Peng Wang

List of Publications by Year
in descending order

19	2,466	567281 15	794594 19
papers	citations	h-index	g-index

19	19	19	3479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A highly efficient rice green tissue protoplast system for transient gene expression and studying light/chloroplast-related processes. Plant Methods, 2011, 7, 30.	4.3	741
2	A Major QTL, Ghd8, Plays Pleiotropic Roles in Regulating Grain Productivity, Plant Height, and Heading Date in Rice. Molecular Plant, 2011, 4, 319-330.	8.3	498
3	Adaptation of Root Function by Nutrient-Induced Plasticity of Endodermal Differentiation. Cell, 2016, 164, 447-459.	28.9	414
4	The MYB36 transcription factor orchestrates Casparian strip formation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10533-10538.	7.1	251
5	Fine mapping a major QTL for flag leaf size and yield-related traits in rice. Theoretical and Applied Genetics, 2011, 123, 1319-1330.	3.6	81
6	Shifts in microbial communities in soil, rhizosphere and roots of two major crop systems under elevated CO2 and O3. Scientific Reports, 2017, 7, 15019.	3.3	75
7	Clustered QTL for source leaf size and yield traits in rice (Oryza sativa L.). Molecular Breeding, 2012, 29, 99-113.	2.1	72
8	Surveillance of cell wall diffusion barrier integrity modulates water and solute transport in plants. Scientific Reports, 2019, 9, 4227.	3.3	60
9	QTL Mapping of Combining Ability and Heterosis of Agronomic Traits in Rice Backcross Recombinant Inbred Lines and Hybrid Crosses. PLoS ONE, 2012, 7, e28463.	2.5	58
10	Isolation and Analysis of Microbial Communities in Soil, Rhizosphere, and Roots in Perennial Grass Experiments. Journal of Visualized Experiments, 2018, , .	0.3	57
11	Improving rice yield and quality by QTL pyramiding. Molecular Breeding, 2012, 29, 903-913.	2.1	30
12	Ghd8 controls rice photoperiod sensitivity by forming a complex that interacts with Ghd7. BMC Plant Biology, 2019, 19, 462.	3.6	28
13	The Sorghum bicolor Root Exudate Sorgoleone Shapes Bacterial Communities and Delays Network Formation. MSystems, 2021, 6, .	3.8	23
14	A glass beadÂsemi-hydroponic system for intact maize root exudate analysis and phenotyping. Plant Methods, 2022, 18, 25.	4.3	20
15	A key variant in the cis-regulatory element of flowering gene Ghd8 associated with cold tolerance in rice. Scientific Reports, 2019, 9, 9603.	3.3	16
16	Natural variation in root exudation of GABA and DIMBOA impacts the maize root endosphere and rhizosphere microbiomes. Journal of Experimental Botany, 2022, 73, 5052-5066.	4.8	16
17	Belowground microbial communities respond to water deficit and are shaped by decades of maize hybrid breeding. Environmental Microbiology, 2020, 22, 889-904.	3.8	15
18	Mapping of minor quantitative trait loci (<scp>QTL</scp>s) conferring fertility restoration of wild abortive cytoplasmic male sterility and <scp>QTL</scp>s conferring stigma exsertion in rice. Plant Breeding, 2014, 133, 722-727.	1.9	7

#	Article	IF	Citations
19	Identification of Heterotic Loci with Desirable Allelic Interaction to Increase Yield in Rice. Rice, 2021, 14, 97.	4.0	4