

Li-Jia Qu

List of Publications by Year in descending order

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6,814
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47006

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64796

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100
docs citations

100
times ranked

8556
citing authors

#	ARTICLE	IF	CITATIONS
1	Two interacting bZIP proteins are direct targets of COP1-mediated control of light-dependent gene expression in <i>Arabidopsis</i> . <i>Genes and Development</i> , 2002, 16, 1247-1259.	5.9	541
2	<i>Arabidopsis</i> pollen tube integrity and sperm release are regulated by RALF-mediated signaling. <i>Science</i> , 2017, 358, 1596-1600.	12.6	324
3	Disruption of phytoene desaturase gene results in albino and dwarf phenotypes in <i>Arabidopsis</i> by impairing chlorophyll, carotenoid, and gibberellin biosynthesis. <i>Cell Research</i> , 2007, 17, 471-482.	12.0	313
4	An Indole-3-Acetic Acid Carboxyl Methyltransferase Regulates <i>Arabidopsis</i> Leaf Development. <i>Plant Cell</i> , 2005, 17, 2693-2704.	6.6	260
5	Genome-Wide ORFeome Cloning and Analysis of <i>Arabidopsis</i> Transcription Factor Genes. <i>Plant Physiology</i> , 2004, 135, 773-782.	4.8	205
6	<i>Dof5.6/HCA2</i> , a Dof Transcription Factor Gene, Regulates Interfascicular Cambium Formation and Vascular Tissue Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 3518-3534.	6.6	162
7	Transcription factor families in <i>Arabidopsis</i> : major progress and outstanding issues for future research. <i>Current Opinion in Plant Biology</i> , 2006, 9, 544-549.	7.1	156
8	CFL1, a WW Domain Protein, Regulates Cuticle Development by Modulating the Function of HDG1, a Class IV Homeodomain Transcription Factor, in Rice and <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 3392-3411.	6.6	148
9	Targeted Degradation of the Cyclin-Dependent Kinase Inhibitor ICK4/KRP6 by RING-Type E3 Ligases Is Essential for Mitotic Cell Cycle Progression during <i>Arabidopsis</i> Gametogenesis. <i>Plant Cell</i> , 2008, 20, 1538-1554.	6.6	142
10	A High-Throughput Screening System for <i>Arabidopsis</i> Transcription Factors and Its Application to Med25-Dependent Transcriptional Regulation. <i>Molecular Plant</i> , 2011, 4, 546-555.	8.3	135
11	<i>Arabidopsis</i> RAP2.2 plays an important role in plant resistance to <i>Botrytis cinerea</i> and ethylene responses. <i>New Phytologist</i> , 2012, 195, 450-460.	7.3	129
12	The <i>Arabidopsis</i> Mediator subunit MED16 regulates iron homeostasis by associating with EIN3/EIL1 through subunit MED25. <i>Plant Journal</i> , 2014, 77, 838-851.	5.7	120
13	The TIE1 Transcriptional Repressor Links TCP Transcription Factors with TOPLESS/TOPLESS-RELATED Corepressors and Modulates Leaf Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 421-437.	6.6	116
14	A subgroup of MYB transcription factor genes undergoes highly conserved alternative splicing in <i>Arabidopsis</i> and rice. <i>Journal of Experimental Botany</i> , 2006, 57, 1263-1273.	4.8	112
15	Membrane-Bound RLCKs LIP1 and LIP2 Are Essential Male Factors Controlling Male-Female Attraction in <i>Arabidopsis</i> . <i>Current Biology</i> , 2013, 23, 993-998.	3.9	112
16	Peptide signalling during the pollen tube journey and double fertilization. <i>Journal of Experimental Botany</i> , 2015, 66, 5139-5150.	4.8	111
17	Molecular Cloning and Functional Analysis of a Novel Type of Bowman-Birk Inhibitor Gene Family in Rice. <i>Plant Physiology</i> , 2003, 133, 560-570.	4.8	110
18	Crystal structure of PXY-TDIF complex reveals a conserved recognition mechanism among CLE peptide-receptor pairs. <i>Cell Research</i> , 2016, 26, 543-555.	12.0	109

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19	Arabidopsis AtBECLIN 1/AtAtg6/AtVps30 is essential for pollen germination and plant development. <i>Cell Research</i> , 2007, 17, 249-263.	12.0	107
20	Constitutive expression of CIR1 (RVE2) affects several circadian-regulated processes and seed germination in Arabidopsis. <i>Plant Journal</i> , 2007, 51, 512-525.	5.7	106
21	The WRKY Transcription Factor WRKY71/EXB1 Controls Shoot Branching by Transcriptionally Regulating <i>RAX</i> Genes in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 3112-3127.	6.6	102
22	Cysteine-rich peptides promote interspecific genetic isolation in <i>Arabidopsis</i> . <i>Science</i> , 2019, 364, .	12.6	101
23	SERK Family Receptor-like Kinases Function as Co-receptors with PXY for Plant Vascular Development. <i>Molecular Plant</i> , 2016, 9, 1406-1414.	8.3	99
24	GLABRA2 Directly Suppresses Basic Helix-Loop-Helix Transcription Factor Genes with Diverse Functions in Root Hair Development. <i>Plant Cell</i> , 2015, 27, tpc.15.00607.	6.6	97
25	The molecular mechanism of SPOROCTELESS/NOZZLE in controlling Arabidopsis ovule development. <i>Cell Research</i> , 2015, 25, 121-134.	12.0	93
26	Transcriptional profiling of Arabidopsis seedlings in response to heavy metal lead (Pb). <i>Environmental and Experimental Botany</i> , 2009, 67, 377-386.	4.2	92
27	<i>myo</i> -Inositol-3-Phosphate Affects Phosphatidylinositol-Mediated Endomembrane Function in <i>Arabidopsis</i> and Is Essential for Auxin-Regulated Embryogenesis. <i>Plant Cell</i> , 2011, 23, 1352-1372.	6.6	92
28	LLG2/3 Are Co-receptors in BUPS/ANX-RALF Signaling to Regulate Arabidopsis Pollen Tube Integrity. <i>Current Biology</i> , 2019, 29, 3256-3265.e5.	3.9	87
29	Sperm cells are passive cargo of the pollen tube in plant fertilization. <i>Nature Plants</i> , 2017, 3, 17079.	9.3	84
30	Transcriptional Profiling of Rice Early Response to <i>Magnaporthe oryzae</i> Identified OsWRKYs as Important Regulators in Rice Blast Resistance. <i>PLoS ONE</i> , 2013, 8, e59720.	2.5	84
31	Maternal ENODLs Are Required for Pollen Tube Reception in Arabidopsis. <i>Current Biology</i> , 2016, 26, 2343-2350.	3.9	82
32	TRANSLUCENT GREEN, an ERF Family Transcription Factor, Controls Water Balance in Arabidopsis by Activating the Expression of Aquaporin Genes. <i>Molecular Plant</i> , 2014, 7, 601-615.	8.3	79
33	RNA Binding Proteins RZ-1B and RZ-1C Play Critical Roles in Regulating Pre-mRNA Splicing and Gene Expression during Development in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 55-73.	6.6	79
34	AtVPS41-mediated endocytic pathway is essential for pollen tube-stigma interaction in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6307-6312.	7.1	75
35	AtCDC5 regulates the G2 to M transition of the cell cycle and is critical for the function of Arabidopsis shoot apical meristem. <i>Cell Research</i> , 2007, 17, 815-828.	12.0	72
36	A platform of high-density INDEL/CAPS markers for map-based cloning in Arabidopsis. <i>Plant Journal</i> , 2010, 63, 880-888.	5.7	72

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37	<i>SPOROCYTELESS</i> modulates <i>YUCCA</i> expression to regulate the development of lateral organs in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2008, 179, 751-764.	7.3	69
38	Mechanism of DNA-induced Phase Separation for Transcriptional Repressor VRN1. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4858-4862.	13.8	69
39	Phytochrome A Mediates Rapid Red Light-induced Phosphorylation of <i>Arabidopsis</i> FAR-RED ELONGATED HYPOCOTYL1 in a Low Fluence Response. <i>Plant Cell</i> , 2009, 21, 494-506.	6.6	67
40	RALF peptide signaling controls the polytubey block in <i>Arabidopsis</i> . <i>Science</i> , 2022, 375, 290-296.	12.6	65
41	Identification and characterization of COI1-dependent transcription factor genes involved in JA-mediated response to wounding in <i>Arabidopsis</i> plants. <i>Plant Cell Reports</i> , 2007, 27, 125-135.	5.6	64
42	Meiotic and Mitotic Cell Cycle Mutants Involved in Gametophyte Development in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2008, 1, 564-574.	8.3	63
43	Overexpression of <i>WOX1</i> Leads to Defects in Meristem Development and Polyamine Homeostasis in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2011, 53, 493-506.	8.5	63
44	Plant Mediator complex and its critical functions in transcription regulation. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 106-118.	8.5	63
45	Peptide/receptor-like kinase-mediated signaling involved in male-female interactions. <i>Current Opinion in Plant Biology</i> , 2019, 51, 7-14.	7.1	61
46	Pollen tube integrity regulation in flowering plants: insights from molecular assemblies on the pollen tube surface. <i>New Phytologist</i> , 2019, 222, 687-693.	7.3	57
47	Obtaining and analysis of flanking sequences from T-DNA transformants of <i>Arabidopsis</i> . <i>Plant Science</i> , 2003, 165, 941-949.	3.6	54
48	Overexpression of the Wounding-Responsive Gene <i>AtMYB15</i> Activates the Shikimate Pathway in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2006, 48, 1084-1095.	8.5	52
49	The Features and Regulation of Co-transcriptional Splicing in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2020, 13, 278-294.	8.3	52
50	Engineered xCas9 and SpCas9-NG variants broaden PAM recognition sites to generate mutations in <i>Arabidopsis</i> plants. <i>Plant Biotechnology Journal</i> , 2019, 17, 1865-1867.	8.3	51
51	A gain-of-function mutation of transcriptional factor PTL results in curly leaves, dwarfism and male sterility by affecting auxin homeostasis. <i>Plant Molecular Biology</i> , 2008, 66, 315-327.	3.9	49
52	TANDEM ZINC-FINGER/PLUS3 Is a Key Component of Phytochrome A Signaling. <i>Plant Cell</i> , 2018, 30, 835-852.	6.6	49
53	ADP1 Affects Plant Architecture by Regulating Local Auxin Biosynthesis. <i>PLoS Genetics</i> , 2014, 10, e1003954.	3.5	47
54	Crystal structures of the extracellular domains of the CrRLK1L receptor-like kinases ANXUR1 and ANXUR2. <i>Protein Science</i> , 2018, 27, 886-892.	7.6	47

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55	Two groups of MYB transcription factors share a motif which enhances trans-activation activity. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 1155-1163.	2.1	44
56	The possible action mechanisms of indole-3-acetic acid methyl ester in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2008, 27, 575-584.	5.6	43
57	The <i>Arabidopsis</i> APC4 subunit of the anaphase-promoting complex/cyclosome (APC/C) is critical for both female gametogenesis and embryogenesis. <i>Plant Journal</i> , 2012, 69, 227-240.	5.7	40
58	Active role of small peptides in <i>Arabidopsis</i> reproduction: Expression evidence. <i>Journal of Integrative Plant Biology</i> , 2015, 57, 518-521.	8.5	40
59	A Novel Imprinted Gene NUWA Controls Mitochondrial Function in Early Seed Development in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2017, 13, e1006553.	3.5	40
60	Hormonal Regulation of Leaf Morphogenesis in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2007, 49, 75-80.	8.5	38
61	How CrRLK1L Receptor Complexes Perceive RALF Signals. <i>Trends in Plant Science</i> , 2019, 24, 978-981.	8.8	38
62	The <i>Arabidopsis</i> Anaphase-Promoting Complex/Cyclosome Subunit 1 is Critical for Both Female Gametogenesis and Embryogenesis. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 64-74.	8.5	35
63	Isocitrate lyase plays important roles in plant salt tolerance. <i>BMC Plant Biology</i> , 2019, 19, 472.	3.6	33
64	Novel DYW-type pentatricopeptide repeat (PPR) protein BLX controls mitochondrial RNA editing and splicing essential for early seed development of <i>Arabidopsis</i> . <i>Journal of Genetics and Genomics</i> , 2018, 45, 155-168.	3.9	32
65	Cloning and expression analysis of Zmg1p1, a new germin-like protein gene in maize. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 1257-1263.	2.1	30
66	Distinguishing transgenic from non-transgenic <i>Arabidopsis</i> plants by 1H NMR-based metabolic fingerprinting. <i>Journal of Genetics and Genomics</i> , 2009, 36, 621-628.	3.9	29
67	<i>Arabidopsis</i> AtVPS15 Plays Essential Roles in Pollen Germination Possibly by Interacting with AtVPS34. <i>Journal of Genetics and Genomics</i> , 2012, 39, 81-92.	3.9	29
68	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 1999, 58, 87-92.	2.3	28
69	<i>Arabidopsis</i> FHY1 Protein Stability Is Regulated by Light via Phytochrome A and 26S Proteasome. <i>Plant Physiology</i> , 2005, 139, 1234-1243.	4.8	27
70	Four Closely Related RING-type E3 Ligases, APD1-4, are Involved in Pollen Mitosis II Regulation in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2012, 54, 814-827.	8.5	27
71	Allelic Analyses of the <i>Arabidopsis</i> YUC1 Locus Reveal Residues and Domains Essential for the Functions of YUC Family of Flavin Monooxygenases. <i>Journal of Integrative Plant Biology</i> , 2011, 53, 54-62.	8.5	26
72	CFLAP1 and CFLAP2 Are Two bHLH Transcription Factors Participating in Synergistic Regulation of AtCFL1-Mediated Cuticle Development in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2016, 12, e1005744.	3.5	22

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73	Virus induced gene silencing of AtCDC5 results in accelerated cell death in Arabidopsis leaves. <i>Plant Physiology and Biochemistry</i> , 2007, 45, 87-94.	5.8	20
74	Update on Receptors and Signaling. <i>Plant Physiology</i> , 2020, 182, 1527-1530.	4.8	20
75	Lack of ethylene does not affect reproductive success and synergid cell death in Arabidopsis. <i>Molecular Plant</i> , 2022, 15, 354-362.	8.3	19
76	VPS18-regulated vesicle trafficking controls the secretion of pectin and its modifying enzyme during pollen tube growth in Arabidopsis. <i>Plant Cell</i> , 2021, 33, 3042-3056.	6.6	17
77	A nuclear-encoded mitochondrial gene AtCIB22 is essential for plant development in Arabidopsis. <i>Journal of Genetics and Genomics</i> , 2010, 37, 667-683.	3.9	15
78	GAMT2 Encodes a Methyltransferase of Gibberellic Acid That is Involved in Seed Maturation and Germination in Arabidopsis. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 368-381.	8.5	14
79	C-terminal extension of calmodulin-like 3 protein from <i>Oryza sativa</i> L.: interaction with a high mobility group target protein. <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 880-889.	2.0	14
80	Progressive chromatin silencing of ABA biosynthesis genes permits seed germination in Arabidopsis. <i>Plant Cell</i> , 2022, 34, 2871-2891.	6.6	14
81	Mechanism of DNA-induced Phase Separation for Transcriptional Repressor VRN1. <i>Angewandte Chemie</i> , 2019, 131, 4912-4916.	2.0	13
82	SNAIL1 is essential for female gametogenesis in <i>Arabidopsis thaliana</i> . <i>Journal of Integrative Plant Biology</i> , 2017, 59, 629-641.	8.5	12
83	From birth to function: Male gametophyte development in flowering plants. <i>Current Opinion in Plant Biology</i> , 2021, 63, 102118.	7.1	12
84	Auxins. , 2017, , 39-76.		10
85	Generation and Identification of Arabidopsis EMS Mutants. <i>Methods in Molecular Biology</i> , 2014, 1062, 225-239.	0.9	9
86	The signals to trigger the initiation of ovule enlargement are from the pollen tubes: The direct evidence. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 600-603.	8.5	9
87	Cysteine-rich peptides: signals for pollen tube guidance, species isolation and beyond. <i>Science China Life Sciences</i> , 2019, 62, 1243-1245.	4.9	9
88	AtLURE1/PRK6-mediated signaling promotes conspecific micropylar pollen tube guidance. <i>Plant Physiology</i> , 2021, 186, 865-873.	4.8	9
89	Two nuclear localization signals required for the nuclear localization of rice ribosomal protein S4. <i>Plant Science</i> , 2002, 162, 251-256.	3.6	8
90	Stigmatic ROS: regulator of compatible pollen tube perception?. <i>Trends in Plant Science</i> , 2021, 26, 993-995.	8.8	8

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91	Overexpression of a New Putative Membrane Protein Gene <i>AtMRB1</i> Results in Organ Size Enlargement in <i>Arabidopsis</i> . <i>Journal of Integrative Plant Biology</i> , 2009, 51, 130-139.	8.5	7
92	Plant Hormones: Metabolism, Signaling and Crosstalk. <i>Journal of Integrative Plant Biology</i> , 2011, 53, 410-411.	8.5	7
93	Generation and Characterization of <i>Arabidopsis</i> T-DNA Insertion Mutants. <i>Methods in Molecular Biology</i> , 2014, 1062, 241-258.	0.9	6
94	<i>ADP1</i> affects abundance and endocytosis of PIN-FORMED proteins in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2015, 10, e973811.	2.4	4
95	A new protein kinase gene <i>SSG1</i> is essential for adaptation of <i>Arabidopsis</i> to salt stress. <i>Environmental and Experimental Botany</i> , 2013, 86, 9-16.	4.2	3
96	Obtaining Mutant Pollen for Phenotypic Analysis and Pollen Tube Dual Staining. <i>Methods in Molecular Biology</i> , 2020, 2160, 181-190.	0.9	3
97	Plant reproduction: Recent discoveries from China. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 591-593.	8.5	0
98	Semi-In Vivo Assay for Pollen Tube Attraction. <i>Methods in Molecular Biology</i> , 2020, 2160, 83-92.	0.9	0
99	Kingdom Come. <i>PLoS Genetics</i> , 2020, 16, e1009178.	3.5	0