R Chris Gaynor

List of Publications by Year
in descending order

17 papers	1,177 citations	686830 13 h-index	887659 17 g-index
31 all docs	31 docs citations	31 times ranked	1293 citing authors

#	Article	IF	Citations
1	Genomic Selection for Processing and End‐Use Quality Traits in the CIMMYT Spring Bread Wheat Breeding Program. Plant Genome, 2016, 9, plantgenome2016.01.0005.	1.6	161
2	A Two‐Part Strategy for Using Genomic Selection to Develop Inbred Lines. Crop Science, 2017, 57, 2372-2386.	0.8	140
3	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.	1.8	120
4	AlphaSimR: an R package for breeding program simulations. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	109
5	Increasing Genomic‐Enabled Prediction Accuracy by Modeling Genotype Ã— Environment Interactions in Kansas Wheat. Plant Genome, 2017, 10, plantgenome2016.12.0130.	1.6	107
6	AlphaSim: Software for Breeding Program Simulation. Plant Genome, 2016, 9, plantgenome2016.02.0013.	1.6	105
7	Potential of Low‐Coverage Genotyping‐by‐Sequencing and Imputation for Cost‐Effective Genomic Selection in Biparental Segregating Populations. Crop Science, 2017, 57, 1404-1420.	0.8	64
8	The effects of training population design on genomic prediction accuracy in wheat. Theoretical and Applied Genetics, 2019, 132, 1943-1952.	1.8	63
9	Maximizing the potential of multi-parental crop populations. Applied & Translational Genomics, 2016, 11, 9-17.	2.1	49
10	Prospects for Cost‐Effective Genomic Selection via Accurate Within‐Family Imputation. Crop Science, 2017, 57, 216-228.	0.8	48
11	Removal of alleles by genome editing (RAGE) against deleterious load. Genetics Selection Evolution, 2019, 51, 14.	1.2	44
12	A Strategy To Exploit Surrogate Sire Technology in Livestock Breeding Programs. G3: Genes, Genomes, Genetics, 2019, 9, 203-215.	0.8	26
13	Modeling Illustrates That Genomic Selection Provides New Opportunities for Intercrop Breeding. Frontiers in Plant Science, 2021, 12, 605172.	1.7	22
14	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.	1.8	20
15	Temporal and genomic analysis of additive genetic variance in breeding programmes. Heredity, 2022, 128, 21-32.	1.2	13
16	In silico simulation of future hybrid performance to evaluate heterotic pool formation in a self-pollinating crop. Scientific Reports, 2020, 10, 4037.	1.6	9
17	Phasing and imputation of single nucleotide polymorphism data of missing parents of biparental plant populations. Crop Science, 2021, 61, 2243-2253.	0.8	5