Jared Crain

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2147898/publications.pdf

Version: 2024-02-01

21	625	840776 11	794594 19
papers	citations	h-index	g-index

23	23	23	860
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Applied phenomics and genomics for improving barley yellow dwarf resistance in winter wheat. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	1
2	Evaluation of fieldâ€based single plant phenotyping for wheat breeding. The Plant Phenome Journal, 2022, 5, .	2.0	6
3	Genetic architecture and QTL selection response for Kernza perennial grain domestication traits. Theoretical and Applied Genetics, 2022, 135, 2769-2784.	3.6	4
4	Nested association mapping reveals the genetic architecture of spike emergence and anthesis timing in intermediate wheatgrass. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	11
5	Genomic prediction enables rapid selection of highâ€performing genets in an intermediate wheatgrass breeding program. Plant Genome, 2021, 14, e20080.	2.8	21
6	Development of wholeâ€genome prediction models to increase the rate of genetic gain in intermediate wheatgrass (Thinopyrum intermedium) breeding. Plant Genome, 2021, 14, e20089.	2.8	12
7	Improving Wheat Yield Prediction Using Secondary Traits and High-Density Phenotyping Under Heat-Stressed Environments. Frontiers in Plant Science, 2021, 12, 633651.	3.6	8
8	Experiences of Applying Field-Based High-Throughput Phenotyping for Wheat Breeding. Concepts and Strategies in Plant Sciences, 2021, , 71-99.	0.5	0
9	Sequenced-based paternity analysis to improve breeding and identify self-incompatibility loci in intermediate wheatgrass (Thinopyrum intermedium). Theoretical and Applied Genetics, 2020, 133, 3217-3233.	3.6	13
10	Enhancing Crop Domestication Through Genomic Selection, a Case Study of Intermediate Wheatgrass. Frontiers in Plant Science, 2020, 11, 319.	3.6	28
11	Genome mapping of quantitative trait loci (QTL) controlling domestication traits of intermediate wheatgrass (Thinopyrum intermedium). Theoretical and Applied Genetics, 2019, 132, 2325-2351.	3.6	30
12	Development and Evolution of an Intermediate Wheatgrass Domestication Program. Sustainability, 2018, 10, 1499.	3.2	89
13	Combining Highâ€Throughput Phenotyping and Genomic Information to Increase Prediction and Selection Accuracy in Wheat Breeding. Plant Genome, 2018, 11, 170043.	2.8	175
14	Efficient crop model parameter estimation and site characterization using large breeding trial data sets. Agricultural Systems, 2017, 157, 170-184.	6.1	17
15	Utilizing Highâ€Throughput Phenotypic Data for Improved Phenotypic Selection of Stressâ€Adaptive Traits in Wheat. Crop Science, 2017, 57, 648-659.	1.8	34
16	Genomic Selection for Small Grain Improvement. , 2017, , 99-130.		20
17	Application of Geographically Weighted Regression to Improve Grain Yield Prediction from Unmanned Aerial System Imagery. Crop Science, 2017, 57, 2478-2489.	1.8	27
18	Development and Deployment of a Portable Field Phenotyping Platform. Crop Science, 2016, 56, 965-975.	1.8	77

#	Article	IF	Citations
19	By-Plant Prediction of Corn (Zea maysL.) Grain Yield using Height and Stalk Diameter. Communications in Soil Science and Plant Analysis, 2015, 46, 564-575.	1.4	13
20	MAIZE GRAIN YIELD RESPONSE TO VARIABLE ROW NITROGEN FERTILIZATION. Journal of Plant Nutrition, 2013, 36, 1013-1024.	1.9	8
21	Evaluation of a Reduced Cost Active NDVI Sensor for Crop Nutrient Management. Journal of Sensors, 2012, 2012, 1-10.	1.1	31