

Kunpu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

795
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687363

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642732

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1019
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#	ARTICLE	IF	CITATIONS
1	A high-quality genome assembly highlights rye genomic characteristics and agronomically important genes. <i>Nature Genetics</i> , 2021, 53, 574-584.	21.4	164
2	Association Analysis of Genomic Loci Important for Grain Weight Control in Elite Common Wheat Varieties Cultivated with Variable Water and Fertiliser Supply. <i>PLoS ONE</i> , 2013, 8, e57853.	2.5	104
3	Natural variation of TaGASR7-A1 affects grain length in common wheat under multiple cultivation conditions. <i>Molecular Breeding</i> , 2014, 34, 937-947.	2.1	102
4	Genome-wide analysis of complex wheat gliadins, the dominant carriers of celiac disease epitopes. <i>Scientific Reports</i> , 2017, 7, 44609.	3.3	71
5	Genomic and functional genomics analyses of gluten proteins and prospect for simultaneous improvement of end-use and health-related traits in wheat. <i>Theoretical and Applied Genetics</i> , 2020, 133, 1521-1539.	3.6	49
6	The <i>TuMYB46L</i> module regulates ethylene biosynthesis in einkorn wheat defense to powdery mildew. <i>New Phytologist</i> , 2020, 225, 2526-2541.	7.3	33
7	Dissecting and Enhancing the Contributions of High-Molecular-Weight Glutenin Subunits to Dough Functionality and Bread Quality. <i>Molecular Plant</i> , 2015, 8, 332-334.	8.3	32
8	Further genetic analysis of a major quantitative trait locus controlling root length and related traits in common wheat. <i>Molecular Breeding</i> , 2014, 33, 975-985.	2.1	31
9	Efficient and fine mapping of RMES1 conferring resistance to sorghum aphid <i>Melanaphis sacchari</i> . <i>Molecular Breeding</i> , 2013, 31, 777-784.	2.1	28
10	New insight into the function of wheat glutenin proteins as investigated with two series of genetic mutants. <i>Scientific Reports</i> , 2017, 7, 3428.	3.3	28
11	ThMYC4E, candidate Blue aleurone 1 gene controlling the associated trait in <i>Triticum aestivum</i> . <i>PLoS ONE</i> , 2017, 12, e0181116.	2.5	28
12	High-throughput mining of genome-specific SNP for characterizing <i>Thinopyrum elongatum</i> introgressions in common wheat. <i>Molecular Ecology Resources</i> , 2017, 17, 1318-1329.	4.8	22
13	Analysis of the <i>GliD2</i> locus identifies a genetic target for simultaneously improving the breadmaking and health-related traits of common wheat. <i>Plant Journal</i> , 2018, 95, 414-426.	5.7	19
14	Wheat heat tolerance is impaired by heightened deletions in the distal end of 4AL chromosomal arm. <i>Plant Biotechnology Journal</i> , 2021, 19, 1038-1051.	8.3	16
15	Development and characterization of marker-free and transgene insertion site-defined transgenic wheat with improved grain storability and fatty acid content. <i>Plant Biotechnology Journal</i> , 2020, 18, 129-140.	8.3	15
16	Grain-specific reduction in lipoxygenase activity improves flour color quality and seed longevity in common wheat. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	11
17	Efficient expression and function of a receptor-like kinase in wheat powdery mildew defence require an intron-located MYB binding site. <i>Plant Biotechnology Journal</i> , 2021, 19, 897-909.	8.3	11
18	A novel allele of L-galactono-1,4-lactone dehydrogenase is associated with enhanced drought tolerance through affecting stomatal aperture in common wheat. <i>Scientific Reports</i> , 2016, 6, 30177.	3.3	10

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19	A distinct class of plant and animal viral proteins that disrupt mitosis by directly interrupting the mitotic entry switch Wee1-Cdc25-Cdk1. <i>Science Advances</i> , 2020, 6, eaba3418.	10.3	10
20	Development of a new set of molecular markers for examining Glu-A1 variants in common wheat and ancestral species. <i>PLoS ONE</i> , 2017, 12, e0180766.	2.5	5
21	Genetic Analysis of Chromosomal Loci Affecting the Content of Insoluble Glutenin in Common Wheat. <i>Journal of Genetics and Genomics</i> , 2015, 42, 495-505.	3.9	3
22	Dissecting and enhancing the contributions of high-molecular-weight glutenin subunits to dough functionality and bread quality. <i>Molecular Plant</i> , 2014, , .	8.3	1