

Yuling Jiao

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

6,386
citations

81900
39
h-index

71685
76
g-index

92
all docs

92
docs citations

92
times ranked

7447
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-regulated transcriptional networks in higher plants. <i>Nature Reviews Genetics</i> , 2007, 8, 217-230.	16.3	892
2	Arabidopsis Regeneration from Multiple Tissues Occurs via a Root Development Pathway. <i>Developmental Cell</i> , 2010, 18, 463-471.	7.0	502
3	Global genome expression analysis of rice in response to drought and high-salinity stresses in shoot, flag leaf, and panicle. <i>Plant Molecular Biology</i> , 2007, 63, 591-608.	3.9	275
4	A transcriptome atlas of rice cell types uncovers cellular, functional and developmental hierarchies. <i>Nature Genetics</i> , 2009, 41, 258-263.	21.4	229
5	A Two-Step Model for de Novo Activation of <i>WUSCHEL</i> during Plant Shoot Regeneration. <i>Plant Cell</i> , 2017, 29, 1073-1087.	6.6	229
6	Conservation and Divergence of Light-Regulated Genome Expression Patterns during Seedling Development in Rice and Arabidopsis [W]. <i>Plant Cell</i> , 2005, 17, 3239-3256.	6.6	207
7	SKIP Is a Component of the Spliceosome Linking Alternative Splicing and the Circadian Clock in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3278-3295.	6.6	198
8	Triticum population sequencing provides insights into wheat adaptation. <i>Nature Genetics</i> , 2020, 52, 1412-1422.	21.4	178
9	Molecular Mechanisms of Leaf Morphogenesis. <i>Molecular Plant</i> , 2018, 11, 1117-1134.	8.3	171
10	The Stem Cell Niche in Leaf Axils Is Established by Auxin and Cytokinin in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 2055-2067.	6.6	165
11	Organ-Specific Expression of Arabidopsis Genome during Development. <i>Plant Physiology</i> , 2005, 138, 80-91.	4.8	164
12	Cell-type specific analysis of translating RNAs in developing flowers reveals new levels of control. <i>Molecular Systems Biology</i> , 2010, 6, 419.	7.2	155
13	Cytokinin Signaling Activates <i>WUSCHEL</i> Expression during Axillary Meristem Initiation. <i>Plant Cell</i> , 2017, 29, 1373-1387.	6.6	146
14	Spatial Auxin Signaling Controls Leaf Flattening in Arabidopsis. <i>Current Biology</i> , 2017, 27, 2940-2950.e4.	3.9	118
15	<i>AUXIN RESPONSE FACTOR 3</i> integrates the functions of <i>AGAMOUS</i> and <i>APETALA 2</i> in floral meristem determinacy. <i>Plant Journal</i> , 2014, 80, 629-641.	5.7	115
16	A microarray analysis of the rice transcriptome and its comparison to Arabidopsis. <i>Genome Research</i> , 2005, 15, 1274-1283.	5.5	112
17	Mechanical regulation of organ asymmetry in leaves. <i>Nature Plants</i> , 2017, 3, 724-733.	9.3	110
18	A Genome-Wide Analysis of Blue-Light Regulation of Arabidopsis Transcription Factor Gene Expression during Seedling Development. <i>Plant Physiology</i> , 2003, 133, 1480-1493.	4.8	108

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19	The Molecular Mechanism of Ethylene-Mediated Root Hair Development Induced by Phosphate Starvation. <i>PLoS Genetics</i> , 2016, 12, e1006194.	3.5	108
20	An organ boundary-enriched gene regulatory network uncovers regulatory hierarchies underlying axillary meristem initiation. <i>Molecular Systems Biology</i> , 2014, 10, 755.	7.2	98
21	A gene expression map of shoot domains reveals regulatory mechanisms. <i>Nature Communications</i> , 2019, 10, 141.	12.8	96
22	An AT-hook gene is required for palea formation and floral organ number control in rice. <i>Developmental Biology</i> , 2011, 359, 277-288.	2.0	94
23	Transcriptome Association Identifies Regulators of Wheat Spike Architecture. <i>Plant Physiology</i> , 2017, 175, 746-757.	4.8	94
24	Two-Step Regulation of a Meristematic Cell Population Acting in Shoot Branching in Arabidopsis. <i>PLoS Genetics</i> , 2016, 12, e1006168.	3.5	91
25	AUXIN RESPONSE FACTOR3 Regulates Floral Meristem Determinacy by Repressing Cytokinin Biosynthesis and Signaling. <i>Plant Cell</i> , 2018, 30, 324-346.	6.6	89
26	Auxin depletion from leaf primordia contributes to organ patterning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18769-18774.	7.1	88
27	Cytokinin pathway mediates <i>APETALA1</i> function in the establishment of determinate floral meristems in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6840-6845.	7.1	87
28	Axillary meristem initiation – a way to branch out. <i>Current Opinion in Plant Biology</i> , 2018, 41, 61-66.	7.1	81
29	Regulation of inflorescence architecture by cytokinins. <i>Frontiers in Plant Science</i> , 2014, 5, 669.	3.6	79
30	Suppression of Photosynthetic Gene Expression in Roots Is Required for Sustained Root Growth under Phosphate Deficiency. <i>Plant Physiology</i> , 2014, 165, 1156-1170.	4.8	71
31	Microtubule-Mediated Wall Anisotropy Contributes to Leaf Blade Flattening. <i>Current Biology</i> , 2020, 30, 3972-3985.e6.	3.9	69
32	Transcriptome-Wide Analysis of Uncapped mRNAs in <i>Arabidopsis</i> Reveals Regulation of mRNA Degradation. <i>Plant Cell</i> , 2008, 20, 2571-2585.	6.6	64
33	Feedback from Lateral Organs Controls Shoot Apical Meristem Growth by Modulating Auxin Transport. <i>Developmental Cell</i> , 2018, 44, 204-216.e6.	7.0	62
34	Auxin and above-ground meristems. <i>Journal of Experimental Botany</i> , 2018, 69, 147-154.	4.8	57
35	A Tiling Microarray Expression Analysis of Rice Chromosome 4 Suggests a Chromosome-Level Regulation of Transcription. <i>Plant Cell</i> , 2005, 17, 1641-1657.	6.6	56
36	The Diverse Roles of Auxin in Regulating Leaf Development. <i>Plants</i> , 2019, 8, 243.	3.5	52

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37	Regulation of Axillary Meristem Initiation by Transcription Factors and Plant Hormones. <i>Frontiers in Plant Science</i> , 2016, 7, 183.	3.6	49
38	A genome-wide transcriptional activity survey of rice transposable element-related genes. <i>Genome Biology</i> , 2007, 8, R28.	9.6	47
39	Stochastic gene expression drives mesophyll protoplast regeneration. <i>Science Advances</i> , 2021, 7, .	10.3	44
40	Transcriptome Survey of the Contribution of Alternative Splicing to Proteome Diversity in <i>Arabidopsis thaliana</i> . <i>Molecular Plant</i> , 2016, 9, 749-752.	8.3	43
41	What is quantitative plant biology?. <i>Quantitative Plant Biology</i> , 2021, 2, .	2.0	43
42	Model for the role of auxin polar transport in patterning of the leaf adaxial–abaxial axis. <i>Plant Journal</i> , 2017, 92, 469-480.	5.7	35
43	A near-complete assembly of an <i>Arabidopsis thaliana</i> genome. <i>Molecular Plant</i> , 2022, 15, 1247-1250.	8.3	35
44	Vision, challenges and opportunities for a Plant Cell Atlas. <i>ELife</i> , 2021, 10, .	6.0	31
45	A Self-Activation Loop Maintains Meristematic Cell Fate for Branching. <i>Current Biology</i> , 2020, 30, 1893-1904.e4.	3.9	30
46	Advances and applications of single-cell omics technologies in plant research. <i>Plant Journal</i> , 2022, 110, 1551-1563.	5.7	27
47	Distinct reorganization of the genome transcription associates with organogenesis of somatic embryo, shoots, and roots in rice. <i>Plant Molecular Biology</i> , 2007, 63, 337-349.	3.9	26
48	Flower Development: Open Questions and Future Directions. <i>Methods in Molecular Biology</i> , 2014, 1110, 103-124.	0.9	26
49	Spatiotemporal control of axillary meristem formation by interacting transcriptional regulators. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	25
50	Asynchrony of ovule primordia initiation in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2020, 147, .	2.5	25
51	Dynamic patterns of gene expression during leaf initiation. <i>Journal of Genetics and Genomics</i> , 2017, 44, 599-601.	3.9	23
52	A crosstalk between auxin and brassinosteroid regulates leaf shape by modulating growth anisotropy. <i>Molecular Plant</i> , 2021, 14, 949-962.	8.3	23
53	Improving bread wheat yield through modulating an unselected AP2/ERF gene. <i>Nature Plants</i> , 2022, 8, 930-939.	9.3	23
54	Leaflet initiation and blade expansion are separable in compound leaf development. <i>Plant Journal</i> , 2020, 104, 1073-1087.	5.7	22

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55	MicroRNA775 regulates intrinsic leaf size and reduces cell wall pectin levels by targeting a galactosyltransferase gene in Arabidopsis. Plant Cell, 2021, 33, 581-602.	6.6	22
56	Single-cell transcriptome analysis reveals widespread monoallelic gene expression in individual rice mesophyll cells. Science Bulletin, 2017, 62, 1304-1314.	9.0	21
57	Plant multiscale networks: charting plant connectivity by multi-level analysis and imaging techniques. Science China Life Sciences, 2021, 64, 1392-1422.	4.9	21
58	Mechanical control of plant morphogenesis: concepts and progress. Current Opinion in Plant Biology, 2020, 57, 16-23.	7.1	20
59	A systems approach to understand shoot branching. Current Plant Biology, 2015, 3-4, 13-19.	4.7	14
60	Control of cell fate during axillary meristem initiation. Cellular and Molecular Life Sciences, 2020, 77, 2343-2354.	5.4	14
61	The <i>35S</i> promoter-driven mDII auxin control sensor is uniformly distributed in leaf primordia. Journal of Integrative Plant Biology, 2019, 61, 1114-1120.	8.5	13
62	Next-Generation Sequencing Applied to Flower Development: RNA-Seq. Methods in Molecular Biology, 2014, 1110, 401-411.	0.9	12
63	Translating Ribosome Affinity Purification (TRAP) for Cell-Specific Translation Profiling in Developing Flowers. Methods in Molecular Biology, 2014, 1110, 323-328.	0.9	10
64	Epidermal restriction confers robustness to organ shapes. Journal of Integrative Plant Biology, 2020, 62, 1853-1867.	8.5	9
65	Coactivation of antagonistic genes stabilizes polarity patterning during shoot organogenesis. Science Advances, 2022, 8, .	10.3	9
66	Cellulose Microfibril-Mediated Directional Plant Cell Expansion: Gas and Brake. Molecular Plant, 2020, 13, 1670-1672.	8.3	8
67	Multi-level analysis of the interactions between REVOLUTA and MORE AXILLARY BRANCHES 2 in controlling plant development reveals parallel, independent and antagonistic functions. Development (Cambridge), 2020, 147, .	2.5	8
68	Keeping leaves in shape. Nature Plants, 2020, 6, 436-437.	9.3	8
69	<i>APETALA1</i> establishes determinate floral meristem through regulating cytokinins homeostasis in <i>Arabidopsis</i>. Plant Signaling and Behavior, 2015, 10, e989039.	2.4	7
70	Trichome Formation: Gibberellins on the Move. Plant Physiology, 2016, 170, 1174-1175.	4.8	7
71	Interplay between the shoot apical meristem and lateral organs. ABIOTECH, 2020, 1, 178-184.	3.9	6
72	Advances in plant cell type-specific genome-wide studies of gene expression. Frontiers in Biology, 2011, 6, 384-389.	0.7	5

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73	Reply to “Early shaping of a leaf”™. Nature Plants, 2018, 4, 620-621.	9.3	5
74	May the Force Be with You: Overlooked Mechanical Signaling. Molecular Plant, 2019, 12, 464-466.	8.3	5
75	Designing Plants: Modeling Ideal Shapes. Molecular Plant, 2019, 12, 130-132.	8.3	4
76	Multifaceted functions of auxin in vegetative axillary meristem initiation. Journal of Genetics and Genomics, 2020, 47, 591-594.	3.9	4
77	Visualization of cortical microtubule networks in plant cells by live imaging and immunostaining. STAR Protocols, 2021, 2, 100301.	1.2	4
78	Auxin and DORNÄ–SCHEN joint force in the shoot apex. Science China Life Sciences, 2018, 61, 867-868.	4.9	3
79	Genome-Wide Profiling of Uncapped mRNA. Methods in Molecular Biology, 2011, 876, 207-216.	0.9	2
80	Live Imaging of Arabidopsis Axillary Meristems. Methods in Molecular Biology, 2020, 2094, 59-65.	0.9	2
81	The Mechanical Feedback Theory of Leaf Lamina Formation. Trends in Plant Science, 2021, 26, 107-110.	8.8	2
82	The promise of systems biology for deciphering the control of C₄ leaf development: transcriptome profiling of leaf cell types. , 2008, , 317-332.		1
83	Meristem Biology Flourishes Under Mt. Tai. Molecular Plant, 2016, 9, 1224-1227.	8.3	0