

# Mark Cooper

## List of Publications by Year in descending order

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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	Can we harness digital technologies and physiology to hasten genetic gain in US maize breeding?. <i>Plant Physiology</i> , 2022, 188, 1141-1157.	2.3	21
2	Investigations into the emergent properties of gene-to-phenotype networks across cycles of selection: a case study of shoot branching in plants. <i>In Silico Plants</i> , 2022, 4, .	0.8	6
3	Sustained improvement in tolerance to water deficit accompanies maize yield increase in temperate environments. <i>Crop Science</i> , 2022, 62, 2138-2150.	0.8	18
4	Radiation use efficiency increased over a century of maize ( <i>Zea mays</i> L.) breeding in the US corn belt. <i>Journal of Experimental Botany</i> , 2022, 73, 5503-5513.	2.4	21
5	Physiological trait networks enhance understanding of crop growth and water use in contrasting environments. <i>Plant, Cell and Environment</i> , 2022, 45, 2554-2572.	2.8	5
6	Global wheat production could benefit from closing the genetic yield gap. <i>Nature Food</i> , 2022, 3, 532-541.	6.2	29
7	Strategies and considerations for implementing genomic selection to improve traits with additive and non-additive genetic architectures in sugarcane breeding. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1493-1511.	1.8	16
8	Tackling G×E interactions to close on-farm yield-gaps: creating novel pathways for crop improvement by predicting contributions of genetics and management to crop productivity. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1625-1644.	1.8	53
9	Reproductive resilience but not root architecture underpins yield improvement under drought in maize. <i>Journal of Experimental Botany</i> , 2021, 72, 5235-5245.	2.4	31
10	In pursuit of a better world: crop improvement and the CGIAR. <i>Journal of Experimental Botany</i> , 2021, 72, 5158-5179.	2.4	35
11	Back to the future: implications of genetic complexity for the structure of hybrid breeding programs. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	13
12	Addressing Research Bottlenecks to Crop Productivity. <i>Trends in Plant Science</i> , 2021, 26, 607-630.	4.3	76
13	Perspectives on Applications of Hierarchical Gene-To-Phenotype (G2P) Maps to Capture Non-stationary Effects of Alleles in Genomic Prediction. <i>Frontiers in Plant Science</i> , 2021, 12, 663565.	1.7	7
14	Plant production in water-limited environments. <i>Journal of Experimental Botany</i> , 2021, 72, 5097-5101.	2.4	15
15	Predicting phenotypes from genetic, environment, management, and historical data using CNNs. <i>Theoretical and Applied Genetics</i> , 2021, 134, 3997-4011.	1.8	20
16	Can We Harness "Enviromics" to Accelerate Crop Improvement by Integrating Breeding and Agronomy?. <i>Frontiers in Plant Science</i> , 2021, 12, 735143.	1.7	26
17	Modelling selection response in plant-breeding programs using crop models as mechanistic gene-to-phenotype (CGM-G2P) multi-trait link functions. <i>In Silico Plants</i> , 2021, 3, .	0.8	35
18	Maize, sorghum, and pearl millet have highly contrasting species strategies to adapt to water stress and climate change-like conditions. <i>Plant Science</i> , 2020, 295, 110297.	1.7	38

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19	Crop science: A foundation for advancing predictive agriculture. <i>Crop Science</i> , 2020, 60, 544-546.	0.8	26
20	Integrating genetic gain and gap analysis to predict improvements in crop productivity. <i>Crop Science</i> , 2020, 60, 582-604.	0.8	80
21	Towards a multiscale crop modelling framework for climate change adaptation assessment. <i>Nature Plants</i> , 2020, 6, 338-348.	4.7	181
22	On the dynamic determinants of reproductive failure under drought in maize. <i>In Silico Plants</i> , 2019, 1, .	0.8	49
23	Revolutionizing agriculture with synthetic biology. <i>Nature Plants</i> , 2019, 5, 1207-1210.	4.7	100
24	Biological reality and parsimony in crop modelsâ€”why we need both in crop improvement!. <i>In Silico Plants</i> , 2019, 1, .	0.8	80
25	Accelerating crop genetic gains with genomic selection. <i>Theoretical and Applied Genetics</i> , 2019, 132, 669-686.	1.8	218
26	Leveraging biological insight and environmental variation to improve phenotypic prediction: Integrating crop growth models (CGM) with whole genome prediction (WGP). <i>European Journal of Agronomy</i> , 2018, 100, 151-162.	1.9	147
27	Modelling the nitrogen dynamics of maize crops â€” Enhancing the APSIM maize model. <i>European Journal of Agronomy</i> , 2018, 100, 118-131.	1.9	66
28	Side effects and tolerability of combination blood pressure lowering according to blood pressure levels. <i>Journal of Hypertension</i> , 2017, 35, 1318-1325.	0.3	4
29	Grain Yield and Nitrogen Accumulation in Maize Hybrids Released during 1934 to 2013 in the US Midwest. <i>Crop Science</i> , 2017, 57, 1431-1446.	0.8	65
30	Variation Among Maize Hybrids in Response to High Vapor Pressure Deficit at High Temperatures. <i>Crop Science</i> , 2016, 56, 392-396.	0.8	38
31	Use of Crop Growth Models with Wholeâ€”Genome Prediction: Application to a Maize Multienvironment Trial. <i>Crop Science</i> , 2016, 56, 2141-2156.	0.8	135
32	Hybrid variation for root system efficiency in maize: potential links to drought adaptation. <i>Functional Plant Biology</i> , 2016, 43, 502.	1.1	41
33	Molecular Breeding for Complex Adaptive Traits: How Integrating Crop Ecophysiology and Modelling Can Enhance Efficiency. , 2016, , 147-162.		38
34	Soil water capture trends over 50 years of single-cross maize ( <i>Zea mays</i> L.) breeding in the US corn-belt. <i>Journal of Experimental Botany</i> , 2015, 66, 7339-7346.	2.4	58
35	Industryâ€”Scale Evaluation of Maize Hybrids Selected for Increased Yield in Droughtâ€”Stress Conditions of the US Corn Belt. <i>Crop Science</i> , 2015, 55, 1608-1618.	0.8	135
36	Maize. <i>CSSA Special Publication - Crop Science Society of America</i> , 2015, , 125-171.	0.1	19

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37	Integrating Crop Growth Models with Whole Genome Prediction through Approximate Bayesian Computation. PLoS ONE, 2015, 10, e0130855.	1.1	193
38	Limited transpiration Trait May Increase Maize Drought Tolerance in the US Corn Belt. Agronomy Journal, 2015, 107, 1978-1986.	0.9	158
39	Inhibitor screen for limited-transpiration trait among maize hybrids. Environmental and Experimental Botany, 2015, 109, 161-167.	2.0	14
40	Hydraulic Conductance of Maize Hybrids Differing in Transpiration Response to Vapor Pressure Deficit. Crop Science, 2014, 54, 1147-1152.	0.8	47
41	Maize ARGOS1 (ZAR1) transgenic alleles increase hybrid maize yield. Journal of Experimental Botany, 2014, 65, 249-260.	2.4	101
42	Predicting the future of plant breeding: complementing empirical evaluation with genetic prediction. Crop and Pasture Science, 2014, 65, 311.	0.7	306
43	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
44	Breeding drought-tolerant maize hybrids for the US corn-belt: discovery to product. Journal of Experimental Botany, 2014, 65, 6191-6204.	2.4	310
45	Maize Hybrid Variability for Transpiration Decrease with Progressive Soil Drying. Journal of Agronomy and Crop Science, 2013, 199, 23-29.	1.7	40
46	Modeling biomass accumulation in maize kernels. Field Crops Research, 2013, 151, 92-100.	2.3	33
47	The U.S. drought of 2012 in perspective: A call to action. Global Food Security, 2013, 2, 139-143.	4.0	189
48	Transpiration Response of Maize Hybrids to Atmospheric Vapour Pressure Deficit. Journal of Agronomy and Crop Science, 2013, 199, 155-160.	1.7	92
49	Temperature effect on transpiration response of maize plants to vapour pressure deficit. Environmental and Experimental Botany, 2012, 78, 157-162.	2.0	125
50	Relative Incidence of ESRD Versus Cardiovascular Mortality in Proteinuric Type 2 Diabetes and Nephropathy: Results From the DIAMETRIC (Diabetes Mellitus Treatment for Renal Insufficiency) Trial. J Am Soc Nephrol, 2012, 23, 1000-1007.	10.0	170
51	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
52	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
53	Indirect selection using reference and probe genotype performance in multi-environment trials. Crop and Pasture Science, 2011, 62, 313.	0.7	15
54	Yield trait performance landscapes: from theory to application in breeding maize for drought tolerance. Journal of Experimental Botany, 2011, 62, 855-868.	2.4	202

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55	Environment characterization as an aid to wheat improvement: interpreting genotype×environment interactions by modelling water-deficit patterns in North-Eastern Australia. <i>Journal of Experimental Botany</i> , 2011, 62, 1743-1755.	2.4	256
56	Efficacy and safety of routine blood pressure lowering in older patients with diabetes: results from the ADVANCE trial. <i>Journal of Hypertension</i> , 2010, 28, 1141-1149.	0.3	50
57	Mixed model approaches for the identification of QTLs within a maize hybrid breeding program. <i>Theoretical and Applied Genetics</i> , 2010, 120, 429-440.	1.8	31
58	Morphological and architectural development of root systems in sorghum and maize. <i>Plant and Soil</i> , 2010, 333, 287-299.	1.8	148
59	Effects of a fixed combination of perindopril and indapamide in patients with type 2 diabetes and chronic kidney disease. <i>European Heart Journal</i> , 2010, 31, 2888-2896.	1.0	85
60	Genotypic variation for grain and stover yield of dryland (rabi) sorghum in India: 1. Magnitude of genotype×environment interactions. <i>Field Crops Research</i> , 2010, 118, 228-235.	2.3	11
61	Genotypic variation for grain and stover yield of dryland (rabi) sorghum in India 2. A characterisation of genotype×environment interactions. <i>Field Crops Research</i> , 2010, 118, 236-242.	2.3	18
62	Lowering Blood Pressure Reduces Renal Events in Type 2 Diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 883-892.	3.0	245
63	Modelling Crop Improvement in a G×E×M Framework via Gene×Trait×Phenotype Relationships. , 2009, , 235-581.		69
64	Albuminuria and Kidney Function Independently Predict Cardiovascular and Renal Outcomes in Diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1813-1821.	3.0	787
65	Modeling QTL for complex traits: detection and context for plant breeding. <i>Current Opinion in Plant Biology</i> , 2009, 12, 231-240.	3.5	153
66	Can Changes in Canopy and/or Root System Architecture Explain Historical Maize Yield Trends in the U.S. Corn Belt?. <i>Crop Science</i> , 2009, 49, 299-312.	0.8	594
67	Intensive Blood Glucose Control and Vascular Outcomes in Patients with Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2008, 358, 2560-2572.	13.9	6,447
68	Genotypic variation for drought stress response traits in soybean. I. Variation in soybean and wild <i>Glycine</i> spp. for epidermal conductance, osmotic potential, and relative water content. <i>Australian Journal of Agricultural Research</i> , 2008, 59, 656.	1.5	31
69	Genotypic variation for drought stress response traits in soybean. III. Broad-sense heritability of epidermal conductance, osmotic potential, and relative water content. <i>Australian Journal of Agricultural Research</i> , 2008, 59, 679.	1.5	8
70	Genotypic variation for drought stress response traits in soybean. II. Inter-relations between epidermal conductance, osmotic potential, relative water content, and plant survival. <i>Australian Journal of Agricultural Research</i> , 2008, 59, 670.	1.5	26
71	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. <i>Genetics</i> , 2007, 177, 1801-1813.	1.2	201
72	Genotype-by-environment interactions for grain yield associated with water availability at flowering in rainfed lowland rice. <i>Field Crops Research</i> , 2007, 101, 145-154.	2.3	36

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73	Global adaptation patterns of Australian and CIMMYT spring bread wheat. <i>Theoretical and Applied Genetics</i> , 2007, 115, 819-835.	1.8	31
74	Modeling Qtl Effects and Mas in Plant Breeding. , 2007, , 57-95.		12
75	Use of drought response index for identification of drought tolerant genotypes in rainfed lowland rice. <i>Field Crops Research</i> , 2006, 99, 48-58.	2.3	110
76	Models for navigating biological complexity in breeding improved crop plants. <i>Trends in Plant Science</i> , 2006, 11, 587-593.	4.3	364
77	Comparison of identity by descent and identity by state for detecting genetic regions under selection in a sorghum pedigree breeding program. <i>Molecular Breeding</i> , 2005, 14, 441-454.	1.0	21
78	Classification of Maize Environments Using Crop Simulation and Geographic Information Systems. <i>Crop Science</i> , 2005, 45, 1708-1716.	0.8	123
79	Preface to Special Issue: Complex traits and plant breeding—can we understand the complexities of gene-to-phenotype relationships and use such knowledge to enhance plant breeding outcomes?. <i>Australian Journal of Agricultural Research</i> , 2005, 56, 869.	1.5	16
80	Gene-to-phenotype models and complex trait genetics. <i>Australian Journal of Agricultural Research</i> , 2005, 56, 895.	1.5	100
81	Changes in Pedigree Backgrounds of Pioneer Brand Maize Hybrids Widely Grown from 1930 to 1999. <i>Crop Science</i> , 2004, 44, 1935-1946.	0.8	64
82	Simulating the Effects of Dominance and Epistasis on Selection Response in the CIMMYT Wheat Breeding Program Using QuCim. <i>Crop Science</i> , 2004, 44, 2006-2018.	0.8	47
83	Genomics, Genetics, and Plant Breeding. <i>Crop Science</i> , 2004, 44, 1907-1913.	0.8	36
84	The Selective Values of Alleles in a Molecular Network Model Are Context Dependent. <i>Genetics</i> , 2004, 166, 1715-1725.	1.2	43
85	Advantage of single-trial models for response to selection in wheat breeding multi-environment trials. <i>Theoretical and Applied Genetics</i> , 2004, 108, 1256-1264.	1.8	14
86	A methodology for analysis of sugarcane productivity trends. 2. Comparing variety trials with commercial productivity. <i>Australian Journal of Agricultural Research</i> , 2004, 55, 109.	1.5	7
87	Yield response of rice ( <i>Oryza sativa</i> L.) genotypes to drought under rainfed lowlands. <i>Field Crops Research</i> , 2004, 89, 281-297.	2.3	23
88	Improving drought tolerance in maize: a view from industry. <i>Field Crops Research</i> , 2004, 90, 19-34.	2.3	500
89	Mapping As You Go. <i>Crop Science</i> , 2004, 44, 1560-1571.	0.8	136
90	The Selective Values of Alleles in a Molecular Network Model Are Context Dependent. <i>Genetics</i> , 2004, 166, 1715-1725.	1.2	16

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91	Prediction of hybrid performance in grain sorghum using RFLP markers. <i>Theoretical and Applied Genetics</i> , 2003, 106, 559-567.	1.8	109
92	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. <i>Plant Production Science</i> , 2003, 6, 95-102.	0.9	12
93	Comparison of Two Breeding Strategies by Computer Simulation. <i>Crop Science</i> , 2003, 43, 1764-1773.	0.8	79
94	Evaluating Plant Breeding Strategies by Simulating Gene Action and Dryland Environment Effects. <i>Agronomy Journal</i> , 2003, 95, 99.	0.9	158
95	On the Determination of Recombination Rates in Intermated Recombinant Inbred Populations. <i>Genetics</i> , 2003, 164, 741-745.	1.2	56
96	Evaluating Plant Breeding Strategies by Simulating Gene Action and Dryland Environment Effects. <i>Agronomy Journal</i> , 2003, 95, 99-113.	0.9	67
97	Identification of research to improve the efficiency of breeding strategies for white clover in Australia - a review. <i>Australian Journal of Agricultural Research</i> , 2002, 53, 239.	1.5	46
98	Yield response of rice ( <i>Oryza sativa</i> L.) genotypes to different types of drought under rainfed lowlands. <i>Field Crops Research</i> , 2002, 73, 153-168.	2.3	163
99	Yield response of rice ( <i>Oryza sativa</i> L.) genotypes to drought under rainfed lowland. <i>Field Crops Research</i> , 2002, 73, 181-200.	2.3	127
100	Yield response of rice ( <i>Oryza sativa</i> L.) genotypes to drought under rainfed lowlands. <i>Field Crops Research</i> , 2002, 73, 169-180.	2.3	124
101	Leaf water potential and osmotic adjustment as physiological traits to improve drought tolerance in rice. <i>Field Crops Research</i> , 2002, 76, 153-163.	2.3	210
102	Using crop simulation to generate genotype by environment interaction effects for sorghum in water-limited environments. <i>Australian Journal of Agricultural Research</i> , 2002, 53, 379.	1.5	108
103	TheE(NK) model: Extending theNK model to incorporate gene-by-environment interactions and epistasis for diploid genomes. <i>Complexity</i> , 2002, 7, 31-47.	0.9	78
104	A rapid PCR protocol for marker assisted detection of heterozygotes in segregating generations involving 1BL/1RS translocation and normal wheat lines. <i>Australian Journal of Agricultural Research</i> , 2002, 53, 931.	1.5	8
105	The GP problem: quantifying gene-to-phenotype relationships. <i>In Silico Biology</i> , 2002, 2, 151-64.	0.4	58
106	Genotype-by-management interactions for grain yield and grain protein concentration of wheat. <i>Field Crops Research</i> , 2001, 69, 47-67.	2.3	71
107	A methodology for analysis of sugarcane productivity trends. I. Analysis across districts. <i>Australian Journal of Agricultural Research</i> , 2001, 52, 1001.	1.5	13
108	Power of the joint segregation analysis method for testing mixed major-gene and polygene inheritance models of quantitative traits. <i>Theoretical and Applied Genetics</i> , 2001, 103, 804-816.	1.8	26

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109	Title is missing!. Euphytica, 2001, 122, 503-519.	0.6	135
110	A comparison of formal and participatory breeding approaches using selection theory. Euphytica, 2001, 122, 463-475.	0.6	100
111	Title is missing!. Euphytica, 2001, 122, 477-490.	0.6	49
112	Using clusters of computers for large QU-GENE simulation experiments. Bioinformatics, 2001, 17, 194-195.	1.8	7
113	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
114	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
115	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
116	Evaluation of experimental designs and spatial analyses in wheat breeding trials. Theoretical and Applied Genetics, 2000, 100, 9-16.	1.8	67
117	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
118	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
119	Concepts and strategies for plant adaptation research in rainfed lowland rice. Field Crops Research, 1999, 64, 13-34.	2.3	50
120	Screening for drought resistance in rainfed lowland rice. Field Crops Research, 1999, 64, 61-74.	2.3	135
121	Rainfed lowland rice breeding strategies for Northeast Thailand.. Field Crops Research, 1999, 64, 131-151.	2.3	91
122	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
123	How can breeding contribute to more productive and sustainable rainfed lowland rice systems?. Field Crops Research, 1999, 64, 199-209.	2.3	21
124	Grain nitrogen concentration differences among three sorghum hybrids with similar grain yield. Australian Journal of Agricultural Research, 1999, 50, 137.	1.5	5
125	Evaluation of white clover ( <i>Trifolium repens</i> L.) populations for summer moisture stress adaptation in Australia. Australian Journal of Agricultural Research, 1999, 50, 561.	1.5	11
126	Title is missing!. Euphytica, 1998, 102, 1-7.	0.6	43



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127	QU-GENE: a simulation platform for quantitative analysis of genetic models. <i>Bioinformatics</i> , 1998, 14, 632-653.	1.8	150
128	Genotype–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.. <i>Australian Journal of Agricultural Research</i> , 1998, 49, 153.	1.5	164
129	Genotypic variation for grain yield and grain nitrogen concentration among sorghum hybrids under different levels of nitrogen fertiliser and water supply. <i>Australian Journal of Agricultural Research</i> , 1998, 49, 737.	1.5	29
130	Sorghum hybrid differences in grain yield and nitrogen concentration under low soil nitrogen availability. I. Hybrids with similar phenology. <i>Australian Journal of Agricultural Research</i> , 1998, 49, 1267.	1.5	12
131	Sorghum hybrid differences in grain yield and nitrogen concentration under low soil nitrogen availability. II. Hybrids with contrasting phenology. <i>Australian Journal of Agricultural Research</i> , 1998, 49, 1277.	1.5	7
132	Title is missing!. <i>Genetic Resources and Crop Evolution</i> , 1997, 44, 289-300.	0.8	15
133	Genetic analysis of preharvest sprouting tolerance in three wheat crosses. <i>Australian Journal of Agricultural Research</i> , 1997, 48, 215.	1.5	12
134	Genetic analysis of variation for grain yield and protein concentration in two wheat crosses. <i>Australian Journal of Agricultural Research</i> , 1997, 48, 605.	1.5	10
135	The role of physiological understanding in plant breeding: from a breeding perspective. <i>Field Crops Research</i> , 1996, 49, 11-37.	2.3	177
136	Influence of rate of development of water deficit on the expression of maximum osmotic adjustment and desiccation tolerance in three grain sorghum lines. <i>Field Crops Research</i> , 1996, 49, 65-76.	2.3	19
137	Influence of phenology on grain yield variation among barley cultivars grown under terminal drought. <i>Australian Journal of Agricultural Research</i> , 1996, 47, 757.	1.5	37
138	A selection strategy to accommodate genotype-by-environment interaction for grain yield of wheat: managed-environments for selection among genotypes. <i>Theoretical and Applied Genetics</i> , 1995, 90, 492-502.	1.8	98
139	Inheritance of osmotic adjustment to water stress in three grain sorghum crosses. <i>Theoretical and Applied Genetics</i> , 1995, 90, 675-682.	1.8	40
140	Variation among low rainfall white clover ( <i>Trifolium repens</i> L.) accessions for morphological attributes and herbage yield. <i>Australian Journal of Experimental Agriculture</i> , 1995, 35, 1109.	1.0	13
141	Development of drought-resistant cultivars using physiomorphological traits in rice. <i>Field Crops Research</i> , 1995, 40, 67-86.	2.3	496
142	Inheritance of anthracnose resistance in the tropical pasture legume <i>Stylosanthes hamata</i> . <i>Australian Journal of Agricultural Research</i> , 1995, 46, 1353.	1.5	3
143	Relationships among analytical methods used to study genotypic variation and genotype-by-environment interaction in plant breeding multi-environment experiments. <i>Theoretical and Applied Genetics</i> , 1994, 88, 561-572.	1.8	281
144	Retrospective analysis of the relationships among the test environments of the Southern Queensland sugarcane breeding programme. <i>Theoretical and Applied Genetics</i> , 1994, 88, 707-716.	1.8	33

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145	Quantitative analysis of the effect of selection history on sugar yield adaptation of sugarcane clones. <i>Theoretical and Applied Genetics</i> , 1994, 87, 627-640.	1.8	5
146	Interpretation of randomly amplified polymorphic DNA marker data for fingerprinting sweet potato ( <i>Ipomoea batatas</i> L.) genotypes. <i>Theoretical and Applied Genetics</i> , 1994, 88-88, 332-336.	1.8	40
147	A procedure for investigating the number of genotypes required to provide a stable classification of environments. <i>Field Crops Research</i> , 1994, 38, 47-56.	2.3	6
148	Enhanced interpretation of pattern analyses of environments: the use of blocks. <i>Field Crops Research</i> , 1994, 37, 25-32.	2.3	2
149	Combining ability variation for osmotic adjustment among a selected range of grain sorghum ( <i>Sorghum bicolor</i> L. Moench) lines. <i>Field Crops Research</i> , 1994, 38, 147-155.	2.3	15
150	An investigation of the grain yield adaptation of advanced CIMMYT wheat lines to water stress environments in Queensland. I. Crop physiological analysis. <i>Australian Journal of Agricultural Research</i> , 1994, 45, 965.	1.5	25
151	An investigation of the grain yield adaptation of advanced CIMMYT wheat lines to water stress environments in Queensland. II. Classification analysis. <i>Australian Journal of Agricultural Research</i> , 1994, 45, 985.	1.5	16
152	Genotypic variation for stolon and other morphological attributes of white clover ( <i>Trifolium repens</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Wales. <i>Australian Journal of Agricultural Research</i> , 1994, 45, 703.	1.5	15
153	A procedure to assess the relative merit of classification strategies for grouping environments to assist selection in plant breeding regional evaluation trials. <i>Field Crops Research</i> , 1993, 35, 63-74.	2.3	10
154	Predicting grain yield in Australian environments using data from CIMMYT international wheat performance trials 3. Testing predicted correlated response to selection. <i>Field Crops Research</i> , 1993, 35, 191-204.	2.3	16
155	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. <i>Field Crops Research</i> , 1993, 32, 323-342.	2.3	19
156	Predicting grain yield in Australian environments using data from CIMMYT international wheat performance trials. 1. Potential for exploiting correlated response to selection. <i>Field Crops Research</i> , 1993, 32, 305-322.	2.3	29
157	Determining appropriate group number and composition for data sets containing repeated check cultivars. <i>Field Crops Research</i> , 1993, 31, 369-383.	2.3	7
158	Genotypic variation of osmotic adjustment and desiccation tolerance in contrasting sorghum inbred lines. <i>Field Crops Research</i> , 1993, 35, 51-62.	2.3	34
159	The impact of genotype multiply environment interactions for sugar yield on the use of indirect selection in southern Queensland. <i>Australian Journal of Experimental Agriculture</i> , 1993, 33, 629.	1.0	19
160	Utility of repeated checks for hierarchical classification of data from plant breeding trials. <i>Field Crops Research</i> , 1992, 30, 79-95.	2.3	22
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