Shuhua Yang

List of Publications by Year
in descending order

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72 papers	9,949 citations	44069 48 h-index	85541 71 g-index
73 all docs	73 docs citations	73 times ranked	7491 citing authors

#	Article	IF	Citations
1	Cold responses in rice: From physiology to molecular biology. Journal of Plant Physiology, 2022, 269, 153602.	3.5	5
2	Integration of light and temperature signaling pathways in plants. Journal of Integrative Plant Biology, 2022, 64, 393-411.	8.5	25
3	Rice functional genomics: decadesâ€™ efforts and roads ahead. Science China Life Sciences, 2022, 65, 33-92.	4.9	107
4	BAK1 plays contrasting roles in regulating abscisic acidâ€induced stomatal closure and abscisic acidâ€inhibited primary root growth in Arabidopsis. Journal of Integrative Plant Biology, 2022, 64, 1264-1280.	8.5	18
5	Drought meets SWEET. Nature Plants, 2022, 8, 25-26.	9.3	6
6	Phosphorylation of the plasma membrane H+-ATPase AHA2 by BAK1 is required for ABA-induced stomatal closure in Arabidopsis. Plant Cell, 2022, 34, 2708-2729.	6.6	40
7	Surviving and thriving: How plants perceive and respond to temperature stress. Developmental Cell, 2022, 57, 947-958.	7.0	104
8	The transcription factor bZIP68 negatively regulates cold tolerance in maize. Plant Cell, 2022, 34, 2833-2851.	6.6	42
9	RAF22, ABI1 and OST1 form a dynamic interactive network that optimizes plant growth and responses to drought stress in Arabidopsis. Molecular Plant, 2022, 15, 1192-1210.	8.3	22
10	CPK28-NLP7 module integrates cold-induced Ca ²⁺ signal and transcriptional reprogramming in Arabidopsis. Science Advances, 2022, 8, .	10.3	35
11	Arabidopsis Uâ€box E3 ubiquitin ligase PUB11 negatively regulates drought tolerance by degrading the receptorâ€like protein kinases LRR1 and KIN7. Journal of Integrative Plant Biology, 2021, 63, 494-509.	8.5	52
12	Protein kinases in plant responses to drought, salt, and cold stress. Journal of Integrative Plant Biology, 2021, 63, 53-78.	8.5	273
13	Reciprocal regulation between the negative regulator PP2CG1 phosphatase and the positive regulator OST1 kinase confers cold response in Arabidopsis. Journal of Integrative Plant Biology, 2021, 63, 1568-1587.	8.5	19
14	Groupâ€C/S1 bZIP heterodimers regulate MdIPT5b to negatively modulate drought tolerance in apple species. Plant Journal, 2021, 107, 399-417.	5.7	24
15	Stepwise selection of natural variations at CTB2 and CTB4a improves cold adaptation during domestication of japonica rice. New Phytologist, 2021, 231, 1056-1072.	7.3	30
16	The direct targets of CBFs: In cold stress response and beyond. Journal of Integrative Plant Biology, 2021, 63, 1874-1887.	8.5	68
17	The CRY2â€“COP1â€“HY5â€“BBX7/8 module regulates blue light-dependent cold acclimation in Arabidopsis. Plant Cell, 2021, 33, 3555-3573.	6.6	49
18	Natural variation in a type-A response regulator confers maize chilling tolerance. Nature Communications, 2021, 12, 4713.	12.8	63

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19	Verticillium dahliaeeffector VDAL protects MYB6 from degradation by interacting with PUB25 and PUB26 E3 ligases to enhance Verticillium wilt resistance. Plant Cell, 2021, 33, 3675-3699.	6.6	39
20	The calcium transporter ANNEXIN1 mediates coldâ€induced calcium signaling and freezing tolerance in plants. EMBO Journal, 2021, 40, e104559.	7.8	99
21	MYB30 Is a Key Negative Regulator of Arabidopsis Photomorphogenic Development That Promotes PIF4 and PIF5 Protein Accumulation in the Light. Plant Cell, 2020, 32, 2196-2215.	6.6	67
22	The cold response regulator CBF1 promotes Arabidopsis hypocotyl growth at ambient temperatures. EMBO Journal, 2020, 39, e103630.	7.8	49
23	Plant abiotic stress response and nutrient use efficiency. Science China Life Sciences, 2020, 63, 635-674.	4.9	689
24	Molecular Regulation of Plant Responses to Environmental Temperatures. Molecular Plant, 2020, 13, 544-564.	8.3	346
25	The transcription factor ICE1 functions in cold stress response by binding to the promoters of CBF and COR genes. Journal of Integrative Plant Biology, 2020, 62, 258-263.	8.5	82
26	The Arabidopsis Nodulin Homeobox Factor AtNDX Interacts with AtRING1A/B and Negatively Regulates Abscisic Acid Signaling. Plant Cell, 2020, 32, 703-721.	6.6	29
27	Cold-Induced CBFâ€“PIF3 Interaction Enhances Freezing Tolerance by Stabilizing the phyB Thermosensor in Arabidopsis. Molecular Plant, 2020, 13, 894-906.	8.3	128
28	Natural variation in cytokinin maintenance improves salt tolerance in apple rootstocks. Plant, Cell and Environment, 2019, 42, 424-436.	5.7	32
29	<scp>ABRE</scp>â€<scp>BINDING FACTORS</scp> play a role in the feedback regulation of <scp>ABA</scp> signaling by mediating rapid <scp>ABA</scp> induction of <scp>ABA</scp> coâ€receptor genes. New Phytologist, 2019, 221, 341-355.	7.3	151
30	BRASSINOSTEROID-INSENSITIVE2 Negatively Regulates the Stability of Transcription Factor ICE1 in Response to Cold Stress in Arabidopsis. Plant Cell, 2019, 31, tpc.00058.2019.	6.6	110
31	PUB25 and PUB26 Promote Plant Freezing Tolerance by Degrading the Cold Signaling Negative Regulator MYB15. Developmental Cell, 2019, 51, 222-235.e5.	7.0	105
32	Advances and challenges in uncovering cold tolerance regulatory mechanisms in plants. New Phytologist, 2019, 222, 1690-1704.	7.3	512
33	Redox-Mediated Endocytosis of a Receptor-Like Kinase during Distal Stem Cell Differentiation Depends on Its Tumor Necrosis Factor Receptor Domain. Plant Physiology, 2019, 181, 1075-1095.	4.8	11
34	<scp>EGR</scp> 2 phosphatase regulates <scp>OST</scp> 1 kinase activity and freezing tolerance in Arabidopsis. EMBO Journal, 2019, 38, .	7.8	100
35	<scp>OST</scp> 1â€mediated <scp>BTF</scp> 3L phosphorylation positively regulates <scp>CBF</scp> s during plant cold responses. EMBO Journal, 2018, 37, .	7.8	134
36	Insights into the regulation of Câ€repeat binding factors in plant cold signaling. Journal of Integrative Plant Biology, 2018, 60, 780-795.	8.5	140

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37	EAR1 Negatively Regulates ABA Signaling by Enhancing 2C Protein Phosphatase Activity. Plant Cell, 2018, 30, 815-834.	6.6	111
38	Molecular Regulation of CBF Signaling in Cold Acclimation. Trends in Plant Science, 2018, 23, 623-637.	8.8	508
39	INDUCER OF CBF EXPRESSION 1 is a male fertility regulator impacting anther dehydration in Arabidopsis. PLoS Genetics, 2018, 14, e1007695.	3.5	46
40	The Antagonistic Action of Abscisic Acid and Cytokinin Signaling Mediates Drought Stress Response in Arabidopsis. Molecular Plant, 2018, 11, 970-982.	8.3	217
41	BZR1 Positively Regulates Freezing Tolerance via CBF-Dependent and CBF-Independent Pathways in Arabidopsis. Molecular Plant, 2017, 10, 545-559.	8.3	262
42	Plasma Membrane CRPK1-Mediated Phosphorylation of 14-3-3 Proteins Induces Their Nuclear Import to Fine-Tune CBF Signaling during Cold Response. Molecular Cell, 2017, 66, 117-128.e5.	9.7	281
43	Natural variation in CTB4a enhances rice adaptation to cold habitats. Nature Communications, 2017, 8, 14788.	12.8	192
44	MPK3- and MPK6-Mediated ICE1 Phosphorylation Negatively Regulates ICE1 Stability and Freezing Tolerance in Arabidopsis. Developmental Cell, 2017, 43, 630-642.e4.	7.0	322
45	PIF3 is a negative regulator of the CBF pathway and freezing tolerance in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6695-E6702.	7.1	215
46	E3 ligase SAUL1 serves as a positive regulator of PAMPâ€triggered immunity and its homeostasis is monitored by immune receptor SOC3. New Phytologist, 2017, 215, 1516-1532.	7.3	69
47	ABI4 represses the expression of typeâ€A ARRs to inhibit seed germination in Arabidopsis. Plant Journal, 2017, 89, 354-365.	5.7	100
48	Temperature-dependent autoimmunity mediated by chs1 requires its neighboring TNL gene SOC3. New Phytologist, 2017, 213, 1330-1345.	7.3	55
49	The cbfs triple mutants reveal the essential functions of <scp>CBF</scp>s in cold acclimation and allow the definition of <scp>CBF</scp> regulons in Arabidopsis. New Phytologist, 2016, 212, 345-353.	7.3	360
50	ESCRT-I Component VPS23A Affects ABA Signaling by Recognizing ABA Receptors for Endosomal Degradation. Molecular Plant, 2016, 9, 1570-1582.	8.3	87
51	The Arabidopsis RCC1 Family Protein TCF1 Regulates Freezing Tolerance and Cold Acclimation through Modulating Lignin Biosynthesis. PLoS Genetics, 2015, 11, e1005471.	3.5	92
52	IBR5 Modulates Temperature-Dependent, R Protein CHS3-Mediated Defense Responses in Arabidopsis. PLoS Genetics, 2015, 11, e1005584.	3.5	17
53	OST1 Kinase Modulates Freezing Tolerance by Enhancing ICE1 Stability in Arabidopsis. Developmental Cell, 2015, 32, 278-289.	7.0	491
54	COLD1: a cold sensor in rice. Science China Life Sciences, 2015, 58, 409-410.	4.9	15

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55	Degradation of the ABA co-receptor ABI1 by PUB12/13 U-box E3 ligases. Nature Communications, 2015, 6, 8630.	12.8	256
56	Cold Signal Transduction and its Interplay with Phytohormones During Cold Acclimation. Plant and Cell Physiology, 2015, 56, 7-15.	3.1	274
57	Arabidopsis <scp>HSP</scp>90 protein modulates <scp>RPP</scp>4â€mediated temperatureâ€dependent cell death and defense responses. New Phytologist, 2014, 202, 1320-1334.	7.3	69
58	ABA Regulation of the Cold Stress Response in Plants. , 2014, , 337-363.		34
59	The glutamate carboxypeptidase AMP 1 mediates abscisic acid and abiotic stress responses in A rabidopsis. New Phytologist, 2013, 199, 135-150.	7.3	35
60	PARAQUAT RESISTANT1, a Golgi-Localized Putative Transporter Protein, Is Involved in Intracellular Transport of Paraquat Â Â. Plant Physiology, 2013, 162, 470-483.	4.8	76
61	A missense mutation in <scp>CHS</scp>1, a <scp>TIR</scp>â€<scp>NB</scp> protein, induces chilling sensitivity in <scp>A</scp>rabidopsis. Plant Journal, 2013, 75, 553-565.	5.7	59
62	Lipid transfer protein 3 as a target of MYB96 mediates freezing and drought stress in Arabidopsis. Journal of Experimental Botany, 2013, 64, 1755-1767.	4.8	243
63	Ethylene Signaling Negatively Regulates Freezing Tolerance by Repressing Expression of CBF and Type-A ARR Genes in Arabidopsis. Plant Cell, 2012, 24, 2578-2595.	6.6	569
64	BON1 interacts with the protein kinases BIR1 and BAK1 in modulation of temperatureâ€dependent plant growth and cell death in Arabidopsis. Plant Journal, 2011, 67, 1081-1093.	5.7	76
65	The Arabidopsis LSD1 gene plays an important role in the regulation of low temperatureâ€dependent cell death. New Phytologist, 2010, 187, 301-312.	7.3	82
66	A mutant CHS3 protein with TIRâ€NBâ€LRRâ€LIM domains modulates growth, cell death and freezing tolerance in a temperatureâ€dependent manner in Arabidopsis. Plant Journal, 2010, 63, 283-296.	5.7	170
67	A Gain-of-Function Mutation in the Arabidopsis Disease Resistance Gene RPP4 Confers Sensitivity to Low Temperature Â Â. Plant Physiology, 2010, 154, 796-809.	4.8	114
68	An Fâ€box gene, CPR30, functions as a negative regulator of the defense response in Arabidopsis. Plant Journal, 2009, 60, 757-770.	5.7	108
69	A novel chloroplast-localized protein EMB1303 is required for chloroplast development in Arabidopsis. Cell Research, 2009, 19, 1205-1216.	12.0	48
70	The ArabidopsisBAP1andBAP2Genes Are General Inhibitors of Programmed Cell Death. Plant Physiology, 2007, 145, 135-146.	4.8	98
71	TheBON/CPNgene family represses cell death and promotes cell growth in Arabidopsis. Plant Journal, 2006, 45, 166-179.	5.7	101
72	A Haplotype-Specific Resistance Gene Regulated by BONZAI1 Mediates Temperature-Dependent Growth Control in Arabidopsis. Plant Cell, 2004, 16, 1060-1071.	6.6	292