R Chris Gaynor

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7448284/publications.pdf

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17	1,177	687363 13	888059 17
papers	citations	h-index	g-index

31	31	31	1293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temporal and genomic analysis of additive genetic variance in breeding programmes. Heredity, 2022, 128, 21-32.	2.6	13
2	Phasing and imputation of single nucleotide polymorphism data of missing parents of biparental plant populations. Crop Science, 2021, 61, 2243-2253.	1.8	5
3	Modeling Illustrates That Genomic Selection Provides New Opportunities for Intercrop Breeding. Frontiers in Plant Science, 2021, 12, 605172.	3.6	22
4	AlphaSimR: an R package for breeding program simulations. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	109
5	In silico simulation of future hybrid performance to evaluate heterotic pool formation in a self-pollinating crop. Scientific Reports, 2020, 10, 4037.	3.3	9
6	The effects of training population design on genomic prediction accuracy in wheat. Theoretical and Applied Genetics, 2019, 132, 1943-1952.	3.6	63
7	Removal of alleles by genome editing (RAGE) against deleterious load. Genetics Selection Evolution, 2019, 51, 14.	3.0	44
8	A Strategy To Exploit Surrogate Sire Technology in Livestock Breeding Programs. G3: Genes, Genomes, Genetics, 2019, 9, 203-215.	1.8	26
9	A heuristic method for fast and accurate phasing and imputation of single-nucleotide polymorphism data in bi-parental plant populations. Theoretical and Applied Genetics, 2018, 131, 2345-2357.	3.6	20
10	Optimal cross selection for long-term genetic gain in two-part programs with rapid recurrent genomic selection. Theoretical and Applied Genetics, 2018, 131, 1953-1966.	3.6	120
11	Prospects for Costâ€Effective Genomic Selection via Accurate Withinâ€Family Imputation. Crop Science, 2017, 57, 216-228.	1.8	48
12	Increasing Genomicâ€Enabled Prediction Accuracy by Modeling Genotype Ã— Environment Interactions in Kansas Wheat. Plant Genome, 2017, 10, plantgenome2016.12.0130.	2.8	107
13	A Twoâ€Part Strategy for Using Genomic Selection to Develop Inbred Lines. Crop Science, 2017, 57, 2372-2386.	1.8	140
14	Potential of Lowâ€Coverage Genotypingâ€byâ€Sequencing and Imputation for Costâ€Effective Genomic Selection in Biparental Segregating Populations. Crop Science, 2017, 57, 1404-1420.	1.8	64
15	AlphaSim: Software for Breeding Program Simulation. Plant Genome, 2016, 9, plantgenome2016.02.0013.	2.8	105
16	Genomic Selection for Processing and Endâ€Use Quality Traits in the CIMMYT Spring Bread Wheat Breeding Program. Plant Genome, 2016, 9, plantgenome2016.01.0005.	2.8	161
17	Maximizing the potential of multi-parental crop populations. Applied & Translational Genomics, 2016, 11, 9-17.	2.1	49