Tai-Ping Sun

List of Publications by Year
in descending order

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	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
2	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
3	Plasmonic Nanobiosensing: from in situ plant monitoring to cancer diagnostics at the point of care. JPhys Photonics, 2020, 2, 034012.	4.6	3
4	Plasmonic Nanoprobes for in Vivo Multimodal Sensing and Bioimaging of MicroRNA within Plants. ACS Applied Materials & Interfaces, 2019, 11, 7743-7754.	8.0	42
5	NCP activates chloroplast transcription by controlling phytochrome-dependent dual nuclear and plastidial switches. Nature Communications, 2019, 10, 2630.	12.8	38
6	Inverse Molecular Sentinel-Integrated Fiberoptic Sensor for Direct and <i>in Situ</i> Detection of miRNA Targets. Analytical Chemistry, 2019, 91, 6345-6352.	6.5	31
7	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
8	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
9	Gibberellin Signaling Requires Chromatin Remodeler PICKLE to Promote Vegetative Growth and Phase Transitions. Plant Physiology, 2017, 173, 1463-1474.	4.8	55
10	Structure of the SHRâ€"SCR heterodimer bound to the BIRD/IDD transcriptional factor JKD. Nature Plants, 2017, 3, 17010.	9.3	65
11	The Arabidopsis O-fucosyltransferase SPINDLY activates nuclear growth repressor DELLA. Nature Chemical Biology, 2017, 13, 479-485.	8.0	130
12	The ERF11 Transcription Factor Promotes Internode Elongation by Activating Gibberellin Biosynthesis and Signaling. Plant Physiology, 2016, 171, 2760-2770.	4.8	80
13	<i>O</i>-GlcNAcylation of master growth repressor DELLA by SECRET AGENT modulates multiple signaling pathways in <i>Arabidopsis</i>. Genes and Development, 2016, 30, 164-176.	5.9	101
14	Functional characterization and developmental expression profiling of gibberellin signalling components in Vitis vinifera. Journal of Experimental Botany, 2015, 66, 1463-1476.	4.8	36
15	Sex and the single fern. Science, 2014, 346, 423-424.	12.6	2
16	Role of the gibberellin receptors <scp>GID</scp>1 during fruitâ€set in Arabidopsis. Plant Journal, 2014, 79, 1020-1032.	5.7	68
17	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
18	Brassinosteroid, gibberellin and phytochrome impinge on a common transcription module in Arabidopsis. Nature Cell Biology, 2012, 14, 810-817.	10.3	549

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19	Hypocotyl Transcriptome Reveals Auxin Regulation of Growth-Promoting Genes through GA-Dependent and -Independent Pathways. PLoS ONE, 2012, 7, e36210.	2.5	127
20	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
21	Rapid and orthogonal logic gating with a gibberellin-induced dimerization system. Nature Chemical Biology, 2012, 8, 465-470.	8.0	183
22	The Molecular Mechanism and Evolution of the GAâ€“GID1â€“DELLA Signaling Module in Plants. Current Biology, 2011, 21, R338-R345.	3.9	464
23	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
24	Gibberellin-GID1-DELLA: A Pivotal Regulatory Module for Plant Growth and Development. Plant Physiology, 2010, 154, 567-570.	4.8	314
25	Isolation and Characterization of<i>cul1-7</i>, a Recessive Allele of<i>CULLIN1</i>That Disrupts SCF Function at the C Terminus of CUL1 in<i>Arabidopsis thaliana</i>. Genetics, 2009, 181, 945-963.	2.9	41
26	Gibberellin Perception and Signalling. Seibutsu Butsuri, 2009, 49, 200-201.	0.1	0
27	Gibberellin-induced DELLA recognition by the gibberellin receptor GID1. Nature, 2008, 456, 459-463.	27.8	594
28	Proteolysis-Independent Downregulation of DELLA Repression in<i>Arabidopsis</i>by the Gibberellin Receptor GIBBERELLIN INSENSITIVE DWARF1. Plant Cell, 2008, 20, 2447-2459.	6.6	144
29	Potential Sites of Bioactive Gibberellin Production during Reproductive Growth in <i>Arabidopsis</i> Â. Plant Cell, 2008, 20, 320-336.	6.6	209
30	Gibberellin Metabolism, Perception and Signaling Pathways in Arabidopsis. The Arabidopsis Book, 2008, 6, e0103.	0.5	207
31	Global Analysis of DELLA Direct Targets in Early Gibberellin Signaling in<i>Arabidopsis</i>. Plant Cell, 2007, 19, 3037-3057.	6.6	572
32	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
33	Functional Analysis of SPINDLY in Gibberellin Signaling in Arabidopsis. Plant Physiology, 2007, 143, 987-1000.	4.8	146
34	Genetic Characterization and Functional Analysis of the GID1 Gibberellin Receptors in Arabidopsis Â. Plant Cell, 2007, 18, 3399-3414.	6.6	665
35	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
36	Distinct and overlapping roles of two gibberellin 3-oxidases in Arabidopsis development. Plant Journal, 2006, 45, 804-818.	5.7	282

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37	A DELLAcate balance: the role of gibberellin in plant morphogenesis. Current Opinion in Plant Biology, 2005, 8, 77-85.	7.1	433
38	A Novel Dwarfing Mutation in a Green Revolution Gene from Brassica rapa. Plant Physiology, 2005, 137, 931-938.	4.8	77
39	Update on Gibberellin Signaling. A Tale of the Tall and the Short. Plant Physiology, 2004, 135, 668-676.	4.8	158
40	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
41	The Arabidopsis F-Box Protein SLEEPY1 Targets Gibberellin Signaling Repressors for Gibberellin-Induced Degradation[W]. Plant Cell, 2004, 16, 1392-1405.	6.6	523
42	DELLA Proteins and Gibberellin-Regulated Seed Germination and Floral Development in Arabidopsis. Plant Physiology, 2004, 135, 1008-1019.	4.8	521
43	MOLECULAR MECHANISM OF GIBBERELLIN SIGNALING IN PLANTS. Annual Review of Plant Biology, 2004, 55, 197-223.	18.7	629
44	The ArabidopsisSLEEPY1Gene Encodes a Putative F-Box Subunit of an SCF E3 Ubiquitin Ligase[W]. Plant Cell, 2003, 15, 1120-1130.	6.6	505
45	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
46	Gibberellin Signaling. Plant Cell, 2002, 14, S61-S80.	6.6	870
47	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
48	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
49	Repressing a Repressor. Plant Cell, 2001, 13, 1555-1566.	6.6	412
50	Synergistic Derepression of Gibberellin Signaling by Removing RGA and GAI Function in <i>Arabidopsis thaliana</i>. Genetics, 2001, 159, 777-785.	2.9	399
51	Gibberellin signal transduction. Current Opinion in Plant Biology, 2000, 3, 374-380.	7.1	97
52	Gibberellins and the Green Revolution. Trends in Plant Science, 2000, 5, 1-2.	8.8	100
53	The Arabidopsis RGA Gene Encodes a Transcriptional Regulator Repressing the Gibberellin Signal Transduction Pathway. Plant Cell, 1998, 10, 155-169.	6.6	699
54	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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55	The GA2 Locus of Arabidopsis thalianaEncodes ent-Kaurene Synthase of Gibberellin Biosynthesis. Plant Physiology, 1998, 116, 1271-1278.	4.8	197
56	Phytochrome Regulation and Differential Expression of Gibberellin 3b-Hydroxylase Genes in Germinating Arabidopsis Seeds. Plant Cell, 1998, 10, 2115.	6.6	185
57	The Arabidopsis RGA Gene Encodes a Transcriptional Regulator Repressing the Gibberellin Signal Transduction Pathway. Plant Cell, 1998, 10, 155.	6.6	43
58	Regulation and cellular localization of ent-kaurene synthesis. Physiologia Plantarum, 1997, 101, 701-708.	5.2	44
59	The LS locus of pea encodes the gibberellin biosynthesis enzyme ent-kaurene synthase A. Plant Journal, 1997, 11, 443-454.	5.7	104
60	Developmental regulation of the gibberellin biosynthetic gene GA1 in Arabidopsis thaliana. Plant Journal, 1997, 12, 9-19.	5.7	210
61	Regulation and cellular localization of ent-kaurene synthesis. Physiologia Plantarum, 1997, 101, 701-708.	5.2	6
62	The New <i>RGA</i> Locus Encodes a Negative Regulator of Gibberellin Response in <i>Arabidopsis thaliana</i>. Genetics, 1997, 146, 1087-1099.	2.9	262
63	The Arabidopsis GA1 Locus Encodes the Cyclase ent-Kaurene Synthetase A of Gibberellin Biosynthesis. Plant Cell, 1994, 6, 1509.	6.6	102
64	Cloning the Arabidopsis GA1 Locus by Genomic Subtraction. Plant Cell, 1992, 4, 119.	6.6	94
65	Cloning Arabidopsis genes by genomic subtraction. , 1992, , 331-341.		1