 2018, 178, 1284-1295.	2.3	33

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55	Arabidopsis CALMODULIN-BINDING PROTEIN 60b plays dual roles in plant immunity. Plant Communications, 2021, 2, 100213.	3.6	25
56	The N-terminally truncated helper NLR <i>NRG1C</i> antagonizes immunity mediated by its full-length neighbors <i>NRG1A</i> and <i>NRG1B</i>. Plant Cell, 2022, 34, 1621-1640.	3.1	22
57	Perception of Salicylic Acid in Physcomitrella patens. Frontiers in Plant Science, 2017, 8, 2145.	1.7	21
58	Engineering plant disease resistance against biotrophic pathogens. Current Opinion in Plant Biology, 2021, 60, 101987.	3.5	18
59	IBR5 Modulates Temperature-Dependent, R Protein CHS3-Mediated Defense Responses in Arabidopsis. PLoS Genetics, 2015, 11, e1005584.	1.5	17
60	MEKK2 inhibits activation of MAP kinases in Arabidopsis. Plant Journal, 2020, 103, 705-714.	2.8	16
61	WRKY54 and WRKY70 positively regulate <i>SARD1</i> and <i>CBP60g</i> expression in plant immunity. Plant Signaling and Behavior, 2021, 16, 1932142.	1.2	15
62	Negative regulation of resistance proteinâ€mediated immunity by master transcription factors SARD1 and CBP60g. Journal of Integrative Plant Biology, 2018, 60, 1023-1027.	4.1	14
63	The Emergence of a Mobile Signal for Systemic Acquired Resistance. Plant Cell, 2019, 31, 1414-1415.	3.1	14
64	Differential requirement of BAK1 Câ€terminal tail in development and immunity. Journal of Integrative Plant Biology, 2018, 60, 270-275.	4.1	12
65	ER Quality Control Components UGGT and STT3a Are Required for Activation of Defense Responses in Bir1-1. PLoS ONE, 2015, 10, e0120245.	1.1	12
66	Identification of Components in Disease-Resistance Signaling in <i>Arabidopsis</i> by Map-Based Cloning. , 2007, 354, 69-78.		11
67	Mitogen-activated protein kinase kinase 6 negatively regulates anthocyanin induction in Arabidopsis. Plant Signaling and Behavior, 2018, 13, e1526000.	1.2	11
68	Receptorâ€like kinases MDS1 and MDS2 promote SUMM2â€mediated immunity. Journal of Integrative Plant Biology, 2021, 63, 277-282.	4.1	10
69	Knockout of SlNPR1 enhances tomato plants resistance against Botrytis cinerea by modulating ROS homeostasis and JA / ET signaling pathways. Physiologia Plantarum, 2020, 170, 569-579.	2.6	9
70	Pectin Modification in Seed Coat Mucilage by <i>In Vivo</i> Expression of Rhamnogalacturonan-I- and Homogalacturonan-Degrading Enzymes. Plant and Cell Physiology, 2021, 62, 1912-1926.	1.5	8
71	Suppressor Screens in Arabidopsis. Methods in Molecular Biology, 2016, 1363, 1-8.	0.4	7
72	A structural view of salicylic acid perception. Nature Plants, 2020, 6, 1197-1198.	4.7	4

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73	High transformation efficiency in Arabidopsis using extremely low Agrobacterium inoculum. F1000Research, 0, 9, 356.	0.8	1
74	From blooms to brooms. Trends in Microbiology, 2022, 30, 3-5.	3.5	1
75	Calcium channels at the center of nucleotide-binding leucine-rich repeat receptor-mediated plant immunity. Journal of Genetics and Genomics, 2021, 48, 429-432.	1.7	0
76	High transformation efficiency in Arabidopsis using extremely low Agrobacterium inoculum. F1000Research, 0, 9, 356.	0.8	0