Yuling Jiao

List of Publications by Year
in descending order

83 papers	6,386 citations	81743 39 h-index	71532 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. Nature Reviews Genetics, 2007, 8, 217-230.	7.7	892
2	Arabidopsis Regeneration from Multiple Tissues Occurs via a Root Development Pathway. Developmental Cell, 2010, 18, 463-471.	3.1	502
3	Global genome expression analysis of rice in response to drought and high-salinity stresses in shoot, flag leaf, and panicle. Plant Molecular Biology, 2007, 63, 591-608.	2.0	275
4	A transcriptome atlas of rice cell types uncovers cellular, functional and developmental hierarchies. Nature Genetics, 2009, 41, 258-263.	9.4	229
5	A Two-Step Model for de Novo Activation of <i>WUSCHEL</i> during Plant Shoot Regeneration. Plant Cell, 2017, 29, 1073-1087.	3.1	229
6	Conservation and Divergence of Light-Regulated Genome Expression Patterns during Seedling Development in Rice and Arabidopsis Â[W]. Plant Cell, 2005, 17, 3239-3256.	3.1	207
7	SKIP Is a Component of the Spliceosome Linking Alternative Splicing and the Circadian Clock in <i>Arabidopsis</i>. Plant Cell, 2012, 24, 3278-3295.	3.1	198
8	Triticum population sequencing provides insights into wheat adaptation. Nature Genetics, 2020, 52, 1412-1422.	9.4	178
9	Molecular Mechanisms of Leaf Morphogenesis. Molecular Plant, 2018, 11, 1117-1134.	3.9	171
10	The Stem Cell Niche in Leaf Axils Is Established by Auxin and Cytokinin in <i>Arabidopsis</i>. Plant Cell, 2014, 26, 2055-2067.	3.1	165
11	Organ-Specific Expression of Arabidopsis Genome during Development. Plant Physiology, 2005, 138, 80-91.	2.3	164
12	Cellâ€type specific analysis of translating RNAs in developing flowers reveals new levels of control. Molecular Systems Biology, 2010, 6, 419.	3.2	155
13	Cytokinin Signaling Activates <i>WUSCHEL</i> Expression during Axillary Meristem Initiation. Plant Cell, 2017, 29, 1373-1387.	3.1	146
14	Spatial Auxin Signaling Controls Leaf Flattening in Arabidopsis. Current Biology, 2017, 27, 2940-2950.e4.	1.8	118
15	<i><scp>AUXIN RESPONSE FACTOR</scp> 3</i> integrates the functions of <i><scp>AGAMOUS</scp></i> and <i><scp>APETALA</scp>2</i> in floral meristem determinacy. Plant Journal, 2014, 80, 629-641.	2.8	115
16	A microarray analysis of the rice transcriptome and its comparison to Arabidopsis. Genome Research, 2005, 15, 1274-1283.	2.4	112
17	Mechanical regulation of organ asymmetry in leaves. Nature Plants, 2017, 3, 724-733.	4.7	110
18	A Genome-Wide Analysis of Blue-Light Regulation of Arabidopsis Transcription Factor Gene Expression during Seedling Development Â. Plant Physiology, 2003, 133, 1480-1493.	2.3	108

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19	The Molecular Mechanism of Ethylene-Mediated Root Hair Development Induced by Phosphate Starvation. PLoS Genetics, 2016, 12, e1006194.	1.5	108
20	An organ boundaryâ€enriched gene regulatory network uncovers regulatory hierarchies underlying axillary meristem initiation. Molecular Systems Biology, 2014, 10, 755.	3.2	98
21	A gene expression map of shoot domains reveals regulatory mechanisms. Nature Communications, 2019, 10, 141.	5.8	96
22	An AT-hook gene is required for palea formation and floral organ number control in rice. Developmental Biology, 2011, 359, 277-288.	0.9	94
23	Transcriptome Association Identifies Regulators of Wheat Spike Architecture. Plant Physiology, 2017, 175, 746-757.	2.3	94
24	Two-Step Regulation of a Meristematic Cell Population Acting in Shoot Branching in Arabidopsis. PLoS Genetics, 2016, 12, e1006168.	1.5	91
25	AUXIN RESPONSE FACTOR3 Regulates Floral Meristem Determinacy by Repressing Cytokinin Biosynthesis and Signaling. Plant Cell, 2018, 30, 324-346.	3.1	89
26	Auxin depletion from leaf primordia contributes to organ patterning. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18769-18774.	3.3	88
27	Cytokinin pathway mediates <i>APETALA1</i> function in the establishment of determinate floral meristems in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6840-6845.	3.3	87
28	Axillary meristem initiation â€" a way to branch out. Current Opinion in Plant Biology, 2018, 41, 61-66.	3.5	81
29	Regulation of inflorescence architecture by cytokinins. Frontiers in Plant Science, 2014, 5, 669.	1.7	79
30	Suppression of Photosynthetic Gene Expression in Roots Is Required for Sustained Root Growth under Phosphate Deficiency Â Â. Plant Physiology, 2014, 165, 1156-1170.	2.3	71
31	Microtubule-Mediated Wall Anisotropy Contributes to Leaf Blade Flattening. Current Biology, 2020, 30, 3972-3985.e6.	1.8	69
32	Transcriptome-Wide Analysis of Uncapped mRNAs in <i>Arabidopsis</i> Reveals Regulation of mRNA Degradation. Plant Cell, 2008, 20, 2571-2585.	3.1	64
33	Feedback from Lateral Organs Controls Shoot Apical Meristem Growth by Modulating Auxin Transport. Developmental Cell, 2018, 44, 204-216.e6.	3.1	62
34	Auxin and above-ground meristems. Journal of Experimental Botany, 2018, 69, 147-154.	2.4	57
35	A Tiling Microarray Expression Analysis of Rice Chromosome 4 Suggests a Chromosome-Level Regulation of Transcription. Plant Cell, 2005, 17, 1641-1657.	3.1	56
36	The Diverse Roles of Auxin in Regulating Leaf Development. Plants, 2019, 8, 243.	1.6	52

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37	Regulation of Axillary Meristem Initiation by Transcription Factors and Plant Hormones. Frontiers in Plant Science, 2016, 7, 183.	1.7	49
38	A genome-wide transcriptional activity survey of rice transposable element-related genes. Genome Biology, 2007, 8, R28.	13.9	47
39	Stochastic gene expression drives mesophyll protoplast regeneration. Science Advances, 2021, 7, .	4.7	44
40	Transcriptome Survey of the Contribution of Alternative Splicing to Proteome Diversity in Arabidopsis thaliana. Molecular Plant, 2016, 9, 749-752.	3.9	43
41	What is quantitative plant biology?. Quantitative Plant Biology, 2021, 2, .	0.8	43
42	Model for the role of auxin polar transport in patterning of the leaf adaxialâ€“abaxial axis. Plant Journal, 2017, 92, 469-480.	2.8	35
43	A near-complete assembly of an Arabidopsis thaliana genome. Molecular Plant, 2022, 15, 1247-1250.	3.9	35
44	Vision, challenges and opportunities for a Plant Cell Atlas. ELife, 2021, 10, .	2.8	31
45	A Self-Activation Loop Maintains Meristematic Cell Fate for Branching. Current Biology, 2020, 30, 1893-1904.e4.	1.8	30
46	Advances and applications of singleâ€cell omics technologies in plant research. Plant Journal, 2022, 110, 1551-1563.	2.8	27
47	Distinct reorganization of the genome transcription associates with organogenesis of somatic embryo, shoots, and roots in rice. Plant Molecular Biology, 2007, 63, 337-349.	2.0	26
48	Flower Development: Open Questions and Future Directions. Methods in Molecular Biology, 2014, 1110, 103-124.	0.4	26
49	Spatiotemporal control of axillary meristem formation by interacting transcriptional regulators. Development (Cambridge), 2018, 145, .	1.2	25
50	Asynchrony of ovule primordia initiation in<i>Arabidopsis</i>. Development (Cambridge), 2020, 147, .	1.2	25
51	Dynamic patterns of gene expression during leaf initiation. Journal of Genetics and Genomics, 2017, 44, 599-601.	1.7	23
52	A crosstalk between auxin and brassinosteroid regulates leaf shape by modulating growth anisotropy. Molecular Plant, 2021, 14, 949-962.	3.9	23
53	Improving bread wheat yield through modulating an unselected AP2/ERF gene. Nature Plants, 2022, 8, 930-939.	4.7	23
54	Leaflet initiation and blade expansion are separable in compound leaf development. Plant Journal, 2020, 104, 1073-1087.	2.8	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.	3.1	22
56	Single-cell transcriptome analysis reveals widespread monoallelic gene expression in individual rice mesophyll cells. Science Bulletin, 2017, 62, 1304-1314.	4.3	21
57	Plant multiscale networks: charting plant connectivity by multi-level analysis and imaging techniques. Science China Life Sciences, 2021, 64, 1392-1422.	2.3	21
58	Mechanical control of plant morphogenesis: concepts and progress. Current Opinion in Plant Biology, 2020, 57, 16-23.	3.5	20
59	A systems approach to understand shoot branching. Current Plant Biology, 2015, 3-4, 13-19.	2.3	14
60	Control of cell fate during axillary meristem initiation. Cellular and Molecular Life Sciences, 2020, 77, 2343-2354.	2.4	14
61	The <i>35S</i> promoterâ€driven mDII auxin control sensor is uniformly distributed in leaf primordia. Journal of Integrative Plant Biology, 2019, 61, 1114-1120.	4.1	13
62	Next-Generation Sequencing Applied to Flower Development: RNA-Seq. Methods in Molecular Biology, 2014, 1110, 401-411.	0.4	12
63	Translating Ribosome Affinity Purification (TRAP) for Cell-Specific Translation Profiling in Developing Flowers. Methods in Molecular Biology, 2014, 1110, 323-328.	0.4	10
64	Epidermal restriction confers robustness to organ shapes. Journal of Integrative Plant Biology, 2020, 62, 1853-1867.	4.1	9
65	Coactivation of antagonistic genes stabilizes polarity patterning during shoot organogenesis. Science Advances, 2022, 8, .	4.7	9
66	Cellulose Microfibril-Mediated Directional Plant Cell Expansion: Gas and Brake. Molecular Plant, 2020, 13, 1670-1672.	3.9	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, .	1.2	8
68	Keeping leaves in shape. Nature Plants, 2020, 6, 436-437.	4.7	8
69	<i>APETALA1</i>establishes determinate floral meristem through regulating cytokinins homeostasis in<i>Arabidopsis</i>. Plant Signaling and Behavior, 2015, 10, e989039.	1.2	7
70	Trichome Formation: Gibberellins on the Move. Plant Physiology, 2016, 170, 1174-1175.	2.3	7
71	Interplay between the shoot apical meristem and lateral organs. ABIOTECH, 2020, 1, 178-184.	1.8	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 â€˜Early shaping of a leafâ€™. Nature Plants, 2018, 4, 620-621.	4.7	5
74	May the Force Be with You: Overlooked Mechanical Signaling. Molecular Plant, 2019, 12, 464-466.	3.9	5
75	Designing Plants: Modeling Ideal Shapes. Molecular Plant, 2019, 12, 130-132.	3.9	4
76	Multifaceted functions of auxin in vegetative axillary meristem initiation. Journal of Genetics and Genomics, 2020, 47, 591-594.	1.7	4
77	Visualization of cortical microtubule networks in plant cells by live imaging and immunostaining. STAR Protocols, 2021, 2, 100301.	0.5	4
78	Auxin and DORNRÃ–SCHEN joint force in the shoot apex. Science China Life Sciences, 2018, 61, 867-868.	2.3	3
79	Genome-Wide Profiling of Uncapped mRNA. Methods in Molecular Biology, 2011, 876, 207-216.	0.4	2
80	Live Imaging of Arabidopsis Axillary Meristems. Methods in Molecular Biology, 2020, 2094, 59-65.	0.4	2
81	The Mechanical Feedback Theory of Leaf Lamina Formation. Trends in Plant Science, 2021, 26, 107-110.	4.3	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.	3.9	0