

Hailing Jin

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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.

100
papers

10,701
citations

51
h-index

103
g-index

108
ext. papers

13,166
ext. citations

10
avg, IF

6.29
L-index

#	Paper	IF	Citations
100	Fungal small RNAs suppress plant immunity by hijacking host RNA interference pathways. <i>Science</i> , 2013 , 342, 118-23	33.3	703
99	The Arabidopsis NFYA5 transcription factor is regulated transcriptionally and posttranscriptionally to promote drought resistance. <i>Plant Cell</i> , 2008 , 20, 2238-51	11.6	660
98	Transcriptional repression by AtMYB4 controls production of UV-protecting sunscreens in Arabidopsis. <i>EMBO Journal</i> , 2000 , 19, 6150-61	13	646
97	Multifunctionality and diversity within the plant MYB-gene family. <i>Plant Molecular Biology</i> , 1999 , 41, 577-85	4.6	475
96	Towards functional characterisation of the members of the R2R3-MYB gene family from Arabidopsis thaliana. <i>Plant Journal</i> , 1998 , 16, 263-76	6.9	467
95	Plants send small RNAs in extracellular vesicles to fungal pathogen to silence virulence genes. <i>Science</i> , 2018 , 360, 1126-1129	33.3	413
94	A pathogen-inducible endogenous siRNA in plant immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18002-7	11.5	400
93	Bidirectional cross-kingdom RNAi and fungal uptake of external RNAs confer plant protection. <i>Nature Plants</i> , 2016 , 2, 16151	11.5	345
92	Arabidopsis Argonaute 2 regulates innate immunity via miRNA393(*)-mediated silencing of a Golgi-localized SNARE gene, MEMB12. <i>Molecular Cell</i> , 2011 , 42, 356-66	17.6	301
91	Role of small RNAs in host-microbe interactions. <i>Annual Review of Phytopathology</i> , 2010 , 48, 225-46	10.8	272
90	The plant growth-promoting rhizobacterium <i>Bacillus cereus</i> AR156 induces systemic resistance in Arabidopsis thaliana by simultaneously activating salicylate- and jasmonate/ethylene-dependent signaling pathways. <i>Molecular Plant-Microbe Interactions</i> , 2011 , 24, 533-42	3.6	263
89	A novel class of bacteria-induced small RNAs in Arabidopsis. <i>Genes and Development</i> , 2007 , 21, 3123-34	12.6	256
88	VPEgamma exhibits a caspase-like activity that contributes to defense against pathogens. <i>Current Biology</i> , 2004 , 14, 1897-906	6.3	216
87	A combinatorial interplay among the 1-aminocyclopropane-1-carboxylate isoforms regulates ethylene biosynthesis in Arabidopsis thaliana. <i>Genetics</i> , 2009 , 183, 979-1003	4	208
86	An RNA polymerase II- and AGO4-associated protein acts in RNA-directed DNA methylation. <i>Nature</i> , 2010 , 465, 106-9	50.4	198
85	Bacteria-responsive microRNAs regulate plant innate immunity by modulating plant hormone networks. <i>Plant Molecular Biology</i> , 2011 , 75, 93-105	4.6	197
84	An effector of RNA-directed DNA methylation in Arabidopsis is an ARGONAUTE 4- and RNA-binding protein. <i>Cell</i> , 2009 , 137, 498-508	56.2	189

83	Control of cell and petal morphogenesis by R2R3 MYB transcription factors. <i>Development (Cambridge)</i> , 2007 , 134, 1691-701	6.6	181
82	NPK1, an MEKK1-like mitogen-activated protein kinase kinase kinase, regulates innate immunity and development in plants. <i>Developmental Cell</i> , 2002 , 3, 291-7	10.2	179
81	Virus-induced gene silencing in Solanum species. <i>Plant Journal</i> , 2004 , 39, 264-72	6.9	175
80	Comparative analyses of potato expressed sequence tag libraries. <i>Plant Physiology</i> , 2003 , 131, 419-29	6.6	162
79	Function of a mitogen-activated protein kinase pathway in N gene-mediated resistance in tobacco. <i>Plant Journal</i> , 2003 , 33, 719-31	6.9	158
78	Host small RNAs are big contributors to plant innate immunity. <i>Current Opinion in Plant Biology</i> , 2009 , 12, 465-72	9.9	144
77	Transcriptional regulation of Arabidopsis MIR168a and argonaute1 homeostasis in abscisic acid and abiotic stress responses. <i>Plant Physiology</i> , 2012 , 158, 1279-92	6.6	143
76	Function search in a large transcription factor gene family in Arabidopsis: assessing the potential of reverse genetics to identify insertional mutations in R2R3 MYB genes. <i>Plant Cell</i> , 1999 , 11, 1827-40	11.6	139
75	siRNAs from miRNA sites mediate DNA methylation of target genes. <i>Nucleic Acids Research</i> , 2010 , 38, 6883-94	20.1	137
74	Hypoxia-responsive miRNAs target argonaute 1 to promote angiogenesis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1057-67	15.9	134
73	Small RNAs: a new paradigm in plant-microbe interactions. <i>Annual Review of Phytopathology</i> , 2014 , 52, 495-516	10.8	133
72	High throughput sequencing reveals novel and abiotic stress-regulated microRNAs in the inflorescences of rice. <i>BMC Plant Biology</i> , 2012 , 12, 132	5.3	130
71	Small RNAs - Big Players in Plant-Microbe Interactions. <i>Cell Host and Microbe</i> , 2019 , 26, 173-182	23.4	109
70	Multiple distinct small RNAs originate from the same microRNA precursors. <i>Genome Biology</i> , 2010 , 11, R81	18.3	105
69	Small RNAs and the regulation of cis-natural antisense transcripts in Arabidopsis. <i>BMC Molecular Biology</i> , 2008 , 9, 6	4.5	105
68	Genome-wide analysis of plant nat-siRNAs reveals insights into their distribution, biogenesis and function. <i>Genome Biology</i> , 2012 , 13, R20	18.3	101
67	Spray-Induced Gene Silencing: a Powerful Innovative Strategy for Crop Protection. <i>Trends in Microbiology</i> , 2017 , 25, 4-6	12.4	99
66	Contribution of small RNA pathway components in plant immunity. <i>Molecular Plant-Microbe Interactions</i> , 2013 , 26, 617-25	3.6	98

65	Conversations between kingdoms: small RNAs. <i>Current Opinion in Biotechnology</i> , 2015 , 32, 207-215	11.4	98
64	Genome-wide identification and analysis of small RNAs originated from natural antisense transcripts in <i>Oryza sativa</i> . <i>Genome Research</i> , 2009 , 19, 70-8	9.7	95
63	Small RNAs--the secret agents in the plant-pathogen interactions. <i>Current Opinion in Plant Biology</i> , 2015 , 26, 87-94	9.9	94
62	Threats Posed by the Fungal Kingdom to Humans, Wildlife, and Agriculture. <i>MBio</i> , 2020 , 11,	7.8	94
61	Cross-kingdom RNA trafficking and environmental RNAi-nature's blueprint for modern crop protection strategies. <i>Current Opinion in Microbiology</i> , 2018 , 46, 58-64	7.9	94
60	Botrytis small RNA Bc-siR37 suppresses plant defense genes by cross-kingdom RNAi. <i>RNA Biology</i> , 2017 , 14, 421-428	4.8	92
59	Interaction between two mitogen-activated protein kinases during tobacco defense signaling. <i>Plant Journal</i> , 2003 , 34, 149-60	6.9	92
58	Endogenous small RNAs and antibacterial immunity in plants. <i>FEBS Letters</i> , 2008 , 582, 2679-84	3.8	91
57	Small RNA profiling reveals phosphorus deficiency as a contributing factor in symptom expression for citrus Huanglongbing disease. <i>Molecular Plant</i> , 2013 , 6, 301-10	14.4	82
56	Cross-kingdom RNA trafficking and environmental RNAi for powerful innovative pre- and post-harvest plant protection. <i>Current Opinion in Plant Biology</i> , 2017 , 38, 133-141	9.9	70
55	Induces the Expression of a MicroRNA to Suppress the Immune Response in Rice. <i>Plant Physiology</i> , 2018 , 177, 352-368	6.6	66
54	Stand-alone rolling circle amplification combined with capillary electrophoresis for specific detection of small RNA. <i>Analytical Chemistry</i> , 2009 , 81, 4906-13	7.8	61
53	Osa-miR164a targets OsNAC60 and negatively regulates rice immunity against the blast fungus <i>Magnaporthe oryzae</i> . <i>Plant Journal</i> , 2018 , 95, 584	6.9	61
52	The mechanics of cell fate determination in petals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002 , 357, 809-13	5.8	60
51	Small RNAs and extracellular vesicles: New mechanisms of cross-species communication and innovative tools for disease control. <i>PLoS Pathogens</i> , 2019 , 15, e1008090	7.6	58
50	Down-regulation of the 26S proteasome subunit RPN9 inhibits viral systemic transport and alters plant vascular development. <i>Plant Physiology</i> , 2006 , 142, 651-61	6.6	52
49	ARGONAUTE PIWI domain and microRNA duplex structure regulate small RNA sorting in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2014 , 5, 5468	17.4	49
48	Detection of pleiotropy through a Phenome-wide association study (PheWAS) of epidemiologic data as part of the Environmental Architecture for Genes Linked to Environment (EAGLE) study. <i>PLoS Genetics</i> , 2014 , 10, e1004678	6	47

47	MODIFIED VACUOLE PHENOTYPE1 is an Arabidopsis myrosinase-associated protein involved in endomembrane protein trafficking. <i>Plant Physiology</i> , 2010 , 152, 120-32	6.6	45
46	miRNA863-3p sequentially targets negative immune regulator ARLPKs and positive regulator SERRATE upon bacterial infection. <i>Nature Communications</i> , 2016 , 7, 11324	17.4	43
45	Next-generation sequencing of paired tyrosine kinase inhibitor-sensitive and -resistant EGFR mutant lung cancer cell lines identifies spectrum of DNA changes associated with drug resistance. <i>Genome Research</i> , 2013 , 23, 1434-45	9.7	41
44	Mechanisms of small RNA generation from cis-NATs in response to environmental and developmental cues. <i>Molecular Plant</i> , 2013 , 6, 704-15	14.4	40
43	Bioinformatics analysis suggests base modifications of tRNAs and miRNAs in Arabidopsis thaliana. <i>BMC Genomics</i> , 2009 , 10, 155	4.5	36
42	RNA-binding proteins contribute to small RNA loading in plant extracellular vesicles. <i>Nature Plants</i> , 2021 , 7, 342-352	11.5	36
41	Spray-induced gene silencing for disease control is dependent on the efficiency of pathogen RNA uptake. <i>Plant Biotechnology Journal</i> , 2021 , 19, 1756-1768	11.6	35
40	Bacillus cereus AR156 primes induced systemic resistance by suppressing miR825/825* and activating defense-related genes in Arabidopsis. <i>Journal of Integrative Plant Biology</i> , 2016 , 58, 426-39	8.3	34
39	Pathogen small RNAs: a new class of effectors for pathogen attacks. <i>Molecular Plant Pathology</i> , 2015 , 16, 219-23	5.7	32
38	A viral suppressor protein inhibits host RNA silencing by hooking up with Argonautes. <i>Genes and Development</i> , 2010 , 24, 853-6	12.6	30
37	Optimizing the sequence of anti-EGFR-targeted therapy in EGFR-mutant lung cancer. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 542-52	6.1	26
36	A safe ride in extracellular vesicles - small RNA trafficking between plant hosts and pathogens. <i>Current Opinion in Plant Biology</i> , 2019 , 52, 140-148	9.9	26
35	Discovery of pathogen-regulated small RNAs in plants. <i>Methods in Enzymology</i> , 2007 , 427, 215-27	1.7	25
34	Inconsistency and features of single nucleotide variants detected in whole exome sequencing versus transcriptome sequencing: A case study in lung cancer. <i>Methods</i> , 2015 , 83, 118-27	4.6	22
33	Message in a Bubble: Shuttling Small RNAs and Proteins Between Cells and Interacting Organisms Using Extracellular Vesicles. <i>Annual Review of Plant Biology</i> , 2021 , 72, 497-524	30.7	20
32	A stable antimicrobial peptide with dual functions of treating and preventing citrus Huanglongbing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	20
31	Discovery of plant microRNAs and short-interfering RNAs by deep parallel sequencing. <i>Methods in Molecular Biology</i> , 2009 , 495, 121-32	1.4	18
30	Bacillus cereus AR156 triggers induced systemic resistance against Pseudomonas syringae pv. tomato DC3000 by suppressing miR472 and activating CNLs-mediated basal immunity in Arabidopsis. <i>Molecular Plant Pathology</i> , 2020 , 21, 854-870	5.7	14

29	Rice siR109944 suppresses plant immunity to sheath blight and impacts multiple agronomic traits by affecting auxin homeostasis. <i>Plant Journal</i> , 2020 , 102, 948-964	6.9	13
28	Arabidopsis TAF15b Localizes to RNA Processing Bodies and Contributes to snc1-Mediated Autoimmunity. <i>Molecular Plant-Microbe Interactions</i> , 2016 , 29, 247-57	3.6	13
27	Chapter Eight Mechanisms and applications of transcriptional control of phenylpropanoid metabolism. <i>Recent Advances in Phytochemistry</i> , 2001 , 155-169		13
26	Highlights of the mini-symposium on extracellular vesicles in inter-organismal communication, held in Munich, Germany, August 2018. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1590116	16.4	12
25	How many ways are there to generate small RNAs?. <i>Molecular Cell</i> , 2010 , 38, 775-7	17.6	12
24	Serum vitamins A and E as modifiers of lipid trait genetics in the National Health and Nutrition Examination Surveys as part of the Population Architecture using Genomics and Epidemiology (PAGE) study. <i>Human Genetics</i> , 2012 , 131, 1699-708	6.3	10
23	Dual regulation of Arabidopsis AGO2 by arginine methylation. <i>Nature Communications</i> , 2019 , 10, 844	17.4	10
22	RNAs - a new frontier in crop protection. <i>Current Opinion in Biotechnology</i> , 2021 , 70, 204-212	11.4	10
21	Internalization of miPEP165a into Roots Depends on Both Passive Diffusion and Endocytosis-Associated Processes. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
20	Silencing of AtRAP, a target gene of a bacteria-induced small RNA, triggers antibacterial defense responses through activation of LSU2 and down-regulation of GLK1. <i>New Phytologist</i> , 2017 , 215, 1144-1155	9.8	9
19	The chromatin-remodeling protein BAF60/SWP73A regulates the plant immune receptor NLRs. <i>Cell Host and Microbe</i> , 2021 , 29, 425-434.e4	23.4	7
18	Identification of citrus immune regulators involved in defence against Huanglongbing using a new functional screening system. <i>Plant Biotechnology Journal</i> , 2021 , 19, 757-766	11.6	6
17	Isolation and profiling of protein-associated small RNAs. <i>Methods in Molecular Biology</i> , 2012 , 883, 165-76	11.4	5
16	Phytobacterial type III effectors HopX1, HopAB1 and HopF2 enhance sense-post-transcriptional gene silencing independently of plant R gene-effector recognition. <i>Molecular Plant-Microbe Interactions</i> , 2011 , 24, 907-17	3.6	5
15	Plant extracellular vesicles: Trojan horses of cross-kingdom warfare. <i>FASEB BioAdvances</i> , 2021 , 3, 657-664	11.8	5
14	Effective methods for isolation and purification of extracellular vesicles from plants. <i>Journal of Integrative Plant Biology</i> , 2021 , 63, 2020	8.3	4
13	Spray-induced gene silencing for disease control is dependent on the efficiency of pathogen RNA uptake		3
12	Function Search in a Large Transcription Factor Gene Family in Arabidopsis: Assessing the Potential of Reverse Genetics to Identify Insertional Mutations in R2R3 MYB Genes. <i>Plant Cell</i> , 1999 , 11, 1827	11.6	2

11	The small RNA-mediated gene silencing machinery is required in Arabidopsis for stimulation of growth, systemic disease resistance, and suppression of the nitrile-specifier gene NSP4 by <i>Trichoderma atroviride</i> . <i>Plant Journal</i> , 2021 ,	6.9	2
10	Coordinated Epigenetic Regulation in Plants: A Potent Managerial Tool to Conquer Biotic Stress.. <i>Frontiers in Plant Science</i> , 2021 , 12, 795274	6.2	2
9	Small RNA Extraction and Quantification of Isolated Fungal Cells from Plant Tissue by the Sequential Protoplastation. <i>Methods in Molecular Biology</i> , 2021 , 2170, 219-229	1.4	2
8	Isolation of Extracellular Vesicles from Arabidopsis.. <i>Current Protocols</i> , 2022 , 2, e352		1
7	Abstract B10: Acquired resistance to afatinib plus cetuximab in EGFR-mutant lung adenocarcinoma may be mediated by EGFR overexpression and overcome by the mutant-specific EGFR inhibitor, AZD9291.. <i>Clinical Cancer Research</i> , 2014 , 20, B10-B10	12.9	1
6	Host Small RNAs and Plant Innate Immunity 2011 , 21-34		0
5	Synthesizing Fluorescently Labeled dsRNAs and sRNAs to Visualize Fungal RNA Uptake. <i>Methods in Molecular Biology</i> , 2020 , 2166, 215-225	1.4	0
4	Expression of rice siR109944 in affects plant immunity to multiple fungal pathogens. <i>Plant Signaling and Behavior</i> , 2020 , 15, 1744347	2.5	
3	Purification and Analysis of Chloroplast RNAs in Arabidopsis. <i>Methods in Molecular Biology</i> , 2021 , 2170, 133-141	1.4	
2	Deep Sequencing and Bioinformatics Analysis of Endothelial MicroRNA under Hypoxia Stress. <i>FASEB Journal</i> , 2010 , 24, 784.10	0.9	
1	Forward chemical screening of small RNA pathways. <i>Methods in Molecular Biology</i> , 2014 , 1056, 95-101	1.4	