Yinbo Gan

List of Publications by Year
in descending order

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55 papers	2,958 citations	126907 33 h-index	175258 52 g-index
56 all docs	56 docs citations	56 times ranked	3077 citing authors

#	Article	IF	Citations
1	Integration of cytokinin and gibberellin signalling by Arabidopsis transcription factors GIS, ZFP8 and GIS2 in the regulation of epidermal cell fate. Development (Cambridge), 2007, 134, 2073-2081.	2.5	178
2	Chromium-Induced Reactive Oxygen Species Accumulation by Altering the Enzymatic Antioxidant System and Associated Cytotoxic, Genotoxic, Ultrastructural, and Photosynthetic Changes in Plants. International Journal of Molecular Sciences, 2020, 21, 728.	4.1	157
3	Nutritional regulation of ANR1 and other root-expressed MADS-box genes in Arabidopsis thaliana. Planta, 2005, 222, 730-742.	3.2	148
4	<i><scp>Z</scp>inc <scp>F</scp>inger <scp>P</scp>rotein 6</i> (<i><scp>ZFP</scp>6</i>) regulates trichome initiation by integrating gibberellin and cytokinin signaling in <i><scp>A</scp>rabidopsis thaliana</i>. New Phytologist, 2013, 198, 699-708.	7.3	144
5	GLABROUS INFLORESCENCE STEMS Modulates the Regulation by Gibberellins of Epidermal Differentiation and Shoot Maturation in Arabidopsis. Plant Cell, 2006, 18, 1383-1395.	6.6	134
6	Seed priming with zinc oxide nanoparticles downplayed ultrastructural damage and improved photosynthetic apparatus in maize under cobalt stress. Journal of Hazardous Materials, 2022, 423, 127021.	12.4	122
7	<i>Zinc Finger Protein5</i>Is Required for the Control of Trichome Initiation by Acting Upstream of<i>Zinc Finger Protein8</i>in Arabidopsis Â Â Â. Plant Physiology, 2011, 157, 673-682.	4.8	106
8	Differential control of seed primary dormancy in <i>Arabidopsis</i> ecotypes by the transcription factor SPATULA. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10866-10871.	7.1	106
9	Overexpressing the ANR1 MADS-Box Gene in Transgenic Plants Provides New Insights into its Role in the Nitrate Regulation of Root Development. Plant and Cell Physiology, 2012, 53, 1003-1016.	3.1	103
10	AtEXP2 Is Involved in Seed Germination and Abiotic Stress Response in Arabidopsis. PLoS ONE, 2014, 9, e85208.	2.5	93
11	<i><scp>GLABROUS INFLORESCENCE STEMS</scp>3</i> (<i><scp>GIS</scp>3</i>) regulates trichome initiation and development in <i>Arabidopsis</i>. New Phytologist, 2015, 206, 220-230.	7.3	90
12	The responses of trichome mutants to enhanced ultraviolet-B radiation in Arabidopsis thaliana. Journal of Photochemistry and Photobiology B: Biology, 2012, 113, 29-35.	3.8	83
13	MADS-box Transcription Factor OsMADS25 Regulates Root Development through Affection of Nitrate Accumulation in Rice. PLoS ONE, 2015, 10, e0135196.	2.5	81
14	A zinc finger protein gene <i>ZFP5</i> integrates phytohormone signaling to control root hair development in Arabidopsis. Plant Journal, 2012, 72, 474-490.	5.7	79
15	Multiple phytohormones promote root hair elongation by regulating a similar set of genes in the root epidermis in Arabidopsis. Journal of Experimental Botany, 2016, 67, 6363-6372.	4.8	78
16	A DELLA in Disguise: SPATULA Restrains the Growth of the Developing<i>Arabidopsis</i>Seedling Â. Plant Cell, 2011, 23, 1337-1351.	6.6	77
17	OsFTIP7 determines auxin-mediated anther dehiscence in rice. Nature Plants, 2018, 4, 495-504.	9.3	63
18	Toxicological effects of bisphenol A on growth and antioxidant defense system in Oryza sativa as revealed by ultrastructure analysis. Ecotoxicology and Environmental Safety, 2016, 124, 277-284.	6.0	62

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19	OsFTIP1-Mediated Regulation of Florigen Transport in Rice Is Negatively Regulated by the Ubiquitin-Like Domain Kinase OsUbDKÎ³4. Plant Cell, 2017, 29, 491-507.	6.6	55
20	The Arabidopsis Gene zinc finger protein 3(ZFP3) Is Involved in Salt Stress and Osmotic Stress Response. PLoS ONE, 2016, 11, e0168367.	2.5	53
21	Involvement of ethylene signaling in zinc oxide nanoparticle-mediated biochemical changes in<i>Arabidopsis thaliana</i>leaves. Environmental Science: Nano, 2019, 6, 341-355.	4.3	50
22	Ethylene mediates dichromate-induced oxidative stress and regulation of the enzymatic antioxidant system-related transcriptome in Arabidopsis thaliana. Environmental and Experimental Botany, 2019, 161, 166-179.	4.2	50
23	SPATULA Links Daytime Temperature and Plant Growth Rate. Current Biology, 2010, 20, 1493-1497.	3.9	47
24	Ethylene mediates dichromateâ€induced inhibition of primary root growth by altering <i>AUX1</i> expression and auxin accumulation in <scp><i>Arabidopsis thaliana</i></scp>. Plant, Cell and Environment, 2018, 41, 1453-1467.	5.7	46
25	GLABROUS INFLORESCENCE STEMS (GIS) is Required for Trichome Branching Through Gibberellic Acid Signaling in Arabidopsis. Plant and Cell Physiology, 2012, 53, 457-469.	3.1	45
26	Nitrate regulation of lateral root and root hair development in plants. Journal of Experimental Botany, 2020, 71, 4405-4414.	4.8	45
27	Progress on trichome development regulated by phytohormone signaling. Plant Signaling and Behavior, 2011, 6, 1959-1962.	2.4	41
28	C2H2 Zinc Finger Proteins Response to Abiotic Stress in Plants. International Journal of Molecular Sciences, 2022, 23, 2730.	4.1	41
29	AtGIS, a C2H2 zinc-finger transcription factor from Arabidopsis regulates glandular trichome development through GA signaling in tobacco. Biochemical and Biophysical Research Communications, 2017, 483, 209-215.	2.1	40
30	Involvement of C2H2 zinc finger proteins in the regulation of epidermal cell fate determination in <i>Arabidopsis</i>. Journal of Integrative Plant Biology, 2014, 56, 1112-1117.	8.5	39
31	Biochemical responses and ultrastructural changes in ethylene insensitive mutants of Arabidopsis thialiana subjected to bisphenol A exposure. Ecotoxicology and Environmental Safety, 2017, 144, 62-71.	6.0	39
32	Zinc finger protein 5 (ZFP5) associates with ethylene signaling to regulate the phosphate and potassium deficiency-induced root hair development in Arabidopsis. Plant Molecular Biology, 2020, 102, 143-158.	3.9	39
33	Genetic and Molecular Regulation by DELLA Proteins of Trichome Development in Arabidopsis. Plant Physiology, 2007, 145, 1031-1042.	4.8	35
34	The WRKY6 transcription factor affects seed oil accumulation and alters fatty acid compositions in <i>Arabidopsis thaliana</i>. Physiologia Plantarum, 2020, 169, 612-624.	5.2	35
35	<i>ZFP5</i>encodes a functionally equivalent<i>GIS</i>protein to control trichome initiation. Plant Signaling and Behavior, 2012, 7, 28-30.	2.4	32
36	Expression patterns of nitrate, phosphate, and sulfate transporters in <i>Arabidopsis</i> roots exposed to different nutritional regimes. Botany, 2011, 89, 647-653.	1.0	30

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37	The Effects of Fluctuations in the Nutrient Supply on the Expression of Five Members of the AGL17 Clade of MADS-Box Genes in Rice. PLoS ONE, 2014, 9, e105597.	2.5	30
38	NbGIS regulates glandular trichome initiation through GA signaling in tobacco. Plant Molecular Biology, 2018, 98, 153-167.	3.9	29
39	Ethylene participates in zinc oxide nanoparticles induced biochemical, molecular and ultrastructural changes in rice seedlings. Ecotoxicology and Environmental Safety, 2021, 226, 112844.	6.0	27
40	The new insight of auxin functions: transition from seed dormancy to germination and floral opening in plants. Plant Growth Regulation, 2020, 91, 169-174.	3.4	25
41	Ethylene mediates CuO NP-induced ultrastructural changes and oxidative stress in Arabidopsis thaliana leaves. Environmental Science: Nano, 2020, 7, 938-953.	4.3	24
42	Exploring the Adaptive Responses of Plants to Abiotic Stresses Using Transcriptome Data. Agriculture (Switzerland), 2022, 12, 211.	3.1	22
43	Overexpression of MADS-box transcription factor OsMADS25 enhances salt stress tolerance in Rice and Arabidopsis. Plant Growth Regulation, 2020, 90, 163-171.	3.4	21
44	A rice transcription factor, <scp><i>OsMADS57</i></scp>, positively regulates high salinity tolerance in transgenic <scp><i>Arabidopsis thaliana</i></scp> and <scp><i>Oryza sativa</i></scp> plants. Physiologia Plantarum, 2021, 173, 1120-1135.	5.2	20
45	The effects of fluctuations in the nutrient supply on the expression of <i>ANR1</i> and 11 other MADS box genes in shoots and roots of <i>Arabidopsis thaliana</i>. Botany, 2010, 88, 1023-1031.	1.0	16
46	The SPATULA transcription factor regulates seed oil content by controlling seed specific genes in Arabidopsis thaliana. Plant Growth Regulation, 2017, 82, 111-121.	3.4	14
47	Involvement of histone acetylation and deacetylation in regulating auxin responses and associated phenotypic changes in plants. Plant Cell Reports, 2018, 37, 51-59.	5.6	14
48	PIL5 represses floral transition in Arabidopsis under long day conditions. Biochemical and Biophysical Research Communications, 2018, 499, 513-518.	2.1	11
49	Zinc Finger Protein 1 (ZFP1) Is Involved in Trichome Initiation in Arabidopsis thaliana. Agriculture (Switzerland), 2020, 10, 645.	3.1	9
50	BnaA02.NIP6;1a encodes a boron transporter required for plant development under boron deficiency in Brassica napus. Plant Physiology and Biochemistry, 2021, 161, 36-45.	5.8	8
51	Linkage Mapping of Stem Saccharification Digestibility in Rice. PLoS ONE, 2016, 11, e0159117.	2.5	6
52	SPATULA regulates floral transition and photomorphogenesis in a PHYTOCHROME B-dependent manner in Arabidopsis. Biochemical and Biophysical Research Communications, 2018, 503, 2380-2385.	2.1	5
53	Dichromate-induced ethylene biosynthesis, perception, and signaling regulate the variance in root growth inhibition among Shaheen basmati and basmati-385 rice varieties. Environmental Science and Pollution Research, 2021, 28, 38016-38025.	5.3	5
54	RNA-Seq-Based Profiling of pl Mutant Reveals Transcriptional Regulation of Anthocyanin Biosynthesis in Rice (Oryza sativa L.). International Journal of Molecular Sciences, 2021, 22, 9787.	4.1	4

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55	A model for the ethylene-mediated auxin distribution under Cr(VI) stress in Arabidopsis thaliana. Plant Signaling and Behavior, 2018, 13, 1-2.	2.4	1