Tai-Ping Sun

List of Publications by Year
in descending order

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65 papers	14,732 citations	41344 49 h-index	114465 63 g-index
127 all docs	127 docs citations	127 times ranked	9410 citing authors

#	Article	IF	Citations
1	Gibberellin Signaling. Plant Cell, 2002, 14, S61-S80.	6.6	870
2	The Arabidopsis RGA Gene Encodes a Transcriptional Regulator Repressing the Gibberellin Signal Transduction Pathway. Plant Cell, 1998, 10, 155-169.	6.6	699
3	Plant hormone jasmonate prioritizes defense over growth by interfering with gibberellin signaling cascade. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1192-200.	7.1	697
4	Genetic Characterization and Functional Analysis of the GID1 Gibberellin Receptors in Arabidopsis Â. Plant Cell, 2007, 18, 3399-3414.	6.6	665
5	MOLECULAR MECHANISM OF GIBBERELLIN SIGNALING IN PLANTS. Annual Review of Plant Biology, 2004, 55, 197-223.	18.7	629
6	Gibberellin-induced DELLA recognition by the gibberellin receptor GID1. Nature, 2008, 456, 459-463.	27.8	594
7	Global Analysis of DELLA Direct Targets in Early Gibberellin Signaling inArabidopsis. Plant Cell, 2007, 19, 3037-3057.	6.6	572
8	Brassinosteroid, gibberellin and phytochrome impinge on a common transcription module in Arabidopsis. Nature Cell Biology, 2012, 14, 810-817.	10.3	549
9	The Arabidopsis F-Box Protein SLEEPY1 Targets Gibberellin Signaling Repressors for Gibberellin-Induced Degradation[W]. Plant Cell, 2004, 16, 1392-1405.	6.6	523
10	DELLA Proteins and Gibberellin-Regulated Seed Germination and Floral Development in Arabidopsis. Plant Physiology, 2004, 135, 1008-1019.	4.8	521
11	The ArabidopsisSLEEPY1Gene Encodes a Putative F-Box Subunit of an SCF E3 Ubiquitin Ligase[W]. Plant Cell, 2003, 15, 1120-1130.	6.6	505
12	The Molecular Mechanism and Evolution of the GAâ€“GID1â€“DELLA Signaling Module in Plants. Current Biology, 2011, 21, R338-R345.	3.9	464
13	A DELLAcate balance: the role of gibberellin in plant morphogenesis. Current Opinion in Plant Biology, 2005, 8, 77-85.	7.1	433
14	Repressing a Repressor. Plant Cell, 2001, 13, 1555-1566.	6.6	412
15	PIL5, a Phytochrome-Interacting bHLH Protein, Regulates Gibberellin Responsiveness by Binding Directly to the GAI and RGA Promoters in Arabidopsis Seeds. Plant Cell, 2007, 19, 1192-1208.	6.6	405
16	Regulation of hormone metabolism in Arabidopsis seeds: phytochrome regulation of abscisic acid metabolism and abscisic acid regulation of gibberellin metabolism. Plant Journal, 2006, 48, 354-366.	5.7	403
17	Synergistic Derepression of Gibberellin Signaling by Removing RGA and GAI Function in Arabidopsis thaliana. Genetics, 2001, 159, 777-785.	2.9	399
18	Phytochrome Regulation and Differential Expression of Gibberellin 3Î²-Hydroxylase Genes in Germinating Arabidopsis Seeds. Plant Cell, 1998, 10, 2115-2126.	6.6	330

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19	Gibberellin-GID1-DELLA: A Pivotal Regulatory Module for Plant Growth and Development. Plant Physiology, 2010, 154, 567-570.	4.8	314
20	SCARECROW-LIKE 3 promotes gibberellin signaling by antagonizing master growth repressor DELLA in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2160-2165.	7.1	302
21	Distinct and overlapping roles of two gibberellin 3-oxidases in Arabidopsis development. Plant Journal, 2006, 45, 804-818.	5.7	282
22	The New RGA Locus Encodes a Negative Regulator of Gibberellin Response in Arabidopsis thaliana. Genetics, 1997, 146, 1087-1099.	2.9	262
23	Developmental regulation of the gibberellin biosynthetic gene GA1 in Arabidopsis thaliana. Plant Journal, 1997, 12, 9-19.	5.7	210
24	Potential Sites of Bioactive Gibberellin Production during Reproductive Growth in Arabidopsis Â. Plant Cell, 2008, 20, 320-336.	6.6	209
25	Gibberellin Metabolism, Perception and Signaling Pathways in Arabidopsis. The Arabidopsis Book, 2008, 6, e0103.	0.5	207
26	The GA2 Locus of Arabidopsis thalianaEncodes ent-Kaurene Synthase of Gibberellin Biosynthesis. Plant Physiology, 1998, 116, 1271-1278.	4.8	197
27	Phytochrome Regulation and Differential Expression of Gibberellin 3b-Hydroxylase Genes in Germinating Arabidopsis Seeds. Plant Cell, 1998, 10, 2115.	6.6	185
28	Rapid and orthogonal logic gating with a gibberellin-induced dimerization system. Nature Chemical Biology, 2012, 8, 465-470.	8.0	183
29	Update on Gibberellin Signaling. A Tale of the Tall and the Short. Plant Physiology, 2004, 135, 668-676.	4.8	158
30	Distinct cell-specific expression patterns of early and late gibberellin biosynthetic genes during Arabidopsis seed germination. Plant Journal, 2002, 28, 443-453.	5.7	156
31	Functional Analysis of SPINDLY in Gibberellin Signaling in Arabidopsis. Plant Physiology, 2007, 143, 987-1000.	4.8	146
32	Proteolysis-Independent Downregulation of DELLA Repression inArabidopsisby the Gibberellin Receptor GIBBERELLIN INSENSITIVE DWARF1. Plant Cell, 2008, 20, 2447-2459.	6.6	144
33	Arabidopsis CAND1, an Unmodified CUL1-Interacting Protein, Is Involved in Multiple Developmental Pathways Controlled by Ubiquitin/Proteasome-Mediated Protein Degradation. Plant Cell, 2004, 16, 1870-1882.	6.6	135
34	The Arabidopsis O-fucosyltransferase SPINDLY activates nuclear growth repressor DELLA. Nature Chemical Biology, 2017, 13, 479-485.	8.0	130
35	The Interaction between DELLA and ARF/IAA Mediates Crosstalk between Gibberellin and Auxin Signaling to Control Fruit Initiation in Tomato. Plant Cell, 2018, 30, 1710-1728.	6.6	129
36	Hypocotyl Transcriptome Reveals Auxin Regulation of Growth-Promoting Genes through GA-Dependent and -Independent Pathways. PLoS ONE, 2012, 7, e36210.	2.5	127

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37	Overexpression of AtCPS and AtKS in Arabidopsis Confers Increased ent-Kaurene Production But No Increase in Bioactive Gibberellins. Plant Physiology, 2003, 132, 830-839.	4.8	119
38	Leaf-Induced Gibberellin Signaling Is Essential for Internode Elongation, Cambial Activity, and Fiber Differentiation in Tobacco Stems Â. Plant Cell, 2012, 24, 66-79.	6.6	117
39	The LS locus of pea encodes the gibberellin biosynthesis enzyme ent-kaurene synthase A. Plant Journal, 1997, 11, 443-454.	5.7	104
40	The Arabidopsis GA1 Locus Encodes the Cyclase ent-Kaurene Synthetase A of Gibberellin Biosynthesis. Plant Cell, 1994, 6, 1509.	6.6	102
41	O-GlcNAcylation of master growth repressor DELLA by SECRET AGENT modulates multiple signaling pathways in Arabidopsis. Genes and Development, 2016, 30, 164-176.	5.9	101
42	Gibberellins and the Green Revolution. Trends in Plant Science, 2000, 5, 1-2.	8.8	100
43	Gibberellin signal transduction. Current Opinion in Plant Biology, 2000, 3, 374-380.	7.1	97
44	Cloning the Arabidopsis GA1 Locus by Genomic Subtraction. Plant Cell, 1992, 4, 119.	6.6	94
45	The ERF11 Transcription Factor Promotes Internode Elongation by Activating Gibberellin Biosynthesis and Signaling. Plant Physiology, 2016, 171, 2760-2770.	4.8	80
46	A Novel Dwarfing Mutation in a Green Revolution Gene from Brassica rapa. Plant Physiology, 2005, 137, 931-938.	4.8	77
47	Role of the gibberellin receptors <scp>GID</scp>1 during fruitâ€set in Arabidopsis. Plant Journal, 2014, 79, 1020-1032.	5.7	68
48	Structure of the SHRâ€“SCR heterodimer bound to the BIRD/IDD transcriptional factor JKD. Nature Plants, 2017, 3, 17010.	9.3	65
49	Gibberellin Signaling Requires Chromatin Remodeler PICKLE to Promote Vegetative Growth and Phase Transitions. Plant Physiology, 2017, 173, 1463-1474.	4.8	55
50	Regulation and cellular localization of ent-kaurene synthesis. Physiologia Plantarum, 1997, 101, 701-708.	5.2	44
51	The Arabidopsis RGA Gene Encodes a Transcriptional Regulator Repressing the Gibberellin Signal Transduction Pathway. Plant Cell, 1998, 10, 155.	6.6	43
52	Plasmonic Nanoprobes for in Vivo Multimodal Sensing and Bioimaging of MicroRNA within Plants. ACS Applied Materials & Interfaces, 2019, 11, 7743-7754.	8.0	42
53	Isolation and Characterization ofcul1-7, a Recessive Allele ofCULLIN1That Disrupts SCF Function at the C Terminus of CUL1 inArabidopsis thaliana. Genetics, 2009, 181, 945-963.	2.9	41
54	Nuclear Localized O-Fucosyltransferase SPY Facilitates PRR5 Proteolysis to Fine-Tune the Pace of Arabidopsis Circadian Clock. Molecular Plant, 2020, 13, 446-458.	8.3	41

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55	NCP activates chloroplast transcription by controlling phytochrome-dependent dual nuclear and plastidial switches. Nature Communications, 2019, 10, 2630.	12.8	38
56	Identification and functional study of a mild allele of SlDELLA gene conferring the potential for improved yield in tomato. Scientific Reports, 2018, 8, 12043.	3.3	37
57	Functional characterization and developmental expression profiling of gibberellin signalling components in Vitis vinifera. Journal of Experimental Botany, 2015, 66, 1463-1476.	4.8	36
58	Inverse Molecular Sentinel-Integrated Fiberoptic Sensor for Direct and in Situ Detection of miRNA Targets. Analytical Chemistry, 2019, 91, 6345-6352.	6.5	31
59	Novel nucleocytoplasmic protein O-fucosylation by SPINDLY regulates diverse developmental processes in plants. Current Opinion in Structural Biology, 2021, 68, 113-121.	5.7	26
60	Characterization of cis-regulatory regions responsible for developmental regulation of the gibberellin biosynthetic gene GA1 in Arabidopsis thaliana. Plant Molecular Biology, 2002, 49, 579-589.	3.9	15
61	Regulation and cellular localization of ent-kaurene synthesis. Physiologia Plantarum, 1997, 101, 701-708.	5.2	6
62	Plasmonic Nanobiosensing: from in situ plant monitoring to cancer diagnostics at the point of care. JPhys Photonics, 2020, 2, 034012.	4.6	3
63	Sex and the single fern. Science, 2014, 346, 423-424.	12.6	2
64	Cloning Arabidopsis genes by genomic subtraction. , 1992, , 331-341.		1
65	Gibberellin Perception and Signalling. Seibutsu Butsuri, 2009, 49, 200-201.	0.1	0