

# Dianxing Wu

## List of Publications by Year in descending order

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44  
papers

1,567  
citations

394421

19  
h-index

315739

38  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Starch digestibility and the estimated glycemic score of different types of rice differing in amylose contents. <i>Journal of Cereal Science</i> , 2004, 40, 231-237.	3.7	254
2	Critical roles of soluble starch synthase SSIIIa and granule-bound starch synthase Waxy in synthesizing resistant starch in rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12844-12849.	7.1	154
3	Genetic Diversity and Population Structure of Cowpea ( <i>Vigna unguiculata</i> L. Walp). <i>PLoS ONE</i> , 2016, 11, e0160941.	2.5	120
4	Allelic Analysis of Sheath Blight Resistance with Association Mapping in Rice. <i>PLoS ONE</i> , 2012, 7, e32703.	2.5	93
5	Unraveling the Complex Trait of Harvest Index with Association Mapping in Rice ( <i>Oryza sativa</i> L.). <i>PLoS ONE</i> , 2012, 7, e29350.	2.5	88
6	Genotypic and phenotypic characterization of genetic differentiation and diversity in the USDA rice mini-core collection. <i>Genetica</i> , 2010, 138, 1221-1230.	1.1	76
7	Mapping QTLs for improving grain yield using the USDA rice mini-core collection. <i>Planta</i> , 2011, 234, 347-361.	3.2	72
8	Î-carotene Isomerase Suppresses Tillering in Rice through the Coordinated Biosynthesis of Strigolactone and Abscisic Acid. <i>Molecular Plant</i> , 2020, 13, 1784-1801.	8.3	70
9	Repression of microRNA biogenesis by silencing of OsDCL1 activates the basal resistance to <i>Magnaporthe oryzae</i> in rice. <i>Plant Science</i> , 2015, 237, 24-32.	3.6	51
10	Physicochemical properties of hydroxypropylated and cross-linked rice starches differential in amylose content. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 775-781.	7.5	48
11	COMPARATIVE STUDIES ON MAJOR NUTRITIONAL COMPONENTS OF RICE WITH A GIANT EMBRYO AND A NORMAL EMBRYO. <i>Journal of Food Biochemistry</i> , 2005, 29, 653-661.	2.9	47
12	The Influences of Chain Length of Amylopectin on Resistant Starch in Rice ( <i>Oryza sativa</i> ) Tj ETQq0 0,0 rgBT /Overlock 10	2.1	45
13	MOS1 functions closely with TCP transcription factors to modulate immunity and cell cycle in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2018, 93, 66-78.	5.7	42
14	A nonsense mutation in a putative sulphate transporter gene results in low phytic acid in barley. <i>Functional and Integrative Genomics</i> , 2011, 11, 103-110.	3.5	41
15	Starch Structure and Digestibility of Rice High in Resistant Starch. <i>Starch/Staerke</i> , 2006, 58, 411-417.	2.1	30
16	Effects of grain development on formation of resistant starch in rice. <i>Food Chemistry</i> , 2014, 164, 89-97.	8.2	28
17	LAZY2 controls rice tiller angle through regulating starch biosynthesis in gravity-sensing cells. <i>New Phytologist</i> , 2021, 231, 1073-1087.	7.3	27
18	The effects of internal endosperm lipids on starch properties: Evidence from rice mutant starches. <i>Journal of Cereal Science</i> , 2019, 89, 102804.	3.7	24

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19	Characterization and comparative profiling of the small RNA transcriptomes in two phases of flowering in <i>Cymbidium ensifolium</i> . <i>BMC Genomics</i> , 2015, 16, 622.	2.8	22
20	Polymorphisms in <i>cis</i> -elements confer SAUR26 gene expression difference for thermoresponse natural variation in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2021, 229, 2751-2764.	7.3	19
21	Dependence of physicochemical, functional and textural properties of high-resistant starch rice on endogenous nonstarch polysaccharides. <i>International Journal of Food Science and Technology</i> , 2018, 53, 1079-1086.	2.7	18
22	A Trypsin Family Protein Gene Controls Tillering and Leaf Shape in Barley. <i>Plant Physiology</i> , 2019, 181, 701-713.	4.8	17
23	Effects of gamma irradiation on starch digestibility of rice with different resistant starch content. <i>International Journal of Food Science and Technology</i> , 2013, 48, 35-43.	2.7	16
24	Natural variations of growth thermoresponsiveness determined by SAUR26/27/28 proteins in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2019, 224, 291-305.	7.3	16
25	Searching for Germplasm Resistant to Sheath Blight from the USDA Rice Core Collection. <i>Crop Science</i> , 2011, 51, 1507-1517.	1.8	15
26	Combination of High Zn Density and Low Phytic Acid for Improving Zn Bioavailability in Rice ( <i>Oryza</i> )	4.0	14
27	Genetic differentiation and diversity upon genotype and phenotype in cowpea ( <i>Vigna unguiculata</i> L.)	1.2	13
28	Functional Characterization of 9-/13-LOXs in Rice and Silencing Their Expressions to Improve Grain Qualities. <i>BioMed Research International</i> , 2016, 2016, 1-8.	1.9	12
29	Rice varieties with a high endosperm lipid content have reduced starch digestibility and increased $\beta$ -oryzanol bioaccessibility. <i>Food and Function</i> , 2021, 12, 11547-11556.	4.6	12
30	Endogenous rice endosperm hemicellulose slows <i>in vitro</i> starch digestibility. <i>International Journal of Food Science and Technology</i> , 2019, 54, 734-743.	2.7	11
31	Identifying genes for resistant starch, slowly digestible starch, and rapidly digestible starch in rice using genome-wide association studies. <i>Genes and Genomics</i> , 2020, 42, 1227-1238.	1.4	11
32	Assessment of genetic diversity and variety identification based on developed retrotransposon-based insertion polymorphism (RBIP) markers in sweet potato ( <i>Ipomoea batatas</i> (L.) Lam.). <i>Scientific Reports</i> , 2021, 11, 17116.	3.3	9
33	Physicochemical characterizations of starches isolated from <i>Tetrastigma hemsleyanum</i> Diels et Gilg. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1540-1547.	7.5	8
34	The physicochemical and nutritional properties of high endosperm lipids rice mutants under artificially accelerated ageing. <i>LWT - Food Science and Technology</i> , 2022, 154, 112730.	5.2	8
35	Genetic analysis of genetic basis of a physiological disorder <i>straighthead</i> in rice ( <i>Oryza sativa</i> L.). <i>Genes and Genomics</i> , 2016, 38, 453-457.	1.4	7
36	COMPARATIVE STUDIES ON MAJOR NUTRITIONAL COMPONENTS AND PHYSICOCHEMICAL PROPERTIES OF THE TRANSGENIC RICE WITH A SYNTHETIC Cry1Ab GENE FROM <i>BACILLUS THURINGIENSIS</i> . <i>Journal of Food Biochemistry</i> , 2003, 27, 295-308.	2.9	5

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37	Metabolite Profiling of a Zinc-Accumulating Rice Mutant. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3775-3782.	5.2	5
38	A novel starch: Characterizations of starches separated from tea ( <i>Camellia sinensis</i> (L.) O. Ktze) seed. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 1085-1091.	7.5	5
39	Germinated high- $\alpha$ -resistant starch rice: A potential novel functional food. <i>International Journal of Food Science and Technology</i> , 2022, 57, 5439-5449.	2.7	5
40	Association Analysis of Arsenic-Induced Straighthead in Rice ( <i>Oryza sativa</i> L.) Based on the Selected Population with a Modified Model. <i>BioMed Research International</i> , 2017, 2017, 1-6.	1.9	4
41	MOS1 Negatively Regulates Sugar Responses and Anthocyanin Biosynthesis in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 7095.	4.1	3
42	High-throughput method for preliminary screening of high dietary fiber rice. <i>Food Chemistry</i> , 2019, 300, 125192.	8.2	2
43	Development and Characterization of A Low Starch Viscosity Rice Mutant. <i>Cereal Research Communications</i> , 2002, 30, 301-305.	1.6	0
44	Improving Hydrophilicity of Wheat Starch via Sodium Dodecyl Sulfate Treatment. <i>Starch/Staerke</i> , 0, , 2200002.	2.1	0