Feng Qin

List of Publications by Year in Descending Order

45 papers	5,315 citations	24 h-index	48 g-index
48 ext. papers	6,895 ext. citations	10.1 avg, IF	5.44 L-index

#	Paper	IF	Citations
45	Genome-Wide Association Analyses to Identify SNPs Related to Drought Tolerance.. *Methods in Molecular Biology*, **2022**, 2462, 201-219	1.4	
44	Convergent selection of a WD40 protein that enhances grain yield in maize and rice.. *Science*, **2022**, 375, eabg7985	33.3	4
43	A dirigent family protein confers variation of Casparian strip thickness and salt tolerance in maize.. *Nature Communications*, **2022**, 13, 2222	17.4	3
42	Manipulating ZmEXPA4 expression ameliorates the drought-induced prolonged anthesis and silking interval in maize. *Plant Cell*, **2021**, 33, 2058-2071	11.6	5
41	Metabolomics-driven gene mining and genetic improvement of tolerance to salt-induced osmotic stress in maize. *New Phytologist*, **2021**, 230, 2355-2370	9.8	14
40	Using high-throughput multiple optical phenotyping to decipher the genetic architecture of maize drought tolerance. *Genome Biology*, **2021**, 22, 185	18.3	9
39	Genetic dissection of maize drought tolerance for trait improvement. *Molecular Breeding*, **2021**, 41, 1	3.4	14
38	Heat shock protein 101 (HSP101) promotes flowering under nonstress conditions. *Plant Physiology*, **2021**, 186, 407-419	6.6	3
37	Genomic basis underlying the metabolome-mediated drought adaptation of maize. *Genome Biology* , **2021**, 22, 260	18.3	3
36	Quantitative Profiling of Arabidopsis Polar Glycerolipids under Two Types of Heat Stress. *Plants*, **2020**, 9,	4.5	3
35	Plant abiotic stress response and nutrient use efficiency. *Science China Life Sciences*, **2020**, 63, 635-674	8.5	246
34	IntAssoPlot: An R Package for Integrated Visualization of Genome-Wide Association Study Results With Gene Structure and Linkage Disequilibrium Matrix. *Frontiers in Genetics*, **2020**, 11, 260	4.5	5
33	Mapping regulatory variants controlling gene expression in drought response and tolerance in maize. *Genome Biology*, **2020**, 21, 163	18.3	24
32	Genetic variation in ZmTIP1 contributes to root hair elongation and drought tolerance in maize. *Plant Biotechnology Journal*, **2020**, 18, 1271-1283	11.6	24
31	MAPK-like protein 1 positively regulates maize seedling drought sensitivity by suppressing ABA biosynthesis. *Plant Journal*, **2020**, 102, 747-760	6.9	16
30	Heat-induced inhibition of phosphorylation of the stress-protective transcription factor DREB2A promotes thermotolerance of. *Journal of Biological Chemistry*, **2019**, 294, 902-917	5.4	33
29	Characterization of Proteome Variation During Modern Maize Breeding. *Molecular and Cellular Proteomics*, **2019**, 18, 263-276	7.6	20

28	BPM-CUL3 E3 ligase modulates thermotolerance by facilitating negative regulatory domain-mediated degradation of DREB2A in. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8528-E8536	11.5	53
27	Deletion of an Endoplasmic Reticulum Stress Response Element in a ZmPP2C-A Gene Facilitates Drought Tolerance of Maize Seedlings. *Molecular Plant*, **2017**, 10, 456-469	14.4	60
26	Genome-Wide Association Study Reveals Natural Variations Contributing to Drought Resistance in Crops. *Frontiers in Plant Science*, **2017**, 8, 1110	6.2	30
25	Genetic variation in ZmVPP1 contributes to drought tolerance in maize seedlings. *Nature Genetics*, **2016**, 48, 1233-41	36.3	231
24	A transposable element in a NAC gene is associated with drought tolerance in maize seedlings. *Nature Communications*, **2015**, 6, 8326	17.4	237
23	Arabidopsis RZFP34/CHYR1, a Ubiquitin E3 Ligase, Regulates Stomatal Movement and Drought Tolerance via SnRK2.6-Mediated Phosphorylation. *Plant Cell*, **2015**, 27, 3228-44	11.6	82
22	Utility of surface pollen assemblages to delimit Eastern Eurasian steppe types. *PLoS ONE*, **2015**, 10, e0119412	3.7	7
21	Induced over-expression of AtDREB2A CA improves drought tolerance in sugarcane. *Plant Science*, **2014**, 221-222, 59-68	5.3	71
20	Arabidopsis DPB3-1, a DREB2A interactor, specifically enhances heat stress-induced gene expression by forming a heat stress-specific transcriptional complex with NF-Y subunits. *Plant Cell*, **2014**, 26, 4954-73	11.6	95
19	ABA Regulation of Plant Responses to Drought and Salt Stresses **2014**, 315-336		3
18	Genome-wide analysis of ZmDREB genes and their association with natural variation in drought tolerance at seedling stage of Zea mays L. *PLoS Genetics*, **2013**, 9, e1003790	6	173
17	Stabilization of Arabidopsis DREB2A is required but not sufficient for the induction of target genes under conditions of stress. *PLoS ONE*, **2013**, 8, e80457	3.7	41
16	Transcription Factors Involved in Environmental Stress Responses in Plants **2012**, 279-295		1
15	Contribution of genomics to gene discovery in plant abiotic stress responses. *Molecular Plant*, **2012**, 5, 1176-8	14.4	47
14	Achievements and challenges in understanding plant abiotic stress responses and tolerance. *Plant and Cell Physiology*, **2011**, 52, 1569-82	4.9	347
13	Late Pliocene vegetation and climate of Zhangcun region, Shanxi, North China. *Global Change Biology*, **2011**, 17, 1850-1870	11.4	19
12	Arabidopsis Cys2/His2 zinc-finger proteins AZF1 and AZF2 negatively regulate abscisic acid-repressive and auxin-inducible genes under abiotic stress conditions. *Plant Physiology*, **2011**, 157, 742-56	6.6	116
11	SPINDLY, a negative regulator of gibberellic acid signaling, is involved in the plant abiotic stress response. *Plant Physiology*, **2011**, 157, 1900-13	6.6	77

10	Functional analysis of an Arabidopsis heat-shock transcription factor HsfA3 in the transcriptional cascade downstream of the DREB2A stress-regulatory system. *Biochemical and Biophysical Research Communications*, **2008**, 368, 515-21	3.4	161
9	Arabidopsis DREB2A-interacting proteins function as RING E3 ligases and negatively regulate plant drought stress-responsive gene expression. *Plant Cell*, **2008**, 20, 1693-707	11.6	361
8	Regulation and functional analysis of ZmDREB2A in response to drought and heat stresses in Zea mays L. *Plant Journal*, **2007**, 50, 54-69	6.9	353
7	Functional analysis of AHK1/ATHK1 and cytokinin receptor histidine kinases in response to abscisic acid, drought, and salt stress in Arabidopsis. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20623-8	11.5	469
6	Co-expression of the stress-inducible zinc finger homeodomain ZFHD1 and NAC transcription factors enhances expression of the ERD1 gene in Arabidopsis. *Plant Journal*, **2007**, 49, 46-63	6.9	204
5	Functional analysis of an Arabidopsis transcription factor, DREB2A, involved in drought-responsive gene expression. *Plant Cell*, **2006**, 18, 1292-309	11.6	780
4	Dual function of an Arabidopsis transcription factor DREB2A in water-stress-responsive and heat-stress-responsive gene expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 18822-7	11.5	561
3	AFLP and RFLP linkage map in Coix. *Genetic Resources and Crop Evolution*, **2005**, 52, 209-214	2	9
2	Measuring specific interaction of transcription factor ZmDREB1A with its DNA responsive element at the molecular level. *Nucleic Acids Research*, **2004**, 32, e101	20.1	23
1	Cloning and functional analysis of a novel DREB1/CBF transcription factor involved in cold-responsive gene expression in Zea mays L. *Plant and Cell Physiology*, **2004**, 45, 1042-52	4.9	272