

# Yuelin Zhang

## List of Publications by Year in descending order

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76  
papers

9,506  
citations

61984

43  
h-index

82547

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 <i>Pseudomonas syringae</i> Effector. <i>Cell Host and Microbe</i> , 2010, 7, 290-301.	11.0	713
2	Plant Immunity: Danger Perception and Signaling. <i>Cell</i> , 2020, 181, 978-989.	28.9	520
3	Opposite Roles of Salicylic Acid Receptors NPR1 and NPR3/NPR4 in Transcriptional Regulation of Plant Immunity. <i>Cell</i> , 2018, 173, 1454-1467.e15.	28.9	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 <i>npr1-1</i> , constitutive 1. <i>Plant Cell</i> , 2003, 15, 2636-2646.	6.6	446
5	Knockout Analysis of Arabidopsis Transcription Factors TGA2, TGA5, and TGA6 Reveals Their Redundant and Essential Roles in Systemic Acquired Resistance. <i>Plant Cell</i> , 2003, 15, 2647-2653.	6.6	444
6	MEKK1, MKK1/MKK2 and MPK4 function together in a mitogen-activated protein kinase cascade to regulate innate immunity in plants. <i>Cell Research</i> , 2008, 18, 1190-1198.	12.0	382
7	Control of salicylic acid synthesis and systemic acquired resistance by two members of a plant-specific family of transcription factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18220-18225.	7.1	344
8	Salicylic acid: biosynthesis, perception, and contributions to plant immunity. <i>Current Opinion in Plant Biology</i> , 2019, 50, 29-36.	7.1	334
9	Regulation of Cell Death and Innate Immunity by Two Receptor-like Kinases in Arabidopsis. <i>Cell Host and Microbe</i> , 2009, 6, 34-44.	11.0	328
10	Disruption of PAMP-Induced MAP Kinase Cascade by a <i>Pseudomonas syringae</i> Effector Activates Plant Immunity Mediated by the NB-LRR Protein SUMM2. <i>Cell Host and Microbe</i> , 2012, 11, 253-263.	11.0	321
11	Isochorismate-derived biosynthesis of the plant stress hormone salicylic acid. <i>Science</i> , 2019, 365, 498-502.	12.6	273
12	Activation of an EDS1-Mediated R-Gene Pathway in the <i>snc1</i> Mutant Leads to Constitutive, NPR1-Independent Pathogen Resistance. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 1131-1139.	2.6	252
13	Convergent and Divergent Signaling in PAMP-Triggered Immunity and Effector-Triggered Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 403-409.	2.6	246
14	Identification and Cloning of a Negative Regulator of Systemic Acquired Resistance, SNI1, through a Screen for Suppressors of <i>npr1-1</i> . <i>Cell</i> , 1999, 98, 329-339.	28.9	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> . <i>Plant Cell</i> , 2012, 24, 2225-2236.	6.6	219
16	Arabidopsis heterotrimeric G proteins regulate immunity by directly coupling to the FLS2 receptor. <i>ELife</i> , 2016, 5, e13568.	6.0	217
17	Negative regulation of defense responses in Arabidopsis by two NPR1 paralogs. <i>Plant Journal</i> , 2006, 48, 647-656.	5.7	206
18	Stability of plant immune-receptor resistance proteins is controlled by SKP1-CULLIN1-F-box (SCF)-mediated protein degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14694-14699.	7.1	205

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19	Salicylic Acid: Biosynthesis and Signaling. Annual Review of Plant Biology, 2021, 72, 761-791.	18.7	193
20	ChIP-seq reveals broad roles of SARD1 and CBP60g in regulating plant immunity. Nature Communications, 2015, 6, 10159.	12.8	178
21	Activation of TIR signalling boosts pattern-triggered immunity. Nature, 2021, 598, 500-503.	27.8	176
22	NLRs in plants. Current Opinion in Immunology, 2015, 32, 114-121.	5.5	146
23	<sc>TGA</sc>1 and <sc>TGA</sc>4 regulate salicylic acid and pipecolic acid biosynthesis by modulating the expression of <i>SYSTEMIC ACQUIRED RESISTANCE DEFICIENT 1</i> (<i>SARD1</i>) and <i>CALMODULIN-BINDING PROTEIN 60g</i> (<i>CBP60g</i>). New Phytologist, 2018, 217, 344-354.	7.3	126
24	Characterization of a Pipecolic Acid Biosynthesis Pathway Required for Systemic Acquired Resistance. Plant Cell, 2016, 28, 2603-2615.	6.6	121
25	Activation of Plant Immune Responses by a Gain-of-Function Mutation in an Atypical Receptor-Like Kinase. Plant Physiology, 2010, 153, 1771-1779.	4.8	120
26	SRFR1 Negatively Regulates Plant NB-LRR Resistance Protein Accumulation to Prevent Autoimmunity. PLoS Pathogens, 2010, 6, e1001111.	4.7	112
27	MAP kinase signalling: interplays between plant PAMP- and effector-triggered immunity. Cellular and Molecular Life Sciences, 2018, 75, 2981-2989.	5.4	105
28	Antagonistic interactions between two <sc>MAP</sc> kinase cascades in plant development and immune signaling. EMBO Reports, 2018, 19, .	4.5	103
29	Two N-Terminal Acetyltransferases Antagonistically Regulate the Stability of a Nod-Like Receptor in Arabidopsis. Plant Cell, 2015, 27, 1547-1562.	6.6	102
30	Biosynthesis and Regulation of Salicylic Acid and N-Hydroxypipecolic Acid in Plant Immunity. Molecular Plant, 2020, 13, 31-41.	8.3	98
31	<i>Arabidopsis snc2-1D</i> Activates Receptor-Like Protein-Mediated Immunity Transduced through WRKY70. Plant Cell, 2010, 22, 3153-3163.	6.6	95
32	Mighty Dwarfs: Arabidopsis Autoimmune Mutants and Their Usages in Genetic Dissection of Plant Immunity. Frontiers in Plant Science, 2016, 7, 1717.	3.6	95
33	The <sc>NLR</sc> protein <sc>SUMM</sc> 2 senses the disruption of an immune signaling <sc>MAP</sc> kinase cascade via <sc>CRCK</sc> 3. EMBO Reports, 2017, 18, 292-302.	4.5	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.	8.3	88
35	Diverse Roles of the Salicylic Acid Receptors NPR1 and NPR3/NPR4 in Plant Immunity. Plant Cell, 2020, 32, 4002-4016.	6.6	87
36	Salicylic Acid: A Double-Edged Sword for Programed Cell Death in Plants. Frontiers in Plant Science, 2018, 9, 1133.	3.6	82

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37	Loss of function of <i>Arabidopsis</i> receptor-like kinase <i>BIR1</i> activates cell death and defense responses mediated by <i>BAK1</i> and <i>SOBIR1</i> . <i>New Phytologist</i> , 2016, 212, 637-645.	7.3	79
38	NLR-Associating Transcription Factor <i>bHLH84</i> and Its Paralogs Function Redundantly in Plant Immunity. <i>PLoS Pathogens</i> , 2014, 10, e1004312.	4.7	71
39	The glycosyltransferase <i>UGT76B1</i> modulates <i>N</i> -hydroxy-pipecolic acid homeostasis and plant immunity. <i>Plant Cell</i> , 2021, 33, 735-749.	6.6	71
40	E3 ligase <i>SAUL1</i> serves as a positive regulator of PAMP-triggered immunity and its homeostasis is monitored by immune receptor <i>SOC3</i> . <i>New Phytologist</i> , 2017, 215, 1516-1532.	7.3	69
41	Heterotrimeric G proteins interact with defense-related receptor-like kinases in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2015, 188, 44-48.	3.5	61
42	TIR signal promotes interactions between lipase-like proteins and <i>ADR1-L1</i> receptor and <i>ADR1-L1</i> oligomerization. <i>Plant Physiology</i> , 2021, 187, 681-686.	4.8	57
43	Brush and Spray: A High-Throughput Systemic Acquired Resistance Assay Suitable for Large-Scale Genetic Screening. <i>Plant Physiology</i> , 2011, 157, 973-980.	4.8	56
44	Splicing of Receptor-Like Kinase-Encoding <i>SNC4</i> and <i>CERK1</i> is Regulated by Two Conserved Splicing Factors that Are Required for Plant Immunity. <i>Molecular Plant</i> , 2014, 7, 1766-1775.	8.3	47
45	Identification of additional MAP kinases activated upon PAMP treatment. <i>Plant Signaling and Behavior</i> , 2014, 9, e976155.	2.4	46
46	Mutations in an Atypical TIR-NB-LRR-LIM Resistance Protein Confer Autoimmunity. <i>Frontiers in Plant Science</i> , 2011, 2, 71.	3.6	45
47	Two redundant receptor-like cytoplasmic kinases function downstream of pattern recognition receptors to regulate activation of SA biosynthesis in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2016, 171, pp.01954.2015.	4.8	44
48	Individual components of paired typical NLR immune receptors are regulated by distinct E3 ligases. <i>Nature Plants</i> , 2018, 4, 699-710.	9.3	43
49	TGAC-BINDING FACTORS (TGAs) and TGA-interacting C-type glutaredoxins modulate hyponastic growth in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2019, 221, 1906-1918.	7.3	43
50	Structural basis for <i>BIR1</i> -mediated negative regulation of plant immunity. <i>Cell Research</i> , 2017, 27, 1521-1524.	12.0	41
51	MAP kinase cascades in plant development and immune signaling. <i>EMBO Reports</i> , 2022, 23, e53817.	4.5	41
52	Plant E3 ligases <i>SNIPER1</i> and <i>SNIPER2</i> broadly regulate the homeostasis of sensor <i>NLR</i> immune receptors. <i>EMBO Journal</i> , 2020, 39, e104915.	7.8	38
53	Short- and long-distance signaling in plant defense. <i>Plant Journal</i> , 2021, 105, 505-517.	5.7	34
54	<i>MKK6</i> Functions in Two Parallel MAP Kinase Cascades in Immune Signaling. <i>Plant Physiology</i> , 2018, 178, 1284-1295.	4.8	33

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55	Arabidopsis CALMODULIN-BINDING PROTEIN 60b plays dual roles in plant immunity. <i>Plant Communications</i> , 2021, 2, 100213.	7.7	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> . <i>Plant Cell</i> , 2022, 34, 1621-1640.	6.6	22
57	Perception of Salicylic Acid in <i>Physcomitrella patens</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2145.	3.6	21
58	Engineering plant disease resistance against biotrophic pathogens. <i>Current Opinion in Plant Biology</i> , 2021, 60, 101987.	7.1	18
59	IBR5 Modulates Temperature-Dependent, R Protein CHS3-Mediated Defense Responses in Arabidopsis. <i>PLoS Genetics</i> , 2015, 11, e1005584.	3.5	17
60	MEKK2 inhibits activation of MAP kinases in Arabidopsis. <i>Plant Journal</i> , 2020, 103, 705-714.	5.7	16
61	WRKY54 and WRKY70 positively regulate <i>SARD1</i> and <i>CBP60g</i> expression in plant immunity. <i>Plant Signaling and Behavior</i> , 2021, 16, 1932142.	2.4	15
62	Negative regulation of resistance protein-mediated immunity by master transcription factors <i>SARD1</i> and <i>CBP60g</i> . <i>Journal of Integrative Plant Biology</i> , 2018, 60, 1023-1027.	8.5	14
63	The Emergence of a Mobile Signal for Systemic Acquired Resistance. <i>Plant Cell</i> , 2019, 31, 1414-1415.	6.6	14
64	Differential requirement of <i>BAK1</i> C-terminal tail in development and immunity. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 270-275.	8.5	12
65	ER Quality Control Components UGGT and STT3a Are Required for Activation of Defense Responses in <i>Bir1-1</i> . <i>PLoS ONE</i> , 2015, 10, e0120245.	2.5	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. <i>Plant Signaling and Behavior</i> , 2018, 13, e1526000.	2.4	11
68	Receptor-like kinases <i>MDS1</i> and <i>MDS2</i> promote <i>SUMM2</i> -mediated immunity. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 277-282.	8.5	10
69	Knockout of <i>SINPR1</i> enhances tomato plants resistance against <i>Botrytis cinerea</i> by modulating ROS homeostasis and JA / ET signaling pathways. <i>Physiologia Plantarum</i> , 2020, 170, 569-579.	5.2	9
70	Pectin Modification in Seed Coat Mucilage by <i>In Vivo</i> Expression of Rhamnogalacturonan-I- and Homogalacturonan-Degrading Enzymes. <i>Plant and Cell Physiology</i> , 2021, 62, 1912-1926.	3.1	8
71	Suppressor Screens in Arabidopsis. <i>Methods in Molecular Biology</i> , 2016, 1363, 1-8.	0.9	7
72	A structural view of salicylic acid perception. <i>Nature Plants</i> , 2020, 6, 1197-1198.	9.3	4

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73	High transformation efficiency in Arabidopsis using extremely low Agrobacterium inoculum. F1000Research, 0, 9, 356.	1.6	1
74	From blooms to brooms. Trends in Microbiology, 2022, 30, 3-5.	7.7	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.	3.9	0
76	High transformation efficiency in Arabidopsis using extremely low Agrobacterium inoculum. F1000Research, 0, 9, 356.	1.6	0