

Hideki Takanashi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

599
citations

840776

11
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Throughput Phenotyping of Sorghum Plant Height Using an Unmanned Aerial Vehicle and Its Application to Genomic Prediction Modeling. <i>Frontiers in Plant Science</i> , 2017, 8, 421.	3.6	198
2	Targeted base editing in the plastid genome of <i>Arabidopsis thaliana</i> . <i>Nature Plants</i> , 2021, 7, 906-913.	9.3	62
3	Distinct Gene Expression Profiles in Egg and Synergid Cells of Rice as Revealed by Cell Type-Specific Microarrays. <i>Plant Physiology</i> , 2011, 155, 881-891.	4.8	58
4	Targeted gene disruption of <i>ATP synthases 6</i> and <i>6</i> in the mitochondrial genome of <i>Arabidopsis thaliana</i> by mitoTALENs. <i>Plant Journal</i> , 2020, 104, 1459-1471.	5.7	57
5	Different amounts of DNA in each mitochondrion in rice root. <i>Genes and Genetic Systems</i> , 2006, 81, 215-218.	0.7	32
6	Transcriptional switch for programmed cell death in pith parenchyma of sorghum stems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8783-E8792.	7.1	30
7	RAD-seq-Based High-Density Linkage Map Construction and QTL Mapping of Biomass-Related Traits in Sorghum using the Japanese Landrace Takakibi NOG. <i>Plant and Cell Physiology</i> , 2020, 61, 1262-1272.	3.1	25
8	Studies of mitochondrial morphology and DNA amount in the rice egg cell. <i>Current Genetics</i> , 2010, 56, 33-41.	1.7	23
9	miRNAs control HAM1 functions at the single-cell-layer level and are essential for normal embryogenesis in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2018, 96, 627-640.	3.9	22
10	Heap: a highly sensitive and accurate SNP detection tool for low-coverage high-throughput sequencing data. <i>DNA Research</i> , 2017, 24, 397-405.	3.4	19
11	Comparison of shape quantification methods for genomic prediction, and genome-wide association study of sorghum seed morphology. <i>PLoS ONE</i> , 2019, 14, e0224695.	2.5	13
12	Effect of salt tolerance on biomass production in a large population of sorghum accessions. <i>Breeding Science</i> , 2020, 70, 167-175.	1.9	13
13	Genomic Prediction of Green Fraction Dynamics in Soybean Using Unmanned Aerial Vehicles Observations. <i>Frontiers in Plant Science</i> , 2022, 13, 828864.	3.6	9
14	Genetic dissection of QTLs associated with spikelet-related traits and grain size in sorghum. <i>Scientific Reports</i> , 2021, 11, 9398.	3.3	8
15	Sorghum Ionomics Reveals the Functional <i>SbHMA3a</i> Allele that Limits Excess Cadmium Accumulation in Grains. <i>Plant and Cell Physiology</i> , 2022, 63, 713-728.	3.1	6
16	<i>DOMINANT AWN INHIBITOR</i> Encodes the ALOG Protein Originating from Gene Duplication and Inhibits AWN Elongation by Suppressing Cell Proliferation and Elongation in Sorghum. <i>Plant and Cell Physiology</i> , 2022, 63, 901-918.	3.1	6
17	Impacts of dominance effects on genomic prediction of sorghum hybrid performance. <i>Breeding Science</i> , 2020, 70, 605-616.	1.9	5
18	NB-LRR-encoding genes conferring susceptibility to organophosphate pesticides in sorghum. <i>Scientific Reports</i> , 2021, 11, 19828.	3.3	5

#	ARTICLE	IF	CITATIONS
19	Functional analysis of the promoter of a rice 18â€%kDa oleosin gene. Plant Biotechnology, 2016, 33, 195-200.	1.0	3
20	Dissecting the Genetic Architecture of Biofuel-Related Traits in a Sorghum Breeding Population. G3: Genes, Genomes, Genetics, 2020, 10, 4565-4577.	1.8	2
21	Spatial kernel models capturing field heterogeneity for accurate estimation of genetic potential. Breeding Science, 2021, 71, 444-455.	1.9	0
22	Title is missing!. , 2019, 14, e0224695.		0
23	Title is missing!. , 2019, 14, e0224695.		0
24	Title is missing!. , 2019, 14, e0224695.		0
25	Title is missing!. , 2019, 14, e0224695.		0