

Liang Chen

List of Publications by Year in descending order

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papers

554
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840776

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579
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#	ARTICLE	IF	CITATIONS
1	Fine mapping and candidate gene analysis of dwarf gene Rht14 in durum wheat (<i>Triticum durum</i>). <i>Functional and Integrative Genomics</i> , 2022, 22, 141.	3.5	7
2	The fine mapping of dwarf gene Rht5 in bread wheat and its effects on plant height and main agronomic traits. <i>Planta</i> , 2022, 255, 114.	3.2	7
3	The exogenous GA ₃ greatly affected the grain-filling process of semi-dwarf gene <i>Rht4</i> in bread wheat. <i>Physiologia Plantarum</i> , 2022, 174, .	5.2	2
4	The dwarf gene Rht15 improved lodging resistance but differentially affected agronomic and quality traits in durum wheat. <i>Field Crops Research</i> , 2021, 263, 108058.	5.1	12
5	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. <i>Theoretical and Applied Genetics</i> , 2021, 134, 3083-3109.	3.6	62
6	Amino acid transporter (AAT) gene family in foxtail millet (<i>Setaria italica</i> L.): widespread family expansion, functional differentiation, roles in quality formation and response to abiotic stresses. <i>BMC Genomics</i> , 2021, 22, 519.	2.8	12
7	Differential response of cuticular wax and photosynthetic capacity by glaucous and non-glaucous wheat cultivars under mild and severe droughts. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 303-312.	5.8	9
8	Multi-Locus GWAS of Quality Traits in Bread Wheat: Mining More Candidate Genes and Possible Regulatory Network. <i>Frontiers in Plant Science</i> , 2020, 11, 1091.	3.6	42
9	Vigorous responsiveness of dwarf gene <i>Rht14</i> to exogenous GA ₃ evaluated on important morphological and agronomic traits in durum wheat. <i>Agronomy Journal</i> , 2020, 112, 5033-5044.	1.8	3
10	Effects of Vrn-B1 and Ppd-D1 on developmental and agronomic traits in Rht5 dwarf plants of bread wheat. <i>Field Crops Research</i> , 2018, 219, 24-32.	5.1	25
11	The combination of dwarfing genes Rht4 and Rht8 reduced plant height, improved yield traits of rainfed bread wheat (<i>Triticum aestivum</i> L.). <i>Field Crops Research</i> , 2018, 215, 149-155.	5.1	44
12	The Photoperiod-Insensitive Allele Ppd-D1a Promotes Earlier Flowering in Rht12 Dwarf Plants of Bread Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 1312.	3.6	24
13	Characterization and expression patterns of key C ₄ photosynthetic pathway genes in bread wheat (<i>Triticum aestivum</i> L.) Tj ETQq1 1 0.784314 rgBT /Over	3.5	7
14	High photosynthetic capability observed in the wheat germplasm with rye chromosomes. <i>Journal of Plant Physiology</i> , 2017, 216, 202-211.	3.5	1
15	The Expression of TaRca2-1 Gene Associated with Net Photosynthesis Rate, Biomass and Grain Yield in Bread Wheat (<i>Triticum aestivum</i> L.) under Field Conditions. <i>PLoS ONE</i> , 2016, 11, e0161308.	2.5	10
16	The Wheat E Subunit of V-Type H ⁺ -ATPase Is Involved in the Plant Response to Osmotic Stress. <i>International Journal of Molecular Sciences</i> , 2014, 15, 16196-16210.	4.1	26
17	Genetic effect of dwarfing gene Rht13 compared with Rht-D1b on plant height and some agronomic traits in common wheat (<i>Triticum aestivum</i> L.). <i>Field Crops Research</i> , 2014, 162, 39-47.	5.1	49
18	Genetic effects of dwarfing gene Rht-5 on agronomic traits in common wheat (<i>Triticum aestivum</i> L.) and QTL analysis on its linked traits. <i>Field Crops Research</i> , 2014, 156, 22-29.	5.1	44

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19	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
20	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
21	GA-Responsive Dwarfing Gene Rht12 Affects the Developmental and Agronomic Traits in Common Bread Wheat. PLoS ONE, 2013, 8, e62285.	2.5	54
22	Wheat dwarf genes <i>Rht12</i> and <i>Rht1b</i> affected the performance of agronomic traits in hexaploid triticale. Agronomy Journal, 0, , .	1.8	1