

Yuelin Zhang

List of Publications by Year in descending order

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76
papers

9,506
citations

61857

43
h-index

82410

72
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83
all docs

83
docs citations

83
times ranked

7175
citing authors

#	ARTICLE	IF	CITATIONS
1	From blooms to brooms. <i>Trends in Microbiology</i> , 2022, 30, 3-5.	3.5	1
2	MAP kinase cascades in plant development and immune signaling. <i>EMBO Reports</i> , 2022, 23, e53817.	2.0	41
3	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.	3.1	22
4	Receptor-like kinases MDS1 and MDS2 promote SUMM2-mediated immunity. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 277-282.	4.1	10
5	Short- and long-distance signaling in plant defense. <i>Plant Journal</i> , 2021, 105, 505-517.	2.8	34
6	Engineering plant disease resistance against biotrophic pathogens. <i>Current Opinion in Plant Biology</i> , 2021, 60, 101987.	3.5	18
7	Salicylic Acid: Biosynthesis and Signaling. <i>Annual Review of Plant Biology</i> , 2021, 72, 761-791.	8.6	193
8	Calcium channels at the center of nucleotide-binding leucine-rich repeat receptor-mediated plant immunity. <i>Journal of Genetics and Genomics</i> , 2021, 48, 429-432.	1.7	0
9	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.	1.5	8
10	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.	1.2	15
11	<i>Arabidopsis</i> CALMODULIN-BINDING PROTEIN 60b plays dual roles in plant immunity. <i>Plant Communications</i> , 2021, 2, 100213.	3.6	25
12	TIR signal promotes interactions between lipase-like proteins and ADR1-L1 receptor and ADR1-L1 oligomerization. <i>Plant Physiology</i> , 2021, 187, 681-686.	2.3	57
13	Activation of TIR signalling boosts pattern-triggered immunity. <i>Nature</i> , 2021, 598, 500-503.	13.7	176
14	The glycosyltransferase UGT76B1 modulates <i>N</i> -hydroxy-pipecolic acid homeostasis and plant immunity. <i>Plant Cell</i> , 2021, 33, 735-749.	3.1	71
15	Redundant CAMTA Transcription Factors Negatively Regulate the Biosynthesis of Salicylic Acid and N-Hydroxypipecolic Acid by Modulating the Expression of <i>SARD1</i> and <i>CBP60g</i> . <i>Molecular Plant</i> , 2020, 13, 144-156.	3.9	88
16	Biosynthesis and Regulation of Salicylic Acid and N-Hydroxypipecolic Acid in Plant Immunity. <i>Molecular Plant</i> , 2020, 13, 31-41.	3.9	98
17	Plant E3 ligases <i>SNIPER</i> 1 and <i>SNIPER</i> 2 broadly regulate the homeostasis of sensor <i>NLR</i> immune receptors. <i>EMBO Journal</i> , 2020, 39, e104915.	3.5	38
18	Diverse Roles of the Salicylic Acid Receptors <i>NPR1</i> and <i>NPR3/NPR4</i> in Plant Immunity. <i>Plant Cell</i> , 2020, 32, 4002-4016.	3.1	87

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19	A structural view of salicylic acid perception. <i>Nature Plants</i> , 2020, 6, 1197-1198.	4.7	4
20	Knockout of SINPR1 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.	2.6	9
21	MEKK2 inhibits activation of MAP kinases in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 103, 705-714.	2.8	16
22	Plant Immunity: Danger Perception and Signaling. <i>Cell</i> , 2020, 181, 978-989.	13.5	520
23	Isochorismate-derived biosynthesis of the plant stress hormone salicylic acid. <i>Science</i> , 2019, 365, 498-502.	6.0	273
24	The Emergence of a Mobile Signal for Systemic Acquired Resistance. <i>Plant Cell</i> , 2019, 31, 1414-1415.	3.1	14
25	Salicylic acid: biosynthesis, perception, and contributions to plant immunity. <i>Current Opinion in Plant Biology</i> , 2019, 50, 29-36.	3.5	334
26	TGACG- ϵ BINDING FACTORS (TGAs) and TGA-interacting C ϵ -type glutaredoxins modulate hyponastic growth in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2019, 221, 1906-1918.	3.5	43
27	Opposite Roles of Salicylic Acid Receptors NPR1 and NPR3/NPR4 in Transcriptional Regulation of Plant Immunity. <i>Cell</i> , 2018, 173, 1454-1467.e15.	13.5	510
28	ϵ BINDING FACTOR 1 (TGA1) and TGA4 regulate salicylic acid and pipecolic acid biosynthesis by modulating the expression of SYSTEMIC ACQUIRED RESISTANCE DEFICIENT 1 (<i>SARD1</i>) and CALMODULIN-BINDING PROTEIN 60g (<i>CBP60g</i>). <i>New Phytologist</i> , 2018, 217, 344-354.	3.5	126
29	Differential requirement of BAK1 C-terminal tail in development and immunity. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 270-275.	4.1	12
30	Convergent and Divergent Signaling in PAMP-Triggered Immunity and Effector-Triggered Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 403-409.	1.4	246
31	Mitogen-activated protein kinase kinase 6 negatively regulates anthocyanin induction in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2018, 13, e1526000.	1.2	11
32	MKK6 Functions in Two Parallel MAP Kinase Cascades in Immune Signaling. <i>Plant Physiology</i> , 2018, 178, 1284-1295.	2.3	33
33	Antagonistic interactions between two MAP kinase cascades in plant development and immune signaling. <i>EMBO Reports</i> , 2018, 19, .	2.0	103
34	MAP kinase signalling: interplays between plant PAMP- and effector-triggered immunity. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2981-2989.	2.4	105
35	Individual components of paired typical NLR immune receptors are regulated by distinct E3 ligases. <i>Nature Plants</i> , 2018, 4, 699-710.	4.7	43
36	Negative regulation of resistance protein-mediated immunity by master transcription factors SARD1 and CBP60g. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 1023-1027.	4.1	14

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37	Salicylic Acid: A Double-Edged Sword for Programed Cell Death in Plants. <i>Frontiers in Plant Science</i> , 2018, 9, 1133.	1.7	82
38	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. <i>EMBO Reports</i> , 2017, 18, 292-302.	2.0	89
39	E3 ligase SAUL1 serves as a positive regulator of PAMPâ€triggered immunity and its homeostasis is monitored by immune receptor SOC3. <i>New Phytologist</i> , 2017, 215, 1516-1532.	3.5	69
40	Structural basis for BIR1-mediated negative regulation of plant immunity. <i>Cell Research</i> , 2017, 27, 1521-1524.	5.7	41
41	Perception of Salicylic Acid in <i>Physcomitrella patens</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2145.	1.7	21
42	Mighty Dwarfs: Arabidopsis Autoimmune Mutants and Their Usages in Genetic Dissection of Plant Immunity. <i>Frontiers in Plant Science</i> , 2016, 7, 1717.	1.7	95
43	Two redundant receptor-like cytoplasmic kinases function downstream of pattern recognition receptors to regulate activation of SA biosynthesis in Arabidopsis. <i>Plant Physiology</i> , 2016, 171, pp.01954.2015.	2.3	44
44	Characterization of a Pipecolic Acid Biosynthesis Pathway Required for Systemic Acquired Resistance. <i>Plant Cell</i> , 2016, 28, 2603-2615.	3.1	121
45	Lossâ€ofâ€function of <i>Arabidopsis</i> receptorâ€like kinase <sc>BIR</sc> 1 activates cell death and defense responses mediated by <sc>BAK</sc> 1 and <sc>SOBIR</sc> 1. <i>New Phytologist</i> , 2016, 212, 637-645.	3.5	79
46	Suppressor Screens in Arabidopsis. <i>Methods in Molecular Biology</i> , 2016, 1363, 1-8.	0.4	7
47	Arabidopsis heterotrimeric G proteins regulate immunity by directly coupling to the FLS2 receptor. <i>ELife</i> , 2016, 5, e13568.	2.8	217
48	ChIP-seq reveals broad roles of SARD1 and CBP60g in regulating plant immunity. <i>Nature Communications</i> , 2015, 6, 10159.	5.8	178
49	IBR5 Modulates Temperature-Dependent, R Protein CHS3-Mediated Defense Responses in Arabidopsis. <i>PLoS Genetics</i> , 2015, 11, e1005584.	1.5	17
50	Two N-Terminal Acetyltransferases Antagonistically Regulate the Stability of a Nod-Like Receptor in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 1547-1562.	3.1	102
51	NLRs in plants. <i>Current Opinion in Immunology</i> , 2015, 32, 114-121.	2.4	146
52	Heterotrimeric G proteins interact with defense-related receptor-like kinases in Arabidopsis. <i>Journal of Plant Physiology</i> , 2015, 188, 44-48.	1.6	61
53	ER Quality Control Components UGGT and STT3a Are Required for Activation of Defense Responses in Bir1-1. <i>PLoS ONE</i> , 2015, 10, e0120245.	1.1	12
54	Identification of additional MAP kinases activated upon PAMP treatment. <i>Plant Signaling and Behavior</i> , 2014, 9, e976155.	1.2	46

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55	NLR-Associating Transcription Factor bHLH84 and Its Paralogs Function Redundantly in Plant Immunity. <i>PLoS Pathogens</i> , 2014, 10, e1004312.	2.1	71
56	Splicing of Receptor-Like Kinase-Encoding SNC4 and CERK1 is Regulated by Two Conserved Splicing Factors that Are Required for Plant Immunity. <i>Molecular Plant</i> , 2014, 7, 1766-1775.	3.9	47
57	The MEK1-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.	3.1	219
58	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.	5.1	321
59	Mutations in an Atypical TIR-NB-LRR-LIM Resistance Protein Confer Autoimmunity. <i>Frontiers in Plant Science</i> , 2011, 2, 71.	1.7	45
60	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.	3.3	205
61	Brush and Spray: A High-Throughput Systemic Acquired Resistance Assay Suitable for Large-Scale Genetic Screening. <i>Plant Physiology</i> , 2011, 157, 973-980.	2.3	56
62	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.	3.3	344
63	<i>Arabidopsis snc2-1D</i> Activates Receptor-Like Protein-Mediated Immunity Transduced through WRKY70. <i>Plant Cell</i> , 2010, 22, 3153-3163.	3.1	95
64	SRFR1 Negatively Regulates Plant NB-LRR Resistance Protein Accumulation to Prevent Autoimmunity. <i>PLoS Pathogens</i> , 2010, 6, e1001111.	2.1	112
65	Activation of Plant Immune Responses by a Gain-of-Function Mutation in an Atypical Receptor-Like Kinase. <i>Plant Physiology</i> , 2010, 153, 1771-1779.	2.3	120
66	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.	5.1	713
67	Regulation of Cell Death and Innate Immunity by Two Receptor-like Kinases in <i>Arabidopsis</i> . <i>Cell Host and Microbe</i> , 2009, 6, 34-44.	5.1	328
68	MEK1, 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.	5.7	382
69	Identification of Components in Disease-Resistance Signaling in <i>Arabidopsis</i> by Map-Based Cloning. <i>Plant Cell</i> , 2007, 19, 354, 69-78.		11
70	Negative regulation of defense responses in <i>Arabidopsis</i> by two NPR1 paralogs. <i>Plant Journal</i> , 2006, 48, 647-656.	2.8	206
71	Knockout Analysis of <i>Arabidopsis</i> Transcription Factors TGA2, TGA5, and TGA6 Reveals Their Redundant and Essential Roles in Systemic Acquired Resistance. <i>Plant Cell</i> , 2003, 15, 2647-2653.	3.1	444
72	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. <i>Plant Cell</i> , 2003, 15, 2636-2646.	3.1	446

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73	Activation of an EDS1-Mediated R-Gene Pathway in the snc1 Mutant Leads to Constitutive, NPR1-Independent Pathogen Resistance. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 1131-1139.	1.4	252
74	Identification and Cloning of a Negative Regulator of Systemic Acquired Resistance, SNI1, through a Screen for Suppressors of npr1-1. <i>Cell</i> , 1999, 98, 329-339.	13.5	240
75	High transformation efficiency in Arabidopsis using extremely low Agrobacterium inoculum. <i>F1000Research</i> , 0, 9, 356.	0.8	1
76	High transformation efficiency in Arabidopsis using extremely low Agrobacterium inoculum. <i>F1000Research</i> , 0, 9, 356.	0.8	0