Daoxin Xie

List of Publications by Year in descending order

91 papers	11,424 citations	31902 53 h-index	48187 88 g-index
91 all docs	91 docs citations	91 times ranked	10533 citing authors

#	Article	IF	Citations
1	Rice functional genomics: decadesâ€™ efforts and roads ahead. Science China Life Sciences, 2022, 65, 33-92.	2.3	107
2	HbCOI1 perceives jasmonate to trigger signal transduction in Hevea brasiliensis. Tree Physiology, 2021, 41, 460-471.	1.4	7
3	Control of seed size by jasmonate. Science China Life Sciences, 2021, 64, 1215-1226.	2.3	33
4	Strigolactone mimic 2â€nitrodebranone is highly active in Arabidopsis growth and development. Plant Journal, 2021, 107, 67-76.	2.8	8
5	Isoleucine Enhances Plant Resistance Against Botrytis cinerea via Jasmonate Signaling Pathway. Frontiers in Plant Science, 2021, 12, 628328.	1.7	14
6	Molecular basis for high ligand sensitivity and selectivity of strigolactone receptors in Striga. Plant Physiology, 2021, 185, 1411-1428.	2.3	32
7	The DELLA proteins interact with MYB21 and MYB24 to regulate filament elongation in Arabidopsis. BMC Plant Biology, 2020, 20, 64.	1.6	21
8	Arabidopsis EED1 encoding a plant-specific nuclear protein is essential for early embryogenesis. Journal of Genetics and Genomics, 2020, 47, 61-64.	1.7	0
9	Light promotes jasmonate biosynthesis to regulate photomorphogenesis in Arabidopsis. Science China Life Sciences, 2020, 63, 943-952.	2.3	20
10	Jasmonate action in plant defense against insects. Journal of Experimental Botany, 2019, 70, 3391-3400.	2.4	127
11	POSTAR2: deciphering the post-transcriptional regulatory logics. Nucleic Acids Research, 2019, 47, D203-D211.	6.5	145
12	Injury Activates Ca2+/Calmodulin-Dependent Phosphorylation of JAV1-JAZ8-WRKY51 Complex for Jasmonate Biosynthesis. Molecular Cell, 2018, 70, 136-149.e7.	4.5	191
13	Metagenomic DNA Extraction of Natural Cellulose-Degrading Consortia. Bioenergy Research, 2018, 11, 115-122.	2.2	3
14	Rice DWARF14 acts as an unconventional hormone receptor for strigolactone. Journal of Experimental Botany, 2018, 69, 2355-2365.	2.4	40
15	Arabidopsis ARGONAUTE 1 Binds Chromatin to Promote Gene Transcription in Response to Hormones and Stresses. Developmental Cell, 2018, 44, 348-361.e7.	3.1	121
16	Arabidopsis ENOR3 regulates RNAi-mediated antiviral defense. Journal of Genetics and Genomics, 2018, 45, 33-40.	1.7	20
17	Recent advances in molecular basis for strigolactone action. Science China Life Sciences, 2018, 61, 277-284.	2.3	30
18	Variation in the regulatory region of <scp>FZP</scp> causes increases in secondary inflorescence branching and grain yield in rice domestication. Plant Journal, 2018, 96, 716-733.	2.8	65

#	Article	IF	Citations
19	Dynamic Perception of Jasmonates by the F-Box Protein COI1. Molecular Plant, 2018, 11, 1237-1247.	3.9	61
20	Irreversible strigolactone recognition: a non-canonical mechanism for hormone perception. Current Opinion in Plant Biology, 2018, 45, 155-161.	3.5	20
21	Viral effector protein manipulates host hormone signaling to attract insect vectors. Cell Research, 2017, 27, 402-415.	5.7	115
22	ShHTL7 is a non-canonical receptor for strigolactones in root parasitic weeds. Cell Research, 2017, 27, 838-841.	5.7	71
23	MYC5 is Involved in Jasmonate-Regulated Plant Growth, Leaf Senescence and Defense Responses. Plant and Cell Physiology, 2017, 58, 1752-1763.	1.5	61
24	Simple Î²-lactones are potent irreversible antagonists for strigolactone receptors. Cell Research, 2017, 27, 1525-1528.	5.7	24
25	Efficient <scp>ASK</scp>â€assisted system for expression and purification of plant Fâ€box proteins. Plant Journal, 2017, 92, 736-743.	2.8	15
26	GDP-D-mannose epimerase regulates male gametophyte development, plant growth and leaf senescence in Arabidopsis. Scientific Reports, 2017, 7, 10309.	1.6	25
27	NOG1 increases grain production in rice. Nature Communications, 2017, 8, 1497.	5.8	111
28	Arabidopsis ALA1 and ALA2 Mediate RNAi-Based Antiviral Immunity. Frontiers in Plant Science, 2017, 8, 422.	1.7	27
29	Arabidopsis MYB24 Regulates Jasmonate-Mediated Stamen Development. Frontiers in Plant Science, 2017, 8, 1525.	1.7	59
30	Jasmonates. , 2017, , 243-272.		15
31	Effect of GR24 Stereoisomers on Plant Development in Arabidopsis. Molecular Plant, 2016, 9, 1432-1435.	3.9	25
32	DWARF14 is a non-canonical hormone receptor for strigolactone. Nature, 2016, 536, 469-473.	13.7	399
33	GAD1 Encodes a Secreted Peptide That Regulates Grain Number, Grain Length, and Awn Development in Rice Domestication. Plant Cell, 2016, 28, 2453-2463.	3.1	115
34	Endogenous Bioactive Jasmonate Is Composed of a Set of (+)-7-iso-JA-Amino Acid Conjugates. Plant Physiology, 2016, 172, 2154-2164.	2.3	73
35	CLCuMuB Î²C1 Subverts Ubiquitination by Interacting with NbSKP1s to Enhance Geminivirus Infection in Nicotiana benthamiana. PLoS Pathogens, 2016, 12, e1005668.	2.1	93
36	Jasmonate in plant defence: sentinel or double agent?. Plant Biotechnology Journal, 2015, 13, 1233-1240.	4.1	136

#	Article	IF	Citations
37	<scp>PAY</scp>1 improves plant architecture and enhances grain yield in rice. Plant Journal, 2015, 83, 528-536.	2.8	87
38	Regulation of Jasmonate-Mediated Stamen Development and Seed Production by a bHLH-MYB Complex in Arabidopsis. Plant Cell, 2015, 27, 1620-1633.	3.1	229
39	Regulation of Jasmonate-Induced Leaf Senescence by Antagonism between bHLH Subgroup IIIe and IIId Factors in Arabidopsis. Plant Cell, 2015, 27, 1634-1649.	3.1	247
40	<scp>TOND1</scp> confers tolerance to nitrogen deficiency in rice. Plant Journal, 2015, 81, 367-376.	2.8	57
41	Identification and expression profile analysis of the protein kinase gene superfamily in maize development. Molecular Breeding, 2014, 33, 155-172.	1.0	43
42	Amino acid substitutions of GLY98, LEU245 and GLU543 in COI1 distinctively affect jasmonate-regulated male fertility in Arabidopsis. Science China Life Sciences, 2014, 57, 145-154.	2.3	20
43	Jasmonate signaling and crosstalk with gibberellin and ethylene. Current Opinion in Plant Biology, 2014, 21, 112-119.	3.5	191
44	Global gene expression analysis of a rice high-tillering dwarf mutant. Genes and Genomics, 2014, 36, 485-496.	0.5	0
45	Arabidopsis DELLA and JAZ Proteins Bind the WD-Repeat/bHLH/MYB Complex to Modulate Gibberellin and Jasmonate Signaling Synergy Â. Plant Cell, 2014, 26, 1118-1133.	3.1	202
46	Interaction between MYC2 and ETHYLENE INSENSITIVE3 Modulates Antagonism between Jasmonate and Ethylene Signaling inArabidopsisÂ Â. Plant Cell, 2014, 26, 263-279.	3.1	309
47	Regulation of Stamen Development by Coordinated Actions of Jasmonate, Auxin, and Gibberellin in Arabidopsis. Molecular Plant, 2013, 6, 1065-1073.	3.9	119
48	Genome-scale evolution and phylodynamics of H5N1 influenza virus in China during 1996â€“2012. Veterinary Microbiology, 2013, 167, 383-393.	0.8	16
49	Modified Bimolecular Fluorescence Complementation Assay to Study the Inhibition of Transcription Complex Formation by JAZ Proteins. Methods in Molecular Biology, 2013, 1011, 187-197.	0.4	4
50	JAV1 Controls Jasmonate-Regulated Plant Defense. Molecular Cell, 2013, 50, 504-515.	4.5	146
51	The bHLH Subgroup IIId Factors Negatively Regulate Jasmonate-Mediated Plant Defense and Development. PLoS Genetics, 2013, 9, e1003653.	1.5	237
52	TheArabidopsisF-Box Protein CORONATINE INSENSITIVE1 Is Stabilized by SCFCOI1 and Degraded via the 26S Proteasome Pathway Â. Plant Cell, 2013, 25, 486-498.	3.1	107
53	Disruption of Fumarylacetoacetate Hydrolase Causes Spontaneous Cell Death under Short-Day Conditions in Arabidopsis. Plant Physiology, 2013, 162, 1956-1964.	2.3	51
54	Argonaute protein as a linker to command center of physiological processes. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2013, 25, 430-41.	0.7	6

#	Article	IF	Citations
55	Genome-Wide Analysis of bZIP-Encoding Genes in Maize. DNA Research, 2012, 19, 463-476.	1.5	262
56	Multiple-strategy analyses of ZmWRKY subgroups and functional exploration of ZmWRKY genes in pathogen responses. Molecular BioSystems, 2012, 8, 1940.	2.9	17
57	Evolution and adaptation of hemagglutinin gene of human H5N1 influenza virus. Virus Genes, 2012, 44, 450-458.	0.7	21
58	Global Analysis of Nonâ€coding Small RNAs in Arabidopsis in Response to Jasmonate Treatment by Deep Sequencing Technology. Journal of Integrative Plant Biology, 2012, 54, 73-86.	4.1	18
59	Comparison of phytohormone signaling mechanisms. Current Opinion in Plant Biology, 2012, 15, 84-91.	3.5	135
60	TH1, a DUF640 domain-like gene controls lemma and palea development in rice. Plant Molecular Biology, 2012, 78, 351-359.	2.0	50
61	Characterization of a novel high-tillering dwarf 3 mutant in rice. Journal of Genetics and Genomics, 2011, 38, 411-418.	1.7	21
62	RNA-Seq of the xylose-fermenting yeast Scheffersomyces stipitis cultivated in glucose or xylose. Applied Microbiology and Biotechnology, 2011, 92, 1237-1249.	1.7	30
63	The Jasmonate-ZIM Domain Proteins Interact with the R2R3-MYB Transcription Factors MYB21 and MYB24 to Affect Jasmonate-Regulated Stamen Development in Arabidopsis Â Â. Plant Cell, 2011, 23, 1000-1013.	3.1	502
64	The bHLH Transcription Factor MYC3 Interacts with the Jasmonate ZIM-Domain Proteins to Mediate Jasmonate Response in Arabidopsis. Molecular Plant, 2011, 4, 279-288.	3.9	236
65	The Jasmonate-ZIM-Domain Proteins Interact with the WD-Repeat/bHLH/MYB Complexes to Regulate Jasmonate-Mediated Anthocyanin Accumulation and Trichome Initiation inArabidopsis thalianaÂ Â. Plant Cell, 2011, 23, 1795-1814.	3.1	743
66	The Role of Arabidopsis Rubisco Activase in Jasmonate-Induced Leaf Senescence Â. Plant Physiology, 2011, 155, 751-764.	2.3	159
67	Design and synthesis of biotin-tagged photoaffinity probes of jasmonates. Bioorganic and Medicinal Chemistry, 2010, 18, 3012-3019.	1.4	8
68	Proteomics Study of COI1â€regulated Proteins in Arabidopsis Flower. Journal of Integrative Plant Biology, 2010, 52, 410-419.	4.1	17
69	Brassinosteroid negatively regulates jasmonate inhibition of root growth in Arabidopsis. Plant Signaling and Behavior, 2010, 5, 140-142.	1.2	25
70	The genuine ligand of a jasmonic acid receptor. Plant Signaling and Behavior, 2010, 5, 337-340.	1.2	23
71	The Effect of the Crosstalk between Photoperiod and Temperature on the Heading-Date in Rice. PLoS ONE, 2009, 4, e5891.	1.1	57
72	Gibberellin Acts through Jasmonate to Control the Expression of MYB21, MYB24, and MYB57 to Promote Stamen Filament Growth in Arabidopsis. PLoS Genetics, 2009, 5, e1000440.	1.5	357

#	Article	IF	Citations
73	A Leaky Mutation in DWARF4 Reveals an Antagonistic Role of Brassinosteroid in the Inhibition of Root Growth by Jasmonate in Arabidopsis. Plant Physiology, 2009, 151, 1412-1420.	2.3	101
74	The Arabidopsis CORONATINE INSENSITIVE1 Protein Is a Jasmonate Receptor Â. Plant Cell, 2009, 21, 2220-2236.	3.1	660
75	Molecular mechanism for jasmonate-induction of anthocyanin accumulation in Arabidopsis. Journal of Experimental Botany, 2009, 60, 3849-3860.	2.4	287
76	Control of a key transition from prostrate to erect growth in rice domestication. Nature Genetics, 2008, 40, 1360-1364.	9.4	411
77	TAC1, a major quantitative trait locus controlling tiller angle in rice. Plant Journal, 2007, 52, 891-898.	2.8	281
78	Jasmonate Signal Pathway in Arabidopsis. Journal of Integrative Plant Biology, 2007, 49, 81-86.	4.1	21
79	Origin of seed shattering in rice (Oryza sativa L.). Planta, 2007, 226, 11-20.	1.6	215
80	GmCOI1, a Soybean F-Box Protein Gene, Shows Ability to Mediate Jasmonate-Regulated Plant Defense and Fertility in Arabidopsis. Molecular Plant-Microbe Interactions, 2005, 18, 1285-1295.	1.4	50
81	Point mutations in Arabidopsis Cullin1 reveal its essential role in jasmonate response. Plant Journal, 2005, 42, 514-524.	2.8	88
82	Viral Virulence Protein Suppresses RNA Silencingâ€“Mediated Defense but Upregulates the Role of MicroRNA in Host Gene Expression[W]. Plant Cell, 2004, 16, 1302-1313.	3.1	220
83	The Arabidopsis Mutant sleepy1gar2-1 Protein Promotes Plant Growth by Increasing the Affinity of the SCFSLY1 E3 Ubiquitin Ligase for DELLA Protein Substrates[W]. Plant Cell, 2004, 16, 1406-1418.	3.1	244
84	The ASK1 and ASK2 Genes Are Essential for Arabidopsis Early Development. Plant Cell, 2004, 16, 5-20.	3.1	117
85	Regulation of Flower Development in Arabidopsis by SCF Complexes. Plant Physiology, 2004, 134, 1574-1585.	2.3	69
86	COS1: An Arabidopsis coronatine insensitive1 Suppressor Essential for Regulation of Jasmonate-Mediated Plant Defense and Senescence. Plant Cell, 2004, 16, 1132-1142.	3.1	163
87	The COP9 Signalosome Interacts Physically with SCFCOI1 and Modulates Jasmonate Responses. Plant Cell, 2003, 15, 1083-1094.	3.1	198
88	The SCFCOI1 Ubiquitin-Ligase Complexes Are Required for Jasmonate Response in Arabidopsis. Plant Cell, 2002, 14, 1919-1935.	3.1	600
89	The AtRbx1 Protein Is Part of Plant SCF Complexes, and Its Down-regulation Causes Severe Growth and Developmental Defects. Journal of Biological Chemistry, 2002, 277, 50069-50080.	1.6	59
90	COI1 links jasmonate signalling and fertility to the SCF ubiquitin-ligase complex inArabidopsis. Plant Journal, 2002, 32, 457-466.	2.8	401

#	Article	IF	Citations
91	An Arabidopsis mutant cex1 exhibits constant accumulation of jasmonate-regulated AtVSP , Thi2.1 and PDF1.2. FEBS Letters, 2001, 494, 161-164.	1.3	58