

Zachary W Brenton

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

975
citations

758635

12
h-index

996533

15
g-index

17
all docs

17
docs citations

17
times ranked

1111
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-environment associations in sorghum landraces predict adaptive traits. <i>Science Advances</i> , 2015, 1, e1400218.	4.7	257
2	A Genomic Resource for the Development, Improvement, and Exploitation of Sorghum for Bioenergy. <i>Genetics</i> , 2016, 204, 21-33.	1.2	115
3	Genetic and genomic resources of sorghum to connect genotype with phenotype in contrasting environments. <i>Plant Journal</i> , 2019, 97, 19-39.	2.8	88
4	Genome-Wide Association Studies of Grain Yield Components in Diverse Sorghum Germplasm. <i>Plant Genome</i> , 2016, 9, plantgenome2015.09.0091.	1.6	78
5	A new reference genome for <i>Sorghum bicolor</i> reveals high levels of sequence similarity between sweet and grain genotypes: implications for the genetics of sugar metabolism. <i>BMC Genomics</i> , 2019, 20, 420.	1.2	73
6	Genetic architecture of kernel composition in global sorghum germplasm. <i>BMC Genomics</i> , 2017, 18, 15.	1.2	67
7	Dissecting Genome-Wide Association Signals for Loss-of-Function Phenotypes in Sorghum Flavonoid Pigmentation Traits. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 2085-2094.	0.8	65
8	Genetic dissection of sorghum grain quality traits using diverse and segregating populations. <i>Theoretical and Applied Genetics</i> , 2017, 130, 697-716.	1.8	64
9	Integration of Experiments across Diverse Environments Identifies the Genetic Determinants of Variation in <i>Sorghum bicolor</i> Seed Element Composition. <i>Plant Physiology</i> , 2016, 170, 1989-1998.	2.3	53
10	Impact of sorghum racial structure and diversity on genomic prediction of grain yield components. <i>Crop Science</i> , 2020, 60, 132-148.	0.8	30
11	Genetic characterization of a <i>Sorghum bicolor</i> multiparent mapping population emphasizing carbon-partitioning dynamics. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	23
12	Sorghum Association Panel Whole-genome sequencing establishes cornerstone resource for dissecting genomic diversity. <i>Plant Journal</i> , 2022, 111, 888-904.	2.8	20
13	Maize lodging resistance: Stalk architecture is a stronger predictor of stalk bending strength than chemical composition. <i>Biosystems Engineering</i> , 2022, 219, 124-134.	1.9	17
14	Species-Specific Duplication Event Associated with Elevated Levels of Nonstructural Carbohydrates in <i>Sorghum bicolor</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 1511-1520.	0.8	13
15	Genomic patterns of structural variation among diverse genotypes of <i>Sorghum bicolor</i> and a potential role for deletions in local adaptation. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	9
16	Registration of the sorghum carbon-partitioning nested association mapping (CPNAM) population. <i>Journal of Plant Registrations</i> , 0, , .	0.4	3