

# R Chris Gaynor

## List of Publications by Year in descending order

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

Version: 2024-02-01

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	Temporal and genomic analysis of additive genetic variance in breeding programmes. <i>Heredity</i> , 2022, 128, 21-32.	1.2	13
2	Phasing and imputation of single nucleotide polymorphism data of missing parents of biparental plant populations. <i>Crop Science</i> , 2021, 61, 2243-2253.	0.8	5
3	Modeling Illustrates That Genomic Selection Provides New Opportunities for Intercrop Breeding. <i>Frontiers in Plant Science</i> , 2021, 12, 605172.	1.7	22
4	AlphaSimR: an R package for breeding program simulations. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	109
5	In silico simulation of future hybrid performance to evaluate heterotic pool formation in a self-pollinating crop. <i>Scientific Reports</i> , 2020, 10, 4037.	1.6	9
6	The effects of training population design on genomic prediction accuracy in wheat. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1943-1952.	1.8	63
7	Removal of alleles by genome editing (RAGE) against deleterious load. <i>Genetics Selection Evolution</i> , 2019, 51, 14.	1.2	44
8	A Strategy To Exploit Surrogate Sire Technology in Livestock Breeding Programs. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 203-215.	0.8	26
9	A heuristic method for fast and accurate phasing and imputation of single-nucleotide polymorphism data in bi-parental plant populations. <i>Theoretical and Applied Genetics</i> , 2018, 131, 2345-2357.	1.8	20
10	Optimal cross selection for long-term genetic gain in two-part programs with rapid recurrent genomic selection. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1953-1966.	1.8	120
11	Prospects for Cost-Effective Genomic Selection via Accurate Within-Family Imputation. <i>Crop Science</i> , 2017, 57, 216-228.	0.8	48
12	Increasing Genomic-Enabled Prediction Accuracy by Modeling Genotype × Environment Interactions in Kansas Wheat. <i>Plant Genome</i> , 2017, 10, plantgenome2016.12.0130.	1.6	107
13	A Two-Part Strategy for Using Genomic Selection to Develop Inbred Lines. <i>Crop Science</i> , 2017, 57, 2372-2386.	0.8	140
14	Potential of Low-Coverage Genotyping-by-Sequencing and Imputation for Cost-Effective Genomic Selection in Biparental Segregating Populations. <i>Crop Science</i> , 2017, 57, 1404-1420.	0.8	64
15	AlphaSim: Software for Breeding Program Simulation. <i>Plant Genome</i> , 2016, 9, plantgenome2016.02.0013.	1.6	105
16	Genomic Selection for Processing and End-Use Quality Traits in the CIMMYT Spring Bread Wheat Breeding Program. <i>Plant Genome</i> , 2016, 9, plantgenome2016.01.0005.	1.6	161
17	Maximizing the potential of multi-parental crop populations. <i>Applied &amp; Translational Genomics</i> , 2016, 11, 9-17.	2.1	49