

# Yuan Qin

## List of Publications by Year in descending order

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107  
papers

3,936  
citations

136950

32  
h-index

149698

56  
g-index

112  
all docs

112  
docs citations

112  
times ranked

4299  
citing authors

#	ARTICLE	IF	CITATIONS
1	The pineapple genome and the evolution of CAM photosynthesis. <i>Nature Genetics</i> , 2015, 47, 1435-1442.	21.4	472
2	Penetration of the Stigma and Style Elicits a Novel Transcriptome in Pollen Tubes, Pointing to Genes Critical for Growth in a Pistil. <i>PLoS Genetics</i> , 2009, 5, e1000621.	3.5	319
3	The water lily genome and the early evolution of flowering plants. <i>Nature</i> , 2020, 577, 79-84.	27.8	238
4	The WRKY Transcription Factor Family in Model Plants and Crops. <i>Critical Reviews in Plant Sciences</i> , 2017, 36, 311-335.	5.7	231
5	Rapid tip growth: Insights from pollen tubes. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 816-824.	5.0	125
6	A role for LORELEI, a putative glycosylphosphatidylinositol-anchored protein, in Arabidopsis thaliana double fertilization and early seed development. <i>Plant Journal</i> , 2010, 62, 571-588.	5.7	104
7	H2A.Z Represses Gene Expression by Modulating Promoter Nucleosome Structure and Enhancer Histone Modifications in Arabidopsis. <i>Molecular Plant</i> , 2017, 10, 1274-1292.	8.3	102
8	Physiological and proteome analysis suggest critical roles for the photosynthetic system for high water-use efficiency under drought stress in Malus. <i>Plant Science</i> , 2015, 236, 44-60.	3.6	77
9	Regulation of Plant Growth and Development: A Review From a Chromatin Remodeling Perspective. <i>Frontiers in Plant Science</i> , 2018, 9, 1232.	3.6	77
10	Evolutionary and expression analyses of soybean basic Leucine zipper transcription factor family. <i>BMC Genomics</i> , 2018, 19, 159.	2.8	75
11	Genomes of the Banyan Tree and Pollinator Wasp Provide Insights into Fig-Wasp Coevolution. <i>Cell</i> , 2020, 183, 875-889.e17.	28.9	71
12	The THO Complex Non-Cell-Autonomously Represses Female Germline Specification through the TAS3-ARF3 Module. <i>Current Biology</i> , 2017, 27, 1597-1609.e2.	3.9	69
13	ACTIN-RELATED PROTEIN6 Regulates Female Meiosis by Modulating Meiotic Gene Expression in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 1612-1628.	6.6	68
14	Epigenetic regulation of anthocyanin biosynthesis by an antagonistic interaction between H2A.Z and H3K4me3. <i>New Phytologist</i> , 2019, 221, 295-308.	7.3	68
15	ERECTA signaling controls <i>Arabidopsis</i> inflorescence architecture through chromatin-mediated activation of <i>PRE1</i> expression. <i>New Phytologist</i> , 2017, 214, 1579-1596.	7.3	67
16	Assembly and comparative analysis of the complete mitochondrial genome of Suaeda glauca. <i>BMC Genomics</i> , 2021, 22, 167.	2.8	67
17	<i>KLU</i> suppresses megasporocyte cell fate through SWR1-mediated activation of <i>WRKY28</i> expression in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E526-E535.	7.1	66
18	The bracteatus pineapple genome and domestication of clonally propagated crops. <i>Nature Genetics</i> , 2019, 51, 1549-1558.	21.4	60

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19	Genome-Wide Identification and Expression Profiling of CBL-CIPK Gene Family in Pineapple ( <i>Ananas</i> ) Tj ETQq1 1 0.784314 rgBT /Overl	4.0	57
20	Aux/IAA14 Regulates microRNA-Mediated Cold Stress Response in Arabidopsis Roots. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8441.	4.1	57
21	Genome-Wide Identification and Expression Profiling of ATP-Binding Cassette (ABC) Transporter Gene Family in Pineapple ( <i>Ananas comosus</i> (L.) Merr.) Reveal the Role of AcABCG38 in Pollen Development. <i>Frontiers in Plant Science</i> , 2017, 8, 2150.	3.6	56
22	Plant Low-Temperature Stress: Signaling and Response. <i>Agronomy</i> , 2022, 12, 702.	3.0	55
23	Genome-wide identification and expression profiling of the SnRK2 gene family in <i>Malus prunifolia</i> . <i>Gene</i> , 2014, 552, 87-97.	2.2	51
24	The REN4 rheostat dynamically coordinates the apical and lateral domains of Arabidopsis pollen tubes. <i>Nature Communications</i> , 2018, 9, 2573.	12.8	50
25	Membrane receptor-mediated mechano-transduction maintains cell integrity during pollen tube growth within the pistil. <i>Developmental Cell</i> , 2021, 56, 1030-1042.e6.	7.0	46
26	The bZIP Transcription Factor GmbZIP15 Negatively Regulates Salt- and Drought-Stress Responses in Soybean. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7778.	4.1	45
27	Simple protoplast isolation system for gene expression and protein interaction studies in pineapple ( <i>Ananas comosus</i> L.). <i>Plant Methods</i> , 2018, 14, 95.	4.3	44
28	Genome-Wide Identification of Auxin Response Factor (ARF) Genes Family and its Tissue-Specific Prominent Expression in Pineapple ( <i>Ananas comosus</i> ). <i>Tropical Plant Biology</i> , 2017, 10, 86-96.	1.9	42
29	Arabidopsis ICK/KRP cyclin-dependent kinase inhibitors function to ensure the formation of one megaspore mother cell and one functional megaspore per ovule. <i>PLoS Genetics</i> , 2018, 14, e1007230.	3.5	41
30	Comparative expression profiling reveals gene functions in female meiosis and gametophyte development in Arabidopsis. <i>Plant Journal</i> , 2014, 80, 615-628.	5.7	40
31	Regulation of Female Germline Specification via Small RNA Mobility in Arabidopsis. <i>Plant Cell</i> , 2020, 32, 2842-2854.	6.6	40
32	Pollen Tube Discharge Completes the Process of Synergid Degeneration That Is Initiated by Pollen Tube-Synergid Interaction in Arabidopsis. <i>Plant Physiology</i> , 2015, 169, 485-496.	4.8	39
33	SWR1 Chromatin Remodeling Complex: A Key Transcriptional Regulator in Plants. <i>Cells</i> , 2019, 8, 1621.	4.1	36
34	Genome-Wide Analysis of the YABBY Transcription Factor Family in Pineapple and Functional Identification of AcYABBY4 Involvement in Salt Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5863.	4.1	36
35	Floral transcriptomes reveal gene networks in pineapple floral growth and fruit development. <i>Communications Biology</i> , 2020, 3, 500.	4.4	34
36	Sulfinylated azadecalins act as functional mimics of a pollen germination stimulant in Arabidopsis pistils. <i>Plant Journal</i> , 2011, 68, 800-815.	5.7	29

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37	Differential Expression Analysis of Reference Genes in Pineapple ( <i>Ananas comosus</i> L.) during Reproductive Development and Response to Abiotic Stress, Hormonal Stimuli. <i>Tropical Plant Biology</i> , 2019, 12, 67-77.	1.9	29
38	Overexpression of MpGR-RBP1, a glycine-rich RNA-binding protein gene from <i>Malus prunifolia</i> (Willd.) Borkh., confers salt stress tolerance and protects against oxidative stress in <i>Arabidopsis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 119, 635-646.	2.3	28
39	ROS and Oxidative Response Systems in Plants Under Biotic and Abiotic Stresses: Revisiting the Crucial Role of Phosphite Triggered Plants Defense Response. <i>Frontiers in Microbiology</i> , 2021, 12, 631318.	3.5	28
40	AcoMYB4, an <i>Ananas comosus</i> L. MYB Transcription Factor, Functions in Osmotic Stress through Negative Regulation of ABA Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5727.	4.1	27
41	ATP binding cassette transporters ABCG1 and ABCG16 affect reproductive development via auxin signalling in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2020, 102, 1172-1186.	5.7	25
42	Genome-wide study of pineapple ( <i>Ananas comosus</i> L.) bHLH transcription factors indicates that cryptochrome-interacting bHLH2 (AcCIB2) participates in flowering time regulation and abiotic stress response. <i>BMC Genomics</i> , 2020, 21, 735.	2.8	24
43	Identification, Characterization and Expression Profiles of Dof Transcription Factors in Pineapple ( <i>Ananas comosus</i> L.). <i>Tropical Plant Biology</i> , 2018, 11, 49-64.	1.9	22
44	Genome-wide investigation of calcium-dependent protein kinase gene family in pineapple: evolution and expression profiles during development and stress. <i>BMC Genomics</i> , 2020, 21, 72.	2.8	22
45	Auxin Signaling-Mediated Apoplastic pH Modification Functions in Petal Conical Cell Shaping. <i>Cell Reports</i> , 2020, 30, 3904-3916.e3.	6.4	21
46	A Soybean bZIP Transcription Factor GmbZIP19 Confers Multiple Biotic and Abiotic Stress Responses in Plant. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4701.	4.1	21
47	Identification and expression analysis of the DREB transcription factor family in pineapple ( <i>Ananas</i> Tj ETQq1 1 0,784314 rgBT /Over	2.0	21
48	Comparative analyses of American and Asian lotus genomes reveal insights into petal color, carpel thermogenesis and domestication. <i>Plant Journal</i> , 2022, 110, 1498-1515.	5.7	21
49	ERECTA signaling regulates plant immune responses via chromatin-mediated promotion of WRKY33 binding to target genes. <i>New Phytologist</i> , 2021, 230, 737-756.	7.3	20
50	Focusing on the Focus: What Else beyond the Master Switches for Polar Cell Growth?. <i>Molecular Plant</i> , 2015, 8, 582-594.	8.3	18
51	High-throughput single-cell transcriptomics reveals the female germline differentiation trajectory in <i>Arabidopsis thaliana</i> . <i>Communications Biology</i> , 2021, 4, 1149.	4.4	18
52	Identification and characterization of pineapple leaf lncRNAs in crassulacean acid metabolism (CAM) photosynthesis pathway. <i>Scientific Reports</i> , 2019, 9, 6658.	3.3	17
53	HBI1 acts downstream of ERECTA and SWR1 in regulating inflorescence architecture through the activation of the brassinosteroid and auxin signaling pathways. <i>New Phytologist</i> , 2021, 229, 414-428.	7.3	17
54	Spatiotemporal control of miR398 biogenesis, via chromatin remodeling and kinase signaling, ensures proper ovule development. <i>Plant Cell</i> , 2021, 33, 1530-1553.	6.6	16

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55	Brassinosteroid signaling regulates female germline specification in Arabidopsis. <i>Current Biology</i> , 2022, 32, 1102-1114.e5.	3.9	16
56	An Efficient Agrobacterium Mediated Transformation of Pineapple with GFP-Tagged Protein Allows Easy, Non-Destructive Screening of Transgenic Pineapple Plants. <i>Biomolecules</i> , 2019, 9, 617.	4.0	15
57	AcCIPK5, a pineapple CBL-interacting protein kinase, confers salt, osmotic and cold stress tolerance in transgenic Arabidopsis. <i>Plant Science</i> , 2022, 320, 111284.	3.6	15
58	Genome-Wide Identification and Expression Analysis of LBD Transcription Factor Genes in Passion Fruit ( <i>Passiflora edulis</i> ). <i>International Journal of Molecular Sciences</i> , 2022, 23, 4700.	4.1	15
59	Expression Profiles of Wuschel-Related Homeobox Gene Family in Pineapple ( <i>Ananas comosus</i> L). <i>Tropical Plant Biology</i> , 2017, 10, 204-215.	1.9	14
60	Comparative Expression Profiling Reveals Genes Involved in Megasporogenesis. <i>Plant Physiology</i> , 2020, 182, 2006-2024.	4.8	14
61	Genome-Wide Classification and Evolutionary and Functional Analyses of the VQ Family. <i>Tropical Plant Biology</i> , 2019, 12, 117-131.	1.9	13
62	The pineapple MADS-box gene family and the evolution of early monocot flower. <i>Scientific Reports</i> , 2021, 11, 849.	3.3	13
63	Characterization and the Expression Analysis of Nitrate Transporter (NRT) Gene Family in Pineapple. <i>Tropical Plant Biology</i> , 2018, 11, 177-191.	1.9	12
64	Arabidopsis IPGA1 is a microtubule-associated protein essential for cell expansion during petal morphogenesis. <i>Journal of Experimental Botany</i> , 2019, 70, 5231-5243.	4.8	12
65	Integrated analysis of DNA methylome and transcriptome reveals epigenetic regulation of CAM photosynthesis in pineapple. <i>BMC Plant Biology</i> , 2021, 21, 19.	3.6	12
66	Genomic Survey, Characterization, and Expression Profile Analysis of the SBP Genes in Pineapple ( <i>Ananas comosus</i> L.). <i>International Journal of Genomics</i> , 2017, 2017, 1-14.	1.6	11
67	Identification of SWI2/SNF2-Related 1 Chromatin Remodeling Complex (SWR1-C) Subunits in Pineapple and the Role of Pineapple SWR1 COMPLEX 6 (AcSWC6) in Biotic and Abiotic Stress Response. <i>Biomolecules</i> , 2019, 9, 364.	4.0	11
68	Low Mannitol Concentrations in Arabidopsis thaliana Expressing Ectocarpus Genes Improve Salt Tolerance. <i>Plants</i> , 2020, 9, 1508.	3.5	10
69	Genome-Wide Analysis, Characterization, and Expression Profile of the Basic Leucine Zipper Transcription Factor Family in Pineapple. <i>International Journal of Genomics</i> , 2020, 2020, 1-14.	1.6	10
70	Genome-wide identification, classification, and expression analysis of the HSF gene family in pineapple ( <i>Ananas comosus</i> ). <i>PeerJ</i> , 2021, 9, e11329.	2.0	10
71	The bZIP transcription factor GmbZIP15 facilitates resistance against <i>Sclerotinia sclerotiorum</i> and <i>Phytophthora sojae</i> infection in soybean. <i>IScience</i> , 2021, 24, 102642.	4.1	10
72	Characterization of auxin transporter AUX, PIN and PILS gene families in pineapple and evaluation of expression profiles during reproductive development and under abiotic stresses. <i>PeerJ</i> , 2021, 9, e11410.	2.0	10

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73	Genome-wide identification and expression analysis of the ERF transcription factor family in pineapple ( <i>Ananas comosus</i> (L.) Merr.). <i>PeerJ</i> , 2020, 8, e10014.	2.0	10
74	A CBL-interacting protein kinase, AcCIPK18, from <i>Ananas comosus</i> regulates tolerance to salt, drought, heat stress and <i>Sclerotinia sclerotiorum</i> infection in <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2022, 194, 104728.	4.2	10
75	Genome-Wide Identification, Expression Pattern Analysis and Evolution of the Ces/Csl Gene Superfamily in Pineapple ( <i>Ananas comosus</i> ). <i>Plants</i> , 2019, 8, 275.	3.5	9
76	SDG2 regulates <i>Arabidopsis</i> inflorescence architecture through SWR1-ERECTA signaling pathway. <i>IScience</i> , 2021, 24, 103236.	4.1	9
77	Studies on genome size estimation, chromosome number, gametophyte development and plant morphology of salt-tolerant halophyte <i>Suaeda salsa</i> . <i>BMC Plant Biology</i> , 2019, 19, 473.	3.6	8
78	Enhancement of in vitro shoot regeneration from leaf explants of apple rootstock G.41. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 263-270.	2.1	7
79	Ectopic Expression of Cold Responsive LlaCIPK Gene Enhances Cold Stress Tolerance in <i>Nicotiana tabacum</i> . <i>Genes</i> , 2019, 10, 446.	2.4	7
80	Genome-Wide Identification and Expression Analysis of the NAC Transcription Factor Family in Pineapple. <i>Tropical Plant Biology</i> , 2019, 12, 255-267.	1.9	7
81	Expression characterization and cross-species complementation uncover the functional conservation of YABBY genes for leaf abaxial polarity and carpel polarity establishment in <i>Saccharum spontaneum</i> . <i>BMC Plant Biology</i> , 2022, 22, 124.	3.6	7
82	Genome-Wide Analysis of the Cryptochrome Gene Family in Plants. <i>Tropical Plant Biology</i> , 2020, 13, 117-126.	1.9	6
83	Identification and Evolutionary Analysis of FAD2 Gene Family in Green Plants. <i>Tropical Plant Biology</i> , 0, 1.	1.9	6
84	Genome-Wide Investigation of SBT Family Genes in Pineapple and Functional Analysis of AcoSBT1.12 in Floral Transition. <i>Frontiers in Genetics</i> , 2021, 12, 730821.	2.3	6
85	Genomic analysis of SBP gene family in <i>Saccharum spontaneum</i> reveals their association with vegetative and reproductive development. <i>BMC Genomics</i> , 2021, 22, 767.	2.8	5
86	The Glycine-Rich Domain Protein GRDP2 Regulates Ovule Development via the Auxin Pathway in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 698487.	3.6	5
87	Characterization of germline development and identification of genes associated with germline specification in pineapple. <i>Horticulture Research</i> , 2021, 8, 239.	6.3	5
88	The Inactivation of <i>Arabidopsis</i> UBC22 Results in Abnormal Chromosome Segregation in Female Meiosis, but Not in Male Meiosis. <i>Plants</i> , 2021, 10, 2418.	3.5	5
89	Big Role of Small RNAs in Female Gametophyte Development. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1979.	4.1	5
90	Investigation of the JASMONATE ZIM-DOMAIN Gene Family Reveals the Canonical JA-Signaling Pathway in Pineapple. <i>Biology</i> , 2022, 11, 445.	2.8	5

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91	Biology of the Pineapple Plant. <i>Plant Genetics and Genomics: Crops and Models</i> , 2018, , 27-40.	0.3	4
92	Genome-Wide Identification and Evaluation of New Reference Genes in Pineapple ( <i>Ananas comosus</i> L.) during Stamen and Ovule Development. <i>Tropical Plant Biology</i> , 2020, 13, 371-381.	1.9	4
93	Genome-wide Identification and Expression Pattern Analysis of the HD-Zip Transcription Factor Family in Pineapple ( <i>Ananas Comosus</i> ). <i>Tropical Plant Biology</i> , 2021, 14, 120-131.	1.9	4
94	Interspecific complementation-restoration of phenotype in <i>Arabidopsis cuc2cuc3</i> mutant by sugarcane CUC2 gene. <i>BMC Plant Biology</i> , 2022, 22, 47.	3.6	4
95	Genome Wide Identification and Expression Profiles of TALE Genes in Pineapple ( <i>Ananas comosus</i> L.). <i>Tropical Plant Biology</i> , 2019, 12, 304-317.	1.9	3
96	TRM61 is essential for <i>Arabidopsis</i> embryo and endosperm development. <i>Plant Reproduction</i> , 2022, 35, 31-46.	2.2	3
97	De novo transcriptome assembly and gene expression profiling of <i>Ipomoea pes-caprae</i> L. under heat and cold stresses. <i>Scientia Horticulturae</i> , 2021, 289, 110379.	3.6	3
98	Ectopic Expression of Kenaf ( <i>Hibiscus cannabinus</i> L.) HcWRKY50 Improves Plants' Tolerance to Drought Stress and Regulates ABA Signaling in <i>Arabidopsis</i> . <i>Agronomy</i> , 2022, 12, 1176.	3.0	3
99	Influence of thermal ageing on oxidation performance and nanostructures of dry soot in diesel engine. <i>Journal of Central South University</i> , 2021, 28, 2206-2220.	3.0	2
100	Comparative Expression Profiling of Snf2 Family Genes During Reproductive Development and Stress Responses in Rice. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	2
101	Ectopic Overexpression of Pineapple Transcription Factor AcWRKY31 Reduces Drought and Salt Tolerance in Rice and <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 6269.	4.1	2
102	Genome-Wide Identification, Characterization of RDR Genes and their Expression Analysis during Reproductive Development and Stress in Pineapple. <i>Tropical Plant Biology</i> , 2020, 13, 13-22.	1.9	1
103	Identification and evaluation of the novel genes for transcript normalization during female gametophyte development in sugarcane. <i>PeerJ</i> , 2021, 9, e12298.	2.0	1
104	Towards Understanding the Involvement of H <sup>+</sup> -ATPase in Programmed Cell Death of <i>Psammosilene tunicoides</i> after Oxalic Acid Application. <i>Molecules</i> , 2021, 26, 6957.	3.8	1
105	Somatic Embryogenesis and Indirect In Vitro Plant Regeneration in <i>Amorphophallus konjac</i> K. Koch by One-Step Seedling Formation. <i>Horticulturae</i> , 2021, 7, 497.	2.8	1
106	OsDDM1b Controls Grain Size by Influencing Cell Cycling and Regulating Homeostasis and Signaling of Brassinosteroid in Rice. <i>Frontiers in Plant Science</i> , 2022, 13, 873993.	3.6	1
107	ACTIN-RELATED PROTEIN 6 regulates DISRUPTED MEIOTIC cDNA 1 gene expression in <i>Arabidopsis thaliana</i> ovules. <i>Molecular Reproduction and Development</i> , 2015, 82, 499-499.	2.0	0