Hailing Jin

List of Publications by Year in Descending Order

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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	Isolation of Extracellular Vesicles from Arabidopsis.. *Current Protocols*, **2022**, 2, e352		1
99	Effective methods for isolation and purification of extracellular vesicles from plants. *Journal of Integrative Plant Biology*, **2021**, 63, 2020	8.3	4
98	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 Trichoderma atroviride. *Plant Journal*, **2021**,	6.9	2
97	Coordinated Epigenetic Regulation in Plants: A Potent Managerial Tool to Conquer Biotic Stress.. *Frontiers in Plant Science*, **2021**, 12, 795274	6.2	2
96	Purification and Analysis of Chloroplast RNAs in Arabidopsis. *Methods in Molecular Biology*, **2021**, 2170, 133-141	1.4	
95	The chromatin-remodeling protein BAF60/SWP73A regulates the plant immune receptor NLRs. *Cell Host and Microbe*, **2021**, 29, 425-434.e4	23.4	7
94	Spray-induced gene silencing for disease control is dependent on the efficiency of pathogen RNA uptake. *Plant Biotechnology Journal*, **2021**, 19, 1756-1768	11.6	35
93	Plant extracellular vesicles: Trojan horses of cross-kingdom warfare. *FASEB BioAdvances*, **2021**, 3, 657-664	4.8	5
92	Message in a Bubble: Shuttling Small RNAs and Proteins Between Cells and Interacting Organisms Using Extracellular Vesicles. *Annual Review of Plant Biology*, **2021**, 72, 497-524	30.7	20
91	Identification of citrus immune regulators involved in defence against Huanglongbing using a new functional screening system. *Plant Biotechnology Journal*, **2021**, 19, 757-766	11.6	6
90	A stable antimicrobial peptide with dual functions of treating and preventing citrus Huanglongbing. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	20
89	RNA-binding proteins contribute to small RNA loading in plant extracellular vesicles. *Nature Plants*, **2021**, 7, 342-352	11.5	36
88	RNAs - a new frontier in crop protection. *Current Opinion in Biotechnology*, **2021**, 70, 204-212	11.4	10
87	Small RNA Extraction and Quantification of Isolated Fungal Cells from Plant Tissue by the Sequential Protoplastation. *Methods in Molecular Biology*, **2021**, 2170, 219-229	1.4	2
86	Threats Posed by the Fungal Kingdom to Humans, Wildlife, and Agriculture. *MBio*, **2020**, 11,	7.8	94
85	Expression of rice siR109944 in affects plant immunity to multiple fungal pathogens. *Plant Signaling and Behavior*, **2020**, 15, 1744347	2.5	
84	Rice siR109944 suppresses plant immunity to sheath blight and impacts multiple agronomic traits by affecting auxin homeostasis. *Plant Journal*, **2020**, 102, 948-964	6.9	13

83	Internalization of miPEP165a into Roots Depends on Both Passive Diffusion and Endocytosis-Associated Processes. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
82	Synthesizing Fluorescently Labeled dsRNAs and sRNAs to Visualize Fungal RNA Uptake. *Methods in Molecular Biology*, **2020**, 2166, 215-225	1.4	0
81	Bacillus cereus AR156 triggers induced systemic resistance against Pseudomonas syringae pv. tomato DC3000 by suppressing miR472 and activating CNLs-mediated basal immunity in Arabidopsis. *Molecular Plant Pathology*, **2020**, 21, 854-870	5.7	14
80	Highlights of the mini-symposium on extracellular vesicles in inter-organismal communication, held in Munich, Germany, August 2018. *Journal of Extracellular Vesicles*, **2019**, 8, 1590116	16.4	12
79	Small RNAs - Big Players in Plant-Microbe Interactions. *Cell Host and Microbe*, **2019**, 26, 173-182	23.4	109
78	A safe ride in extracellular vesicles - small RNA trafficking between plant hosts and pathogens. *Current Opinion in Plant Biology*, **2019**, 52, 140-148	9.9	26
77	Dual regulation of Arabidopsis AGO2 by arginine methylation. *Nature Communications*, **2019**, 10, 844	17.4	10
76	Small RNAs and extracellular vesicles: New mechanisms of cross-species communication and innovative tools for disease control. *PLoS Pathogens*, **2019**, 15, e1008090	7.6	58
75	Induces the Expression of a MicroRNA to Suppress the Immune Response in Rice. *Plant Physiology*, **2018**, 177, 352-368	6.6	66
74	Cross-kingdom RNA trafficking and environmental RNAi-nature's blueprint for modern crop protection strategies. *Current Opinion in Microbiology*, **2018**, 46, 58-64	7.9	94
73	Plants send small RNAs in extracellular vesicles to fungal pathogen to silence virulence genes. *Science*, **2018**, 360, 1126-1129	33.3	413
72	Osa-miR164a targets OsNAC60 and negatively regulates rice immunity against the blast fungus Magnaporthe oryzae. *Plant Journal*, **2018**, 95, 584	6.9	61
71	Botrytis small RNA Bc-siR37 suppresses plant defense genes by cross-kingdom RNAi. *RNA Biology*, **2017**, 14, 421-428	4.8	92
70	Spray-Induced Gene Silencing: a Powerful Innovative Strategy for Crop Protection. *Trends in Microbiology*, **2017**, 25, 4-6	12.4	99
69	Cross-kingdom RNA trafficking and environmental RNAi for powerful innovative pre- and post-harvest plant protection. *Current Opinion in Plant Biology*, **2017**, 38, 133-141	9.9	70
68	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. *New Phytologist*, **2017**, 215, 1144-1155	8.8	9
67	Arabidopsis TAF15b Localizes to RNA Processing Bodies and Contributes to snc1-Mediated Autoimmunity. *Molecular Plant-Microbe Interactions*, **2016**, 29, 247-57	3.6	13
66	miRNA863-3p sequentially targets negative immune regulator ARLPKs and positive regulator SERRATE upon bacterial infection. *Nature Communications*, **2016**, 7, 11324	17.4	43

65	Bidirectional cross-kingdom RNAi and fungal uptake of external RNAs confer plant protection. *Nature Plants*, **2016**, 2, 16151	11.5	345
64	Bacillus cereus AR156 primes induced systemic resistance by suppressing miR825/825* and activating defense-related genes in Arabidopsis. *Journal of Integrative Plant Biology*, **2016**, 58, 426-39	8.3	34
63	Small RNAs--the secret agents in the plant-pathogen interactions. *Current Opinion in Plant Biology*, **2015**, 26, 87-94	9.9	94
62	Inconsistency and features of single nucleotide variants detected in whole exome sequencing versus transcriptome sequencing: A case study in lung cancer. *Methods*, **2015**, 83, 118-27	4.6	22
61	Pathogen small RNAs: a new class of effectors for pathogen attacks. *Molecular Plant Pathology*, **2015**, 16, 219-23	5.7	32
60	Optimizing the sequence of anti-EGFR-targeted therapy in EGFR-mutant lung cancer. *Molecular Cancer Therapeutics*, **2015**, 14, 542-52	6.1	26
59	Conversations between kingdoms: small RNAs. *Current Opinion in Biotechnology*, **2015**, 32, 207-215	11.4	98
58	ARGONAUTE PIWI domain and microRNA duplex structure regulate small RNA sorting in Arabidopsis. *Nature Communications*, **2014**, 5, 5468	17.4	49
57	Small RNAs: a new paradigm in plant-microbe interactions. *Annual Review of Phytopathology*, **2014**, 52, 495-516	10.8	133
56	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. *PLoS Genetics*, **2014**, 10, e1004678	6	47
55	Forward chemical screening of small RNA pathways. *Methods in Molecular Biology*, **2014**, 1056, 95-101	1.4	
54	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.. *Clinical Cancer Research*, **2014**, 20, B10-B10	12.9	1
53	Fungal small RNAs suppress plant immunity by hijacking host RNA interference pathways. *Science*, **2013**, 342, 118-23	33.3	703
52	Contribution of small RNA pathway components in plant immunity. *Molecular Plant-Microbe Interactions*, **2013**, 26, 617-25	3.6	98
51	Small RNA profiling reveals phosphorus deficiency as a contributing factor in symptom expression for citrus huanglongbing disease. *Molecular Plant*, **2013**, 6, 301-10	14.4	82
50	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. *Genome Research*, **2013**, 23, 1434-45	9.7	41
49	Mechanisms of small RNA generation from cis-NATs in response to environmental and developmental cues. *Molecular Plant*, **2013**, 6, 704-15	14.4	40
48	Hypoxia-responsive miRNAs target argonaute 1 to promote angiogenesis. *Journal of Clinical Investigation*, **2013**, 123, 1057-67	15.9	134

47	Genome-wide analysis of plant nat-siRNAs reveals insights into their distribution, biogenesis and function. *Genome Biology*, **2012**, 13, R20	18.3	101
46	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. *Human Genetics*, **2012**, 131, 1699-708	6.3	10
45	Isolation and profiling of protein-associated small RNAs. *Methods in Molecular Biology*, **2012**, 883, 165-76	1.4	5
44	High throughput sequencing reveals novel and abiotic stress-regulated microRNAs in the inflorescences of rice. *BMC Plant Biology*, **2012**, 12, 132	5.3	130
43	Transcriptional regulation of Arabidopsis MIR168a and argonaute1 homeostasis in abscisic acid and abiotic stress responses. *Plant Physiology*, **2012**, 158, 1279-92	6.6	143
42	Host Small RNAs and Plant Innate Immunity **2011**, 21-34		0
41	Arabidopsis Argonaute 2 regulates innate immunity via miRNA393(*)-mediated silencing of a Golgi-localized SNARE gene, MEMB12. *Molecular Cell*, **2011**, 42, 356-66	17.6	301
40	Phytobacterial type III effectors HopX1, HopAB1 and HopF2 enhance sense-post-transcriptional gene silencing independently of plant R gene-effector recognition. *Molecular Plant-Microbe Interactions*, **2011**, 24, 907-17	3.6	5
39	Bacteria-responsive microRNAs regulate plant innate immunity by modulating plant hormone networks. *Plant Molecular Biology*, **2011**, 75, 93-105	4.6	197
38	The plant growth-promoting rhizobacterium Bacillus cereus AR156 induces systemic resistance in Arabidopsis thaliana by simultaneously activating salicylate- and jasmonate/ethylene-dependent signaling pathways. *Molecular Plant-Microbe Interactions*, **2011**, 24, 533-42	3.6	263
37	An RNA polymerase II- and AGO4-associated protein acts in RNA-directed DNA methylation. *Nature*, **2010**, 465, 106-9	50.4	198
36	siRNAs from miRNA sites mediate DNA methylation of target genes. *Nucleic Acids Research*, **2010**, 38, 6883-94	20.1	137
35	How many ways are there to generate small RNAs?. *Molecular Cell*, **2010**, 38, 775-7	17.6	12
34	Role of small RNAs in host-microbe interactions. *Annual Review of Phytopathology*, **2010**, 48, 225-46	10.8	272
33	Multiple distinct small RNAs originate from the same microRNA precursors. *Genome Biology*, **2010**, 11, R81	18.3	105
32	A viral suppressor protein inhibits host RNA silencing by hooking up with Argonautes. *Genes and Development*, **2010**, 24, 853-6	12.6	30
31	MODIFIED VACUOLE PHENOTYPE1 is an Arabidopsis myrosinase-associated protein involved in endomembrane protein trafficking. *Plant Physiology*, **2010**, 152, 120-32	6.6	45
30	Deep Sequencing and Bioinformatics Analysis of Endothelial MicroRNA under Hypoxia Stress. *FASEB Journal*, **2010**, 24, 784.10	0.9	

29	A combinatorial interplay among the 1-aminocyclopropane-1-carboxylate isoforms regulates ethylene biosynthesis in Arabidopsis thaliana. *Genetics*, **2009**, 183, 979-1003	4	208
28	Host small RNAs are big contributors to plant innate immunity. *Current Opinion in Plant Biology*, **2009**, 12, 465-72	9.9	144
27	Bioinformatics analysis suggests base modifications of tRNAs and miRNAs in Arabidopsis thaliana. *BMC Genomics*, **2009**, 10, 155	4.5	36
26	Stand-alone rolling circle amplification combined with capillary electrophoresis for specific detection of small RNA. *Analytical Chemistry*, **2009**, 81, 4906-13	7.8	61
25	An effector of RNA-directed DNA methylation in arabidopsis is an ARGONAUTE 4- and RNA-binding protein. *Cell*, **2009**, 137, 498-508	56.2	189
24	Genome-wide identification and analysis of small RNAs originated from natural antisense transcripts in Oryza sativa. *Genome Research*, **2009**, 19, 70-8	9.7	95
23	Discovery of plant microRNAs and short-interfering RNAs by deep parallel sequencing. *Methods in Molecular Biology*, **2009**, 495, 121-32	1.4	18
22	Endogenous small RNAs and antibacterial immunity in plants. *FEBS Letters*, **2008**, 582, 2679-84	3.8	91
21	The Arabidopsis NFYA5 transcription factor is regulated transcriptionally and posttranscriptionally to promote drought resistance. *Plant Cell*, **2008**, 20, 2238-51	11.6	660
20	Small RNAs and the regulation of cis-natural antisense transcripts in Arabidopsis. *BMC Molecular Biology*, **2008**, 9, 6	4.5	105
19	A novel class of bacteria-induced small RNAs in Arabidopsis. *Genes and Development*, **2007**, 21, 3123-34	12.6	256
18	Discovery of pathogen-regulated small RNAs in plants. *Methods in Enzymology*, **2007**, 427, 215-27	1.7	25
17	Control of cell and petal morphogenesis by R2R3 MYB transcription factors. *Development (Cambridge)*, **2007**, 134, 1691-701	6.6	181
16	Down-regulation of the 26S proteasome subunit RPN9 inhibits viral systemic transport and alters plant vascular development. *Plant Physiology*, **2006**, 142, 651-61	6.6	52
15	A pathogen-inducible endogenous siRNA in plant immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 18002-7	11.5	400
14	Virus-induced gene silencing in Solanum species. *Plant Journal*, **2004**, 39, 264-72	6.9	175
13	VPEgamma exhibits a caspase-like activity that contributes to defense against pathogens. *Current Biology*, **2004**, 14, 1897-906	6.3	216
12	Function of a mitogen-activated protein kinase pathway in N gene-mediated resistance in tobacco. *Plant Journal*, **2003**, 33, 719-31	6.9	158

11	Interaction between two mitogen-activated protein kinases during tobacco defense signaling. *Plant Journal*, **2003**, 34, 149-60	6.9	92
10	Comparative analyses of potato expressed sequence tag libraries. *Plant Physiology*, **2003**, 131, 419-29	6.6	162
9	The mechanics of cell fate determination in petals. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2002**, 357, 809-13	5.8	60
8	NPK1, an MEKK1-like mitogen-activated protein kinase kinase kinase, regulates innate immunity and development in plants. *Developmental Cell*, **2002**, 3, 291-7	10.2	179
7	Chapter Eight Mechanisms and applications of transcriptional control of phenylpropanoid metabolism. *Recent Advances in Phytochemistry*, **2001**, 155-169		13
6	Transcriptional repression by AtMYB4 controls production of UV-protecting sunscreens in Arabidopsis. *EMBO Journal*, **2000**, 19, 6150-61	13	646
5	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. *Plant Cell*, **1999**, 11, 1827-40	11.6	139
4	Multifunctionality and diversity within the plant MYB-gene family. *Plant Molecular Biology*, **1999**, 41, 577-85	4.6	475
3	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. *Plant Cell*, **1999**, 11, 1827	11.6	2
2	Towards functional characterisation of the members of the R2R3-MYB gene family from Arabidopsis thaliana. *Plant Journal*, **1998**, 16, 263-76	6.9	467
1	Spray-induced gene silencing for disease control is dependent on the efficiency of pathogen RNA uptake		3