Mark Cooper

List of Publications by Year
in descending order

161 papers	19,819 citations	20759 60 h-index	11581 135 g-index
172 all docs	172 docs citations	172 times ranked	15915 citing authors

#	Article	IF	Citations
1	Intensive Blood Glucose Control and Vascular Outcomes in Patients with Type 2 Diabetes. New England Journal of Medicine, 2008, 358, 2560-2572.	13.9	6,447
2	Albuminuria and Kidney Function Independently Predict Cardiovascular and Renal Outcomes in Diabetes. Journal of the American Society of Nephrology: JASN, 2009, 20, 1813-1821.	3.0	787
3	Can Changes in Canopy and/or Root System Architecture Explain Historical Maize Yield Trends in the U.S. Corn Belt?. Crop Science, 2009, 49, 299-312.	0.8	594
4	Improving drought tolerance in maize: a view from industry. Field Crops Research, 2004, 90, 19-34.	2.3	500
5	Development of drought-resistant cultivars using physiomorphological traits in rice. Field Crops Research, 1995, 40, 67-86.	2.3	496
6	Models for navigating biological complexity in breeding improved crop plants. Trends in Plant Science, 2006, 11, 587-593.	4.3	364
7	Breeding drought-tolerant maize hybrids for the US corn-belt: discovery to product. Journal of Experimental Botany, 2014, 65, 6191-6204.	2.4	310
8	Predicting the future of plant breeding: complementing empirical evaluation with genetic prediction. Crop and Pasture Science, 2014, 65, 311.	0.7	306
9	Impact of Visit-to-Visit Glycemic Variability on the Risks of Macrovascular and Microvascular Events and All-Cause Mortality in Type 2 Diabetes: The ADVANCE Trial. Diabetes Care, 2014, 37, 2359-2365.	4.3	284
10	Relationships among analytical methods used to study genotypic variation and genotype-by-environment interaction in plant breeding multi-environment experiments. Theoretical and Applied Genetics, 1994, 88, 561-572.	1.8	281
11	Environment characterization as an aid to wheat improvement: interpreting genotypeâ€“environment interactions by modelling water-deficit patterns in North-Eastern Australia. Journal of Experimental Botany, 2011, 62, 1743-1755.	2.4	256
12	Lowering Blood Pressure Reduces Renal Events in Type 2 Diabetes. Journal of the American Society of Nephrology: JASN, 2009, 20, 883-892.	3.0	245
13	Accelerating crop genetic gains with genomic selection. Theoretical and Applied Genetics, 2019, 132, 669-686.	1.8	218
14	Leaf water potential and osmotic adjustment as physiological traits to improve drought tolerance in rice. Field Crops Research, 2002, 76, 153-163.	2.3	210
15	Yieldâ€“trait performance landscapes: from theory to application in breeding maize for drought tolerance. Journal of Experimental Botany, 2011, 62, 855-868.	2.4	202
16	A Mixed-Model Quantitative Trait Loci (QTL) Analysis for Multiple-Environment Trial Data Using Environmental Covariables for QTL-by-Environment Interactions, With an Example in Maize. Genetics, 2007, 177, 1801-1813.	1.2	201
17	Integrating Crop Growth Models with Whole Genome Prediction through Approximate Bayesian Computation. PLoS ONE, 2015, 10, e0130855.	1.1	193
18	The U.S. drought of 2012 in perspective: A call to action. Global Food Security, 2013, 2, 139-143.	4.0	189

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19	Towards a multiscale crop modelling framework for climate change adaptation assessment. Nature Plants, 2020, 6, 338-348.	4.7	181
20	The role of physiological understanding in plant breeding; from a breeding perspective. Field Crops Research, 1996, 49, 11-37.	2.3	177
21	Relative Incidence of ESRD Versus Cardiovascular Mortality in Proteinuric Type 2 Diabetes and Nephropathy: Results From the DIAMETRIC (Diabetes Mellitus Treatment for Renal Insufficiency) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.1	173
22	Genotype by environment interactions affecting grain sorghum. II. Frequencies of different seasonal patterns of drought stress are related to location effects on hybrid yields. Australian Journal of Agricultural Research, 2000, 51, 209.	1.5	171
23	GenotypeÃ—environment interactions and some considerations of their implications for wheat breeding in Australia This review is one of a series commissioned by the Advisory Committee of the Journal.. Australian Journal of Agricultural Research, 1998, 49, 153.	1.5	164
24	Yield response of rice (Oryza sativa L.) genotypes to different types of drought under rainfed lowlands. Field Crops Research, 2002, 73, 153-168.	2.3	163
25	Evaluating Plant Breeding Strategies by Simulating Gene Action and Dryland Environment Effects. Agronomy Journal, 2003, 95, 99.	0.9	158
26	Limitedâ€Transpiration Trait May Increase Maize Drought Tolerance in the US Corn Belt. Agronomy Journal, 2015, 107, 1978-1986.	0.9	158
27	Modeling QTL for complex traits: detection and context for plant breeding. Current Opinion in Plant Biology, 2009, 12, 231-240.	3.5	153
28	QU-GENE: a simulation platform for quantitative analysis of genetic models. Bioinformatics, 1998, 14, 632-653.	1.8	150
29	Morphological and architectural development of root systems in sorghum and maize. Plant and Soil, 2010, 333, 287-299.	1.8	148
30	Leveraging biological insight and environmental variation to improve phenotypic prediction: Integrating crop growth models (CGM) with whole genome prediction (WGP). European Journal of Agronomy, 2018, 100, 151-162.	1.9	147
31	Mapping As You Go. Crop Science, 2004, 44, 1560-1571.	0.8	136
32	Screening for drought resistance in rainfed lowland rice. Field Crops Research, 1999, 64, 61-74.	2.3	135
33	Title is missing!. Euphytica, 2001, 122, 503-519.	0.6	135
34	Industryâ€Scale Evaluation of Maize Hybrids Selected for Increased Yield in Droughtâ€Stress Conditions of the US Corn Belt. Crop Science, 2015, 55, 1608-1618.	0.8	135
35	Use of Crop Growth Models with Wholeâ€Genome Prediction: Application to a Maize Multienvironment Trial. Crop Science, 2016, 56, 2141-2156.	0.8	135
36	Yield response of rice (Oryza sativa L.) genotypes to drought under rainfed lowland. Field Crops Research, 2002, 73, 181-200.	2.3	127

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37	Temperature effect on transpiration response of maize plants to vapour pressure deficit. Environmental and Experimental Botany, 2012, 78, 157-162.	2.0	125
38	Yield response of rice (Oryza sativa L.) genotypes to drought under rainfed lowlands. Field Crops Research, 2002, 73, 169-180.	2.3	124
39	Classification of Maize Environments Using Crop Simulation and Geographic Information Systems. Crop Science, 2005, 45, 1708-1716.	0.8	123
40	A Gene Regulatory Network Model for Floral Transition of the Shoot Apex in Maize and Its Dynamic Modeling. PLoS ONE, 2012, 7, e43450.	1.1	119
41	Genotype by environment interactions affecting grain sorghum. III. Temporal sequences and spatial patterns in the target population of environments. Australian Journal of Agricultural Research, 2000, 51, 223.	1.5	111
42	Use of drought response index for identification of drought tolerant genotypes in rainfed lowland rice. Field Crops Research, 2006, 99, 48-58.	2.3	110
43	Prediction of hybrid performance in grain sorghum using RFLP markers. Theoretical and Applied Genetics, 2003, 106, 559-567.	1.8	109
44	Using crop simulation to generate genotype by environment interaction effects for sorghum in water-limited environments. Australian Journal of Agricultural Research, 2002, 53, 379.	1.5	108
45	Maize ARGOS1 (ZAR1) transgenic alleles increase hybrid maize yield. Journal of Experimental Botany, 2014, 65, 249-260.	2.4	101
46	A comparison of formal and participatory breeding approaches using selection theory. Euphytica, 2001, 122, 463-475.	0.6	100
47	Gene-to-phenotype models and complex trait genetics. Australian Journal of Agricultural Research, 2005, 56, 895.	1.5	100
48	Revolutionizing agriculture with synthetic biology. Nature Plants, 2019, 5, 1207-1210.	4.7	100
49	A selection strategy to accommodate genotype-by-environment interaction for grain yield of wheat: managed-environments for selection among genotypes. Theoretical and Applied Genetics, 1995, 90, 492-502.	1.8	98
50	Transpiration Response of Maize Hybrids to Atmospheric Vapour Pressure Deficit. Journal of Agronomy and Crop Science, 2013, 199, 155-160.	1.7	92
51	Rainfed lowland rice breeding strategies for Northeast Thailand.. Field Crops Research, 1999, 64, 131-151.	2.3	91
52	Effects of a fixed combination of perindopril and indapamide in patients with type 2 diabetes and chronic kidney disease. European Heart Journal, 2010, 31, 2888-2896.	1.0	85
53	Biological reality and parsimony in crop modelsâ€"why we need both in crop improvement!. In Silico Plants, 2019, 1, .	0.8	80
54	Integrating genetic gain and gap analysis to predict improvements in crop productivity. Crop Science, 2020, 60, 582-604.	0.8	80

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55	Comparison of Two Breeding Strategies by Computer Simulation. Crop Science, 2003, 43, 1764-1773.	0.8	79
56	TheE(NK) model: Extending theNK model to incorporate gene-by-environment interactions and epistasis for diploid genomes. Complexity, 2002, 7, 31-47.	0.9	78
57	Addressing Research Bottlenecks to Crop Productivity. Trends in Plant Science, 2021, 26, 607-630.	4.3	76
58	Genotype by environment interactions affecting grain sorghum. I. Characteristics that confound interpretation of hybrid yield. Australian Journal of Agricultural Research, 2000, 51, 197.	1.5	72
59	Genotype-by-management interactions for grain yield and grain protein concentration of wheat. Field Crops Research, 2001, 69, 47-67.	2.3	71
60	Modelling Crop Improvement in a GÃ—EÃ—M Framework via Geneâ€“Traitâ€“Phenotype Relationships. , 2009, , 235-581.		69
61	Evaluation of experimental designs and spatial analyses in wheat breeding trials. Theoretical and Applied Genetics, 2000, 100, 9-16.	1.8	67
62	Evaluating Plant Breeding Strategies by Simulating Gene Action and Dryland Environment Effects. Agronomy Journal, 2003, 95, 99-113.	0.9	67
63	Computer simulation of a selection strategy to accommodate genotype environment interactions in a wheat recurrent selection programme. Plant Breeding, 1999, 118, 17-28.	1.0	66
64	Modelling the nitrogen dynamics of maize crops â€“ Enhancing the APSIM maize model. European Journal of Agronomy, 2018, 100, 118-131.	1.9	66
65	Grain Yield and Nitrogen Accumulation in Maize Hybrids Released during 1934 to 2013 in the US Midwest. Crop Science, 2017, 57, 1431-1446.	0.8	65
66	Changes in Pedigree Backgrounds of Pioneer Brand Maize Hybrids Widely Grown from 1930 to 1999. Crop Science, 2004, 44, 1935-1946.	0.8	64
67	Soil water capture trends over 50 years of single-cross maize (<i>Zea mays</i>L.) breeding in the US corn-belt. Journal of Experimental Botany, 2015, 66, 7339-7346.	2.4	58
68	The GP problem: quantifying gene-to-phenotype relationships. In Silico Biology, 2002, 2, 151-64.	0.4	58
69	On the Determination of Recombination Rates in Intermated Recombinant Inbred Populations. Genetics, 2003, 164, 741-745.	1.2	56
70	Tackling Gâ€‰Ã—â€‰Eâ€‰Ã—â€‰M interactions to close on-farm yield-gaps: creating novel pathways for crop improvement by predicting contributions of genetics and management to crop productivity. Theoretical and Applied Genetics, 2021, 134, 1625-1644.	1.8	53
71	Concepts and strategies for plant adaptation research in rainfed lowland rice. Field Crops Research, 1999, 64, 13-34.	2.3	50
72	Efficacy and safety of routine blood pressure lowering in older patients with diabetes: results from the ADVANCE trial. Journal of Hypertension, 2010, 28, 1141-1149.	0.3	50

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73	Title is missing!. Euphytica, 2001, 122, 477-490.	0.6	49
74	On the dynamic determinants of reproductive failure under drought in maize. In Silico Plants, 2019, 1, .	0.8	49
75	Simulating the Effects of Dominance and Epistasis on Selection Response in the CIMMYT Wheat Breeding Program Using QuCim. Crop Science, 2004, 44, 2006-2018.	0.8	47
76	Hydraulic Conductance of Maize Hybrids Differing in Transpiration Response to Vapor Pressure Deficit. Crop Science, 2014, 54, 1147-1152.	0.8	47
77	Identification of research to improve the efficiency of breeding strategies for white clover in Australia - a review. Australian Journal of Agricultural Research, 2002, 53, 239.	1.5	46
78	Title is missing!. Euphytica, 1998, 102, 1-7.	0.6	43
79	The Selective Values of Alleles in a Molecular Network Model Are Context Dependent. Genetics, 2004, 166, 1715-1725.	1.2	43
80	Hybrid variation for root system efficiency in maize: potential links to drought adaptation. Functional Plant Biology, 2016, 43, 502.	1.1	41
81	Interpretation of randomly amplified polymorphic DNA marker data for fingerprinting sweet potato (Ipomoea batatas L.) genotypes. Theoretical and Applied Genetics, 1994, 88-88, 332-336.	1.8	40
82	Inheritance of osmotic adjustment to water stress in three grain sorghum crosses. Theoretical and Applied Genetics, 1995, 90, 675-682.	1.8	40
83	Maize Hybrid Variability for Transpiration Decrease with Progressive Soil Drying. Journal of Agronomy and Crop Science, 2013, 199, 23-29.	1.7	40
84	Variation Among Maize Hybrids in Response to High Vapor Pressure Deficit at High Temperatures. Crop Science, 2016, 56, 392-396.	0.8	38
85	Maize, sorghum, and pearl millet have highly contrasting species strategies to adapt to water stress and climate change-like conditions. Plant Science, 2020, 295, 110297.	1.7	38
86	Molecular Breeding for Complex Adaptive Traits: How Integrating Crop Ecophysiology and Modelling Can Enhance Efficiency. , 2016, , 147-162.		38
87	Influence of phenology on grain yield variation among barley cultivars grown under terminal drought. Australian Journal of Agricultural Research, 1996, 47, 757.	1.5	37
88	Genomics, Genetics, and Plant Breeding. Crop Science, 2004, 44, 1907-1913.	0.8	36
89	Genotype-by-environment interactions for grain yield associated with water availability at flowering in rainfed lowland rice. Field Crops Research, 2007, 101, 145-154.	2.3	36
90	In pursuit of a better world: crop improvement and the CGIAR. Journal of Experimental Botany, 2021, 72, 5158-5179.	2.4	35

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91	Modelling selection response in plant-breeding programs using crop models as mechanistic gene-to-phenotype (CGM-G2P) multi-trait link functions. In Silico Plants, 2021, 3, .	0.8	35
92	Genotypic variation of osmotic adjustment and desiccation tolerance in contrasting sorghum inbred lines. Field Crops Research, 1993, 35, 51-62.	2.3	34
93	Retrospective analysis of the relationships among the test environments of the Southern Queensland sugarcane breeding programme. Theoretical and Applied Genetics, 1994, 88, 707-716.	1.8	33
94	Modeling biomass accumulation in maize kernels. Field Crops Research, 2013, 151, 92-100.	2.3	33
95	Rainfed lowland rice breeding strategies for Northeast Thailand II. Comparison of intrastation and interstation selection. Field Crops Research, 1999, 64, 153-176.	2.3	31
96	Global adaptation patterns of Australian and CIMMYT spring bread wheat. Theoretical and Applied Genetics, 2007, 115, 819-835.	1.8	31
97	Genotypic variation for drought stress response traits in soybean. I. Variation in soybean and wild Glycine spp. for epidermal conductance, osmotic potential, and relative water content. Australian Journal of Agricultural Research, 2008, 59, 656.	1.5	31
98	Mixed model approaches for the identification of QTLs within a maize hybrid breeding program. Theoretical and Applied Genetics, 2010, 120, 429-440.	1.8	31
99	Reproductive resilience but not root architecture underpins yield improvement under drought in maize. Journal of Experimental Botany, 2021, 72, 5235-5245.	2.4	31
100	Predicting grain yield in Australian environments using data from CIMMYT international wheat performance trials. 1. Potential for exploiting correlated response to selection. Field Crops Research, 1993, 32, 305-322.	2.3	29
101	Genotypic variation for grain yield and grain nitrogen concentration among sorghum hybrids under different levels of nitrogen fertiliser and water supply. Australian Journal of Agricultural Research, 1998, 49, 737.	1.5	29
102	Global wheat production could benefit from closing the genetic yield gap. Nature Food, 2022, 3, 532-541.	6.2	29
103	Power of the joint segregation analysis method for testing mixed major-gene and polygene inheritance models of quantitative traits. Theoretical and Applied Genetics, 2001, 103, 804-816.	1.8	26
104	Crop science: A foundation for advancing predictive agriculture. Crop Science, 2020, 60, 544-546.	0.8	26
105	Can We Harness â€œEnviromicsâ€•to Accelerate Crop Improvement by Integrating Breeding and Agronomy?. Frontiers in Plant Science, 2021, 12, 735143.	1.7	26
106	Genotypic variation for drought stress response traits in soybean. II. Inter-relations between epidermal conductance, osmotic potential, relative water content, and plant survival. Australian Journal of Agricultural Research, 2008, 59, 670.	1.5	26
107	An investigation of the grain yield adaptation of advanced CIMMYT wheat lines to water stress environments in Queensland. I. Crop physiological analysis. Australian Journal of Agricultural Research, 1994, 45, 965.	1.5	25
108	Yield response of rice (Oryza sativa L.) genotypes to drought under rainfed lowlands. Field Crops Research, 2004, 89, 281-297.	2.3	23

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109	Utility of repeated checks for hierarchical classification of data from plant breeding trials. Field Crops Research, 1992, 30, 79-95.	2.3	22
110	How can breeding contribute to more productive and sustainable rainfed lowland rice systems?. Field Crops Research, 1999, 64, 199-209.	2.3	21
111	Comparison of identity by descent and identity by state for detecting genetic regions under selection in a sorghum pedigree breeding program. Molecular Breeding, 2005, 14, 441-454.	1.0	21
112	Can we harness digital technologies and physiology to hasten genetic gain in US maize breeding?. Plant Physiology, 2022, 188, 1141-1157.	2.3	21
113	Radiation use efficiency increased over a century of maize (<i>Zea mays</i>L.) breeding in the US corn belt. Journal of Experimental Botany, 2022, 73, 5503-5513.	2.4	21
114	Predicting phenotypes from genetic, environment, management, and historical data using CNNs. Theoretical and Applied Genetics, 2021, 134, 3997-4011.	1.8	20
115	Predicting grain yield in Australian environments using data from CIMMYT international wheat performance trials. 2. The application of classification to identify environmental relationships which exploit correlated response to selection. Field Crops Research, 1993, 32, 323-342.	2.3	19
116	The impact of genotype multiply environment interactions for sugar yield on the use of indirect selection in southern Queensland. Australian Journal of Experimental Agriculture, 1993, 33, 629.	1.0	19
117	Influence of rate of development of water deficit on the expression of maximum osmotic adjustment and desiccation tolerance in three grain sorghum lines. Field Crops Research, 1996, 49, 65-76.	2.3	19
118	Maize. CSSA Special Publication - Crop Science Society of America, 2015, , 125-171.	0.1	19
119	Genotypic variation for grain and stover yield of dryland (rabi) sorghum in India 2. A characterisation of genotypeÃ—environment interactions. Field Crops Research, 2010, 118, 236-242.	2.3	18
120	Sustained improvement in tolerance to water deficit accompanies maize yield increase in temperate environments. Crop Science, 2022, 62, 2138-2150.	0.8	18
121	Predicting grain yield in Australian environments using data from CIMMYT international wheat performance trials 3. Testing predicted correlated response to selection. Field Crops Research, 1993, 35, 191-204.	2.3	16
122	An investigation of the grain yield adaptation of advanced CIMMYT wheat lines to water stress environments in Queensland. II. Classification analysis. Australian Journal of Agricultural Research, 1994, 45, 985.	1.5	16
123	Preface to Special Issue: Complex traits and plant breedingâ€”can we understand the complexities of gene-to-phenotype relationships and use such knowledge to enhance plant breeding outcomes?. Australian Journal of Agricultural Research, 2005, 56, 869.	1.5	16
124	The 1BL/1RS translocation decreases grain yield of spring wheat germplasm in low yield environments of north-eastern Australia. Crop and Pasture Science, 2011, 62, 276.	0.7	16
125	Strategies and considerations for implementing genomic selection to improve traits with additive and non-additive genetic architectures in sugarcane breeding. Theoretical and Applied Genetics, 2021, 134, 1493-1511.	1.8	16
126	The Selective Values of Alleles in a Molecular Network Model Are Context Dependent. Genetics, 2004, 166, 1715-1725.	1.2	16

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127	Combining ability variation for osmotic adjustment among a selected range of grain sorghum (Sorghum bicolor L. Moench) lines. Field Crops Research, 1994, 38, 147-155.	2.3	15
128	Title is missing!. Genetic Resources and Crop Evolution, 1997, 44, 289-300.	0.8	15
129	Indirect selection using reference and probe genotype performance in multi-environment trials. Crop and Pasture Science, 2011, 62, 313.	0.7	15
130	Plant production in water-limited environments. Journal of Experimental Botany, 2021, 72, 5097-5101.	2.4	15
131	Genotypic variation for stolon and other morphological attributes of white clover (Trifolium repens) Tj ETQq1 1 0.784314 rgBT /Overlock Wales. Australian Journal of Agricultural Research, 1994, 45, 703.	1.5	15
132	Advantage of single-trial models for response to selection in wheat breeding multi-environment trials. Theoretical and Applied Genetics, 2004, 108, 1256-1264.	1.8	14
133	Inhibitor screen for limited-transpiration trait among maize hybrids. Environmental and Experimental Botany, 2015, 109, 161-167.	2.0	14
134	Variation among low rainfall white clover (Trifolium repens L.) accessions for morphological attributes and herbage yield. Australian Journal of Experimental Agriculture, 1995, 35, 1109.	1.0	13
135	A methodology for analysis of sugarcane productivity trends. I. Analysis across districts. Australian Journal of Agricultural Research, 2001, 52, 1001.	1.5	13
136	Back to the future: implications of genetic complexity for the structure of hybrid breeding programs. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	13
137	Effect of Plot Size on Accuracy of Yield Estimation of Rainfed Lowland Rice Genotypes with Different Plant Heights and Grown under Different Soil Fertility Conditions. Plant Production Science, 2003, 6, 95-102.	0.9	12
138	Modeling Qtl Effects and Mas in Plant Breeding. , 2007, , 57-95.		12
139	Genetic analysis of preharvest sprouting tolerance in three wheat crosses. Australian Journal of Agricultural Research, 1997, 48, 215.	1.5	12
140	Sorghum hybrid differences in grain yield and nitrogen concentration under low soil nitrogen availability. I. Hybrids with similar phenology. Australian Journal of Agricultural Research, 1998, 49, 1267.	1.5	12
141	Genotypic variation for grain and stover yield of dryland (rabi) sorghum in India: 1. Magnitude of genotypeÃ—environment interactions. Field Crops Research, 2010, 118, 228-235.	2.3	11
142	Evaluation of white clover (Trifolium repens L.) populations for summer moisture stress adaptation in Australia. Australian Journal of Agricultural Research, 1999, 50, 561.	1.5	11
143	A procedure to assess the relative merit of classification strategies for grouping environments to assist selection in plant breeding regional evaluation trials. Field Crops Research, 1993, 35, 63-74.	2.3	10
144	Genetic analysis of variation for grain yield and protein concentration in two wheat crosses. Australian Journal of Agricultural Research, 1997, 48, 605.	1.5	10

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145	Genotypic variation for drought stress response traits in soybean. III. Broad-sense heritability of epidermal conductance, osmotic potential, and relative water content. Australian Journal of Agricultural Research, 2008, 59, 679.	1.5	8
146	A rapid PCR protocol for marker assisted detection of heterozygotes in segregating generations involving 1BL/1RS translocation and normal wheat lines. Australian Journal of Agricultural Research, 2002, 53, 931.	1.5	8
147	Classifying genotypic data from plant breeding trials: a preliminary investigation using repeated checks. Theoretical and Applied Genetics, 1992, 85, 461-469.	1.8	7
148	Determining appropriate group number and composition for data sets containing repeated check cultivars. Field Crops Research, 1993, 31, 369-383.	2.3	7
149	Using clusters of computers for large QU-GENE simulation experiments. Bioinformatics, 2001, 17, 194-195.	1.8	7
150	A methodology for analysis of sugarcane productivity trends. 2. Comparing variety trials with commercial productivity. Australian Journal of Agricultural Research, 2004, 55, 109.	1.5	7
151	Perspectives on Applications of Hierarchical Gene-To-Phenotype (G2P) Maps to Capture Non-stationary Effects of Alleles in Genomic Prediction. Frontiers in Plant Science, 2021, 12, 663565.	1.7	7
152	Sorghum hybrid differences in grain yield and nitrogen concentration under low soil nitrogen availability. II. Hybrids with contrasting phenology. Australian Journal of Agricultural Research, 1998, 49, 1277.	1.5	7
153	A procedure for investigating the number of genotypes required to provide a stable classification of environments. Field Crops Research, 1994, 38, 47-56.	2.3	6
154	Investigations into the emergent properties of gene-to-phenotype networks across cycles of selection: a case study of shoot branching in plants. In Silico Plants, 2022, 4, .	0.8	6
155	Quantitative analysis of the effect of selection history on sugar yield adaptation of sugarcane clones. Theoretical and Applied Genetics, 1994, 87, 627-640.	1.8	5
156	The effect of the accumulation of disease resistance genes on the long-term association of a global sample of environments for testing spring bread wheat. Theoretical and Applied Genetics, 2000, 101, 1164-1172.	1.8	5
157	Grain nitrogen concentration differences among three sorghum hybrids with similar grain yield. Australian Journal of Agricultural Research, 1999, 50, 137.	1.5	5
158	Physiological trait networks enhance understanding of crop growth and water use in contrasting environments. Plant, Cell and Environment, 2022, 45, 2554-2572.	2.8	5
159	Side effects and tolerability of combination blood pressure lowering according to blood pressure levels. Journal of Hypertension, 2017, 35, 1318-1325.	0.3	4
160	Inheritance of anthracnose resistance in the tropical pasture legume Stylosanthes hamata. Australian Journal of Agricultural Research, 1995, 46, 1353.	1.5	3
161	Enhanced interpretation of pattern analyses of environments: the use of blocks. Field Crops Research, 1994, 37, 25-32.	2.3	2