Liang Chen

List of Publications by Year
in descending order

22 papers	554 citations	840776 11 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	579 citing authors

#	Article	IF	Citations
1	Progress in TILLING as a tool for functional genomics and improvement of crops. Journal of Integrative Plant Biology, 2014, 56, 425-443.	8.5	84
2	Large-scale integration of meta-QTL and genome-wide association study discovers the genomic regions and candidate genes for yield and yield-related traits in bread wheat. Theoretical and Applied Genetics, 2021, 134, 3083-3109.	3.6	62
3	GA-Responsive Dwarfing Gene Rht12 Affects the Developmental and Agronomic Traits in Common Bread Wheat. PLoS ONE, 2013, 8, e62285.	2.5	54
4	Genetic effect of dwarfing gene Rht13 compared with Rht-D1b on plant height and some agronomic traits in common wheat (Triticum aestivum L.). Field Crops Research, 2014, 162, 39-47.	5.1	49
5	Genetic effects of dwarfing gene Rht-5 on agronomic traits in common wheat (Triticum aestivum L.) and QTL analysis on its linked traits. Field Crops Research, 2014, 156, 22-29.	5.1	44
6	The combination of dwarfing genes Rht4 and Rht8 reduced plant height, improved yield traits of rainfed bread wheat (Triticum aestivum L.). Field Crops Research, 2018, 215, 149-155.	5.1	44
7	Multi-Locus GWAS of Quality Traits in Bread Wheat: Mining More Candidate Genes and Possible Regulatory Network. Frontiers in Plant Science, 2020, 11, 1091.	3.6	42
8	Exogenous GA3 Application Can Compensate the Morphogenetic Effects of the GA-Responsive Dwarfing Gene Rht12 in Bread Wheat. PLoS ONE, 2014, 9, e86431.	2.5	29
9	The Wheat E Subunit of V-Type H+-ATPase Is Involved in the Plant Response to Osmotic Stress. International Journal of Molecular Sciences, 2014, 15, 16196-16210.	4.1	26
10	Effects of Vrn-B1 and Ppd-D1 on developmental and agronomic traits in Rht5 dwarf plants of bread wheat. Field Crops Research, 2018, 219, 24-32.	5.1	25
11	The Photoperiod-Insensitive Allele Ppd-D1a Promotes Earlier Flowering in Rht12 Dwarf Plants of Bread Wheat. Frontiers in Plant Science, 2018, 9, 1312.	3.6	24
12	The dwarf gene Rht15 improved lodging resistance but differentially affected agronomic and quality traits in durum wheat. Field Crops Research, 2021, 263, 108058.	5.1	12
13	Amino acid transporter (AAT) gene family in foxtail millet (Setaria italica L.): widespread family expansion, functional differentiation, roles in quality formation and response to abiotic stresses. BMC Genomics, 2021, 22, 519.	2.8	12
14	The Expression of TaRca2-Î± Gene Associated with Net Photosynthesis Rate, Biomass and Grain Yield in Bread Wheat (Triticum aestivum L.) under Field Conditions. PLoS ONE, 2016, 11, e0161308.	2.5	10
15	Differential response of cuticular wax and photosynthetic capacity by glaucous and non-glaucous wheat cultivars under mild and severe droughts. Plant Physiology and Biochemistry, 2020, 147, 303-312.	5.8	9
16	Characterization and expression patterns of key C 4 photosynthetic pathway genes in bread wheat () Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.5	7
17	Fine mapping and candidate gene analysis of dwarf gene Rht14 in durum wheat (Triticum durum). Functional and Integrative Genomics, 2022, 22, 141.	3.5	7
18	The fine mapping of dwarf gene Rht5 in bread wheat and its effects on plant height and main agronomic traits. Planta, 2022, 255, 114.	3.2	7

#	Article	IF	Citations
19	Vigorous responsiveness of dwarf gene Rht14 to exogenous GA₃ evaluated on important morphological and agronomic traits in durum wheat. Agronomy Journal, 2020, 112, 5033-5044.	1.8	3
20	The exogenous <scp>GA₃</scp> greatly affected the grainâ€filling process of semiâ€dwarf gene Rht4 in bread wheat. Physiologia Plantarum, 2022, 174, .	5.2	2
21	High photosynthetic capability observed in the wheat germplasm with rye chromosomes. Journal of Plant Physiology, 2017, 216, 202-211.	3.5	1
22	Wheat dwarf genes Rht12 and Rhtâ€B1b affected the performance of agronomic traits in hexaploid triticale. Agronomy Journal, 0, , .	1.8	1