

Kaye E Basford

List of Publications by Year in descending order

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103
papers

2,035
citations

236612

25
h-index

288905

40
g-index

106
all docs

106
docs citations

106
times ranked

1901
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministic and stochastic modelling of impacts from genomic selection and phenomics on genetic gain for perennial ryegrass dry matter yield. <i>Scientific Reports</i> , 2021, 11, 13265.	1.6	4
2	Smoking during Pregnancy and Adverse Birth and Maternal Outcomes in California, 2007 to 2016. <i>American Journal of Perinatology</i> , 2020, 37, 1364-1376.	0.6	22
3	Maternal and infant predictors of infant mortality in California, 2007–2015. <i>PLoS ONE</i> , 2020, 15, e0236877.	1.1	19
4	Trends in maternal prepregnancy body mass index (BMI) and its association with birth and maternal outcomes in California, 2007–2016: A retrospective cohort study. <i>PLoS ONE</i> , 2019, 14, e0222458.	1.1	49
5	Utilization of Multiyear Plant Breeding Data to Better Predict Genotype Performance. <i>Crop Science</i> , 2019, 59, 480-490.	0.8	10
6	Pedigree Data Analysis of a Wheat Population. <i>Proceedings (mdpi)</i> , 2019, 36, 148.	0.2	0
7	QuLinePlus: extending plant breeding strategy and genetic model simulation to cross-pollinated populations—case studies in forage breeding. <i>Heredity</i> , 2019, 122, 684-695.	1.2	16
8	Temporal trends, patterns, and predictors of preterm birth in California from 2007 to 2016, based on the obstetric estimate of gestational age. <i>Maternal Health, Neonatology and Perinatology</i> , 2018, 4, 25.	1.0	25
9	Recent trends, risk factors, and disparities in low birth weight in California, 2005–2014: a retrospective study. <i>Maternal Health, Neonatology and Perinatology</i> , 2018, 4, 15.	1.0	49
10	Application of a dendrogram seriation algorithm to extract pattern from plant breeding data. <i>Euphytica</i> , 2017, 213, 1.	0.6	6
11	Delivering food safety. <i>Frontiers of Agricultural Science and Engineering</i> , 2017, 4, 1.	0.9	0
12	Comparing classical criteria for selecting intra-class correlated features in Multimix. <i>Computational Statistics and Data Analysis</i> , 2016, 103, 350-366.	0.7	0
13	Evaluating Testing Strategies for Plant Breeding Field Trials: Redesigning a CIMMYT International Wheat Nursery. <i>Crop Science</i> , 2015, 55, 164-177.	0.8	23
14	A Genomic Selection Index Applied to Simulated and Real Data. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2155-2164.	0.8	42
15	Application of Multiple Imputation for Missing Values in Three-Way Three-Mode Multi-Environment Trial Data. <i>PLoS ONE</i> , 2015, 10, e0144370.	1.1	3
16	Beyond the Statistical Fringe. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, , 59-70.	0.1	0
17	On the classification of microarray gene-expression data. <i>Briefings in Bioinformatics</i> , 2013, 14, 402-410.	3.2	16
18	IBS: Transformation of Our Governance. <i>Biometrics</i> , 2013, 69, 300-300.	0.8	0

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19	Adaptation analysis of diversity in adzuki germplasm introduced into Australia. <i>Crop and Pasture Science</i> , 2012, 63, 142.	0.7	6
20	Identifying deployment zones for <i>Eucalyptus camaldulensis</i> x <i>E. globulus</i> and x <i>E. grandis</i> hybrids using factor analytic modelling of genotype by environment interaction. <i>Australian Forestry</i> , 2011, 74, 30-35.	0.3	12
21	IBS: Transforming our Governance. <i>Biometrics</i> , 2011, 67, 1185-1188.	0.8	1
22	ImmunoGrid: towards agent-based simulations of the human immune system at a natural scale <sup />. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 2799-2815.	1.6	39
23	Patterns of genotype-by-environment interaction in diameter at breast height at age 3 for eucalypt hybrid clones grown for reforestation of lands affected by salinity. <i>Tree Genetics and Genomes</i> , 2010, 6, 833-851.	0.6	28
24	Future tools for association mapping in crop plants This article is one of a selection of papers from the conference "Exploiting Genome-wide Association in Oilseed Brassicas: a model for genetic improvement of major OECD crops for sustainable farming". <i>Genome</i> , 2010, 53, 1017-1023.	0.9	46
25	Variation in Adzuki Bean (<i>Vigna angularis</i>) Germplasm Grown in China. <i>Crop Science</i> , 2009, 49, 771-782.	0.8	10
26	ImmunoGrid, an integrative environment for large-scale simulation of the immune system for vaccine discovery, design and optimization. <i>Briefings in Bioinformatics</i> , 2008, 10, 330-340.	3.2	36
27	Computational Simulations of the Immune System for Personalized Medicine: State of the Art and Challenges. <i>Current Pharmacogenomics and Personalized Medicine</i> , 2008, 6, 260-271.	0.2	14
28	The availability of nitrogen from sugarcane trash on contrasting soils in the wet tropics of North Queensland. <i>Nutrient Cycling in Agroecosystems</i> , 2006, 75, 101-114.	1.1	69
29	Non-linear principal components analysis: an alternative method for finding patterns in environmental data. <i>Environmetrics</i> , 2006, 17, 1-11.	0.6	24
30	Issues of robustness and high dimensionality in cluster analysis. , 2006, , 3-15.		0
31	Mixed Model Formulations for Multi-Environment Trials. <i>Agronomy Journal</i> , 2004, 96, 143.	0.9	12
32	Using molecular markers to assess the effect of introgression on quantitative attributes of common bean in the Andean gene pool. <i>Theoretical and Applied Genetics</i> , 2004, 108, 243-252.	1.8	54
33	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
34	Grouping three-mode data with mixture methods: the case of the diseased blue crabs. <i>Journal of Chemometrics</i> , 2004, 18, 508-518.	0.7	5
35	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
36	The evaluation of the spatial and temporal stability of sugarcane farm performance based on yield and commercial cane sugar. <i>Australian Journal of Agricultural Research</i> , 2004, 55, 335.	1.5	13

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37	Title is missing!. <i>Agroforestry Systems</i> , 2003, 58, 77-92.	0.9	7
38	Association Between Seed Coat Polyphenolics (Tannins) and Disease Resistance in Common Bean. <i>Plant Foods for Human Nutrition</i> , 2003, 58, 285-297.	1.4	32
39	Utility of cotyledon and detached leaf assays for assessing root reactions of lucerne to <i>Phytophthora</i> root rot caused by <i>Phytophthora medicaginis</i> . <i>Australasian Plant Pathology</i> , 2003, 32, 263.	0.5	11
40	Patterns of resistance to angular leaf spot, anthracnose and common bacterial blight in common bean germplasm. <i>Australian Journal of Experimental Agriculture</i> , 2002, 42, 481.	1.0	4
41	Analysis of genetic diversity within Australian lucerne cultivars and implications for future genetic improvement. <i>Australian Journal of Agricultural Research</i> , 2002, 53, 629.	1.5	23
42	A Comparison of Kodak Ultraspeed and Ektaspeed Plus Dental X-ray Films for the Detection of Dental Caries. <i>Australian Dental Journal</i> , 2002, 47, 27-29.	0.6	7
43	Factors affecting cane yield and commercial cane sugar in the Tully district. <i>Australian Journal of Experimental Agriculture</i> , 2002, 42, 473.	1.0	14
44	Seed compositional and disease resistance differences among gene pools in cultivated common bean. <i>Genetic Resources and Crop Evolution</i> , 2002, 49, 285-293.	0.8	86
45	Genetic variability in cultivated common bean beyond the two major gene pools. <i>Genetic Resources and Crop Evolution</i> , 2002, 49, 271-283.	0.8	42
46	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
47	A comparison of Kodak Ultraspeed and Ektaspeed Plus dental X-ray films for use in endodontics. <i>Australian Dental Journal</i> , 2001, 46, 95-99.	0.6	1
48	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
49	Fitting a Mixture Model to Three-mode Three-way Data with Missing Information. <i>Journal of Classification</i> , 2001, 18, 209-226.	1.2	10
50	Statistical Interaction with Quantitative Geneticists to Enhance Impact from Plant Breeding Programs. , 2001, , 1-15.		0
51	Evaluation of experimental designs and spatial analyses in wheat breeding trials. <i>Theoretical and Applied Genetics</i> , 2000, 100, 9-16.	1.8	67
52	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. <i>Theoretical and Applied Genetics</i> , 2000, 101, 1164-1172.	1.8	5
53	Commercial cane sugar trends in the Tully sugar district. <i>Australian Journal of Experimental Agriculture</i> , 2000, 40, 969.	1.0	9
54	Computer simulation of a selection strategy to accommodate genotype environment interactions in a wheat recurrent selection programme. <i>Plant Breeding</i> , 1999, 118, 17-28.	1.0	66

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55	Fitting a Mixture Model to Three-Mode Three-Way Data with Categorical and Continuous Variables. <i>Journal of Classification</i> , 1999, 16, 283-296.	1.2	18
56	Title is missing!. <i>Euphytica</i> , 1999, 105, 73-82.	0.6	2
57	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
58	Combined Analysis of Categorical and Numerical Descriptors of Australian Groundnut Accessions Using Nonlinear Principal Component Analysis. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 1997, 2, 294.	0.7	9
59	Title is missing!. <i>Euphytica</i> , 1997, 95, 11-20.	0.6	35
60	Title is missing!. <i>Euphytica</i> , 1997, 95, 27-38.	0.6	3
61	Graphical profiles as an aid to understanding plant breeding experiments. <i>Journal of Statistical Planning and Inference</i> , 1997, 57, 93-107.	0.4	12
62	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
63	A laboratory study of dimensional changes for three elastomeric impression materials using custom and stock trays. <i>Australian Dental Journal</i> , 1996, 41, 398-404.	0.6	42
64	Mixed data types and the use of pattern analysis on the Australian groundnut germplasm data. <i>Genetic Resources and Crop Evolution</i> , 1996, 43, 363-376.	0.8	8
65	Intercomparing residuals to find outliers in randomized blocks. <i>Australian Journal of Agricultural Research</i> , 1995, 46, 451.	1.5	3
66	Patterns of diversity in fatty acid composition in the Australian groundnut germplasm collection. <i>Genetic Resources and Crop Evolution</i> , 1995, 42, 243-256.	0.8	17
67	Three-way cluster and component analysis of maize variety trials. <i>Euphytica</i> , 1995, 84, 31-42.	0.6	13
68	Three-Mode Analyses of Maize Using Morphological and Agronomic Attributes Measured in Multilocational Trials. <i>Crop Science</i> , 1995, 35, 1483-1491.	0.8	21
69	Classifying infants in the Strange Situation with three-way mixture method of clustering. <i>British Journal of Psychology</i> , 1995, 86, 397-418.	1.2	3
70	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
71	Enhanced interpretation of pattern analyses of environments: the use of blocks. <i>Field Crops Research</i> , 1994, 37, 25-32.	2.3	2
72	NEIGHBOUR ANALYSIS WITH ADJUSTMENT FOR INTERPLOT COMPETITION. <i>The Australian Journal of Statistics</i> , 1993, 35, 263-270.	0.2	2

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73	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
74	Automated microdensitometry of nucleolar organizer regions using microspectrophoto-microscopy. <i>Journal of Microscopy</i> , 1992, 167, 233-237.	0.8	0
75	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
76	Impact of genotype multiply environment interaction on response to selection in sugarcane. <i>Australian Journal of Experimental Agriculture</i> , 1992, 32, 731.	1.0	15
77	Classifying genotypic data from plant breeding trials: a preliminary investigation using repeated checks. <i>Theoretical and Applied Genetics</i> , 1992, 85, 461-469.	1.8	7
78	Phenotypic and functional analysis of peripheral blood lymphocytes in oral lichen planus. <i>Journal of Oral Pathology and Medicine</i> , 1992, 21, 445-450.	1.4	22
79	NEAREST NEIGHBOUR ANALYSIS OF UNEQUALLY REPLICATED TRIALS. <i>The Australian Journal of Statistics</i> , 1992, 34, 1-9.	0.2	0
80	Analysis of the environmental component of genotype \tilde{A} - environment interaction in crop adaptation evaluation. <i>Field Crops Research</i> , 1991, 28, 71-84.	2.3	21
81	Three-way methods for multiattribute genotype \tilde{A} - environment data: an illustrated partial survey. <i>Field Crops Research</i> , 1991, 27, 131-157.	2.3	24
82	Occlusal contacts: Comparison of orthodontic patients, posttreatment patients, and untreated controls. <i>Journal of Prosthetic Dentistry</i> , 1991, 65, 232-237.	1.1	13
83	Competing Effects Designs and Models for Two-Dimensional Field Arrangements. <i>Biometrics</i> , 1991, 47, 1461.	0.8	18
84	Colonization of perspex strips by larvae of <i>Austrosimulium bancrofti</i> (Taylor) near Ipswich, Queensland. <i>Hydrobiologia</i> , 1991, 218, 255-263.	1.0	2
85	Dimensional change of impressions on sterilization. <i>Australian Dental Journal</i> , 1990, 35, 23-26.	0.6	4
86	Multiattribute evaluation of regional cotton variety trials. <i>Theoretical and Applied Genetics</i> , 1990, 79, 225-234.	1.8	18
87	Cement spacing for the one-step post-core and crown. A new laboratory technique. <i>Australian Dental Journal</i> , 1989, 34, 52-59.	0.6	0
88	An investigation of multi-attribute genotype response across environments using three-mode principal component analysis. <i>Euphytica</i> , 1989, 44, 109-123.	0.6	26
89	ATTITUDES AND KNOWLEDGE OF NURSING STAFF IN RELATION TO MANAGEMENT OF POSTOPERATIVE PAIN. <i>ANZ Journal of Surgery</i> , 1987, 57, 447-450.	0.3	31
90	The effects of surface roughness and surface area on the retention of crowns luted with zinc phosphate cement. <i>Australian Dental Journal</i> , 1987, 32, 446-457.	0.6	15

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91	The Effect of Temperature on Growth, Oil Yield and Oil Quality of Japanese Mint. <i>Annals of Botany</i> , 1986, 58, 729-736.	1.4	43
92	The mixture method of clustering applied to three-way data. <i>Journal of Classification</i> , 1985, 2, 109-125.	1.2	71
93	Cluster analysis in a randomized complete block design. <i>Communications in Statistics - Theory and Methods</i> , 1985, 14, 451-463.	0.6	5
94	Estimation of Allocation Rates in a Cluster Analysis Context. <i>Journal of the American Statistical Association</i> , 1985, 80, 286-293.	1.8	25
95	Genetic variation in sodium and potassium concentration in herbage of <i>Digitaria milanjiana</i> , and its relation to provenance. <i>Australian Journal of Agricultural Research</i> , 1985, 36, 201.	1.5	3
96	The use of multidimensional scaling in analysing multi-attribute genotype response across environments. <i>Australian Journal of Agricultural Research</i> , 1982, 33, 473.	1.5	12
97	Reliability and validity of lower third molar space-assessment techniques. <i>American Journal of Orthodontics</i> , 1981, 79, 45-53.	0.4	37
98	Dental students at the University of Queensland. Entrance and performance 1960 to 1979. <i>Australian Dental Journal</i> , 1981, 26, 146-152.	0.6	0
99	The use of matrix specifications in defining gene action in genotypic value models and generation mean analysis. <i>Theoretical and Applied Genetics</i> , 1979, 55, 225-229.	1.8	8
100	A comparison of the casting ability of precious and nonprecious alloys for porcelain veneering. <i>Journal of Prosthetic Dentistry</i> , 1977, 37, 527-536.	1.1	32
101	Multivariate analyses of the influence of mottling doses of fluoride on the amino acids of enamel matrix protein of rat incisors. <i>Archives of Oral Biology</i> , 1976, 21, 121-129.	0.8	10
102	The effect of fluoride on the immature enamel matrix protein of the rat. <i>Archives of Oral Biology</i> , 1976, 21, 131-132.	0.8	29
103	Visualising the pattern of long-term genotype performance by leveraging a genomic prediction model. <i>Australian and New Zealand Journal of Statistics</i> , 0, , .	0.4	1