Kunpu Zhang

List of Publications by Year
in descending order

22 papers	795 citations	687363 13 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1019 citing authors

#	Article	IF	Citations
1	Efficient expression and function of a receptorâ€like kinase in wheat powdery mildew defence require an intronâ€located MYB binding site. Plant Biotechnology Journal, 2021, 19, 897-909.	8.3	11
2	Wheat heat tolerance is impaired by heightened deletions in the distal end of 4AL chromosomal arm. Plant Biotechnology Journal, 2021, 19, 1038-1051.	8.3	16
3	A high-quality genome assembly highlights rye genomic characteristics and agronomically important genes. Nature Genetics, 2021, 53, 574-584.	21.4	164
4	Development and characterization of markerâ€free and transgene insertion siteâ€defined transgenic wheat with improved grain storability and fatty acid content. Plant Biotechnology Journal, 2020, 18, 129-140.	8.3	15
5	The TuMYB46Lâ€TuACO3 module regulates ethylene biosynthesis in einkorn wheat defense to powdery mildew. New Phytologist, 2020, 225, 2526-2541.	7.3	33
6	A distinct class of plant and animal viral proteins that disrupt mitosis by directly interrupting the mitotic entry switch Wee1-Cdc25-Cdk1. Science Advances, 2020, 6, eaba3418.	10.3	10
7	Genomic and functional genomics analyses of gluten proteins and prospect for simultaneous improvement of end-use and health-related traits in wheat. Theoretical and Applied Genetics, 2020, 133, 1521-1539.	3.6	49
8	Analysis of the Gliâ€D2 locus identifies a genetic target for simultaneously improving the breadmaking and healthâ€related traits of common wheat. Plant Journal, 2018, 95, 414-426.	5.7	19
9	Highâ€throughput mining of Eâ€genomeâ€specific <scp>SNP</scp>s for characterizing Thinopyrum elongatum introgressions in common wheat. Molecular Ecology Resources, 2017, 17, 1318-1329.	4.8	22
10	Genome-wide analysis of complex wheat gliadins, the dominant carriers of celiac disease epitopes. Scientific Reports, 2017, 7, 44609.	3.3	71
11	New insight into the function of wheat glutenin proteins as investigated with two series of genetic mutants. Scientific Reports, 2017, 7, 3428.	3.3	28
12	Development of a new set of molecular markers for examining Glu-A1 variants in common wheat and ancestral species. PLoS ONE, 2017, 12, e0180766.	2.5	5
13	ThMYC4E, candidate Blue aleurone 1 gene controlling the associated trait in Triticum aestivum. PLoS ONE, 2017, 12, e0181116.	2.5	28
14	A novel allele of L-galactono-1,4-lactone dehydrogenase is associated with enhanced drought tolerance through affecting stomatal aperture in common wheat. Scientific Reports, 2016, 6, 30177.	3.3	10
15	Dissecting and Enhancing the Contributions of High-Molecular-Weight Glutenin Subunits to Dough Functionality and Bread Quality. Molecular Plant, 2015, 8, 332-334.	8.3	32
16	Genetic Analysis of Chromosomal Loci Affecting the Content of Insoluble Glutenin in Common Wheat. Journal of Genetics and Genomics, 2015, 42, 495-505.	3.9	3
17	Grain-specific reduction in lipoxygenase activity improves flour color quality and seed longevity in common wheat. Molecular Breeding, 2015, 35, 1.	2.1	11
18	Further genetic analysis of a major quantitative trait locus controlling root length and related traits in common wheat. Molecular Breeding, 2014, 33, 975-985.	2.1	31

#	Article	IF	Citations
19	Natural variation of TaGASR7-A1 affects grain length in common wheat under multiple cultivation conditions. Molecular Breeding, 2014, 34, 937-947.	2.1	102
20	Dissecting and enhancing the contributions of high-molecular-weight glutenin subunits to dough functionality and bread quality. Molecular Plant, 2014, , .	8.3	1
21	Efficient and fine mapping of RMES1 conferring resistance to sorghum aphid Melanaphis sacchari. Molecular Breeding, 2013, 31, 777-784.	2.1	28
22	Association Analysis of Genomic Loci Important for Grain Weight Control in Elite Common Wheat Varieties Cultivated with Variable Water and Fertiliser Supply. PLoS ONE, 2013, 8, e57853.	2.5	104