Maryke T Labuschagne

List of Publications by Year
in descending order

165 papers	3,292 citations	159358 30 h-index	243296 44 g-index
168 all docs	168 docs citations	168 times ranked	3298 citing authors

#	Article	IF	Citations
1	Gains in Maize Genetic Improvement in Eastern and Southern Africa: I. CIMMYT Hybrid Breeding Pipeline. Crop Science, 2017, 57, 168-179.	0.8	94
2	Comparison of Kompetitive Allele Specific PCR (KASP) and genotyping by sequencing (GBS) for quality control analysis in maize. BMC Genomics, 2015, 16, 908.	1.2	89
3	The influence of temperature extremes on some quality and starch characteristics in bread, biscuit and durum wheat. Journal of Cereal Science, 2009, 49, 184-189.	1.8	83
4	Physiological responses of wheat to drought stress and its mitigation approaches. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	83
5	Title is missing!. Euphytica, 2000, 113, 19-24.	0.6	81
6	Genetic diversity analysis in sorghum germplasm as estimated by AFLP, SSR and morpho-agronomical markers. Biodiversity and Conservation, 2006, 15, 3251-3265.	1.2	81
7	Gains in Maize Genetic Improvement in Eastern and Southern Africa: II. CIMMYT Openâ€Pollinated Variety Breeding Pipeline. Crop Science, 2017, 57, 180-191.	0.8	63
8	Stability of native starch quality parameters, starch extraction and root dry matter of cassava genotypes in different environments. Journal of the Science of Food and Agriculture, 2004, 84, 1381-1388.	1.7	61
9	Genetic Variability in Pepper (Capsicum annuum L.) Estimated by Morphological Data and Amplified Fragment Length Polymorphism Markers. Biodiversity and Conservation, 2005, 14, 2361-2375.	1.2	59
10	Identification, characterisation and application of single nucleotide polymorphisms for diversity assessment in cassava (Manihot esculenta Crantz). Molecular Breeding, 2009, 23, 669-684.	1.0	59
11	Trans-Î²-carotene, selected mineral content and potential nutritional contribution of 12 sweetpotato varieties. Journal of Food Composition and Analysis, 2012, 27, 151-159.	1.9	57
12	The Effect of Variety and Location on Cactus Pear (Opuntia ficus-indica) Fruit Quality. Plant Foods for Human Nutrition, 2010, 65, 136-145.	1.4	53
13	Interpretation of genotypeÃ—environment interactions of sugarcane: Identifying significant environmental factors. Field Crops Research, 2011, 124, 392-399.	2.3	53
14	Combining ability and testcross performance of droughtâ€tolerant maize inbred lines under stress and nonâ€stress environments in Kenya. Plant Breeding, 2017, 136, 197-205.	1.0	50
15	Ecogeographical distribution of wild, weedy and cultivated Sorghum bicolor (L.) Moench in Kenya: implications for conservation and crop-to-wild gene flow. Genetic Resources and Crop Evolution, 2010, 57, 243-253.	0.8	49
16	Genetic structure and relationships within and between cultivated and wild sorghum (Sorghum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 2011, 122, 989-1004.	1.8	48
17	Association of parental genetic distance with heterosis and specific combining ability in quality protein maize. Euphytica, 2013, 191, 205-216.	0.6	48
18	Diversity in starch, protein and mineral composition of sorghum landrace accessions from Ethiopia. Journal of Crop Science and Biotechnology, 2012, 15, 275-280.	0.7	45

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19	Variability in oil content and fatty acid composition of Ethiopian and introduced cultivars of linseed. Journal of the Science of Food and Agriculture, 2004, 84, 601-607.	1.7	42
20	The evaluation of oil and fatty acid composition in seed of cotton accessions from various countries. Journal of the Science of Food and Agriculture, 2007, 87, 340-347.	1.7	41
21	Fatty acid and oil variation in seed from kenaf (Hibiscus cannabinus L.). Industrial Crops and Products, 2008, 27, 104-109.	2.5	40
22	Multinutrient Biofortification of Maize (Zea mays L.) in Africa: Current Status, Opportunities and Limitations. Nutrients, 2021, 13, 1039.	1.7	40
23	Title is missing!. Euphytica, 2003, 133, 267-277.	0.6	39
24	Genetic diversity and correlation of bean caffeine content with cup quality and green bean physical characteristics in coffee (Coffea arabica L.). Journal of the Science of Food and Agriculture, 2008, 88, 1726-1730.	1.7	39
25	Fallâ€armyworm invasion, control practices and resistance breeding in Subâ€Saharan Africa. Crop Science, 2020, 60, 2951-2970.	0.8	39
26	Combining ability and heritability for vitamin C and total soluble solids in pepper (Capsicum annuum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	38
27	Diallel analysis of field resistance to brown streak disease in cassava (Manihot esculenta Crantz) landraces from Tanzania. Euphytica, 2012, 187, 277-288.	0.6	37
28	Heritability estimates of bread wheat quality traits in the Western Cape province of South Africa. Euphytica, 2002, 127, 115-122.	0.6	36
29	Genome-wide association mapping of provitamin A carotenoid content in cassava. Euphytica, 2016, 212, 97-110.	0.6	36
30	Genetic variation and population structure of maize inbred lines adapted to the mid-altitude sub-humid maize agro-ecology of Ethiopia using single nucleotide polymorphic (SNP) markers. BMC Genomics, 2017, 18, 777.	1.2	36
31	The use of sensory attributes, sugar content, instrumental data and consumer acceptability in selection of sweet potato varieties. Journal of the Science of Food and Agriculture, 2013, 93, 1610-1619.	1.7	35
32	From sugar industry to cane industry: Evaluation and simultaneous selection of different types of high biomass canes. Biomass and Bioenergy, 2014, 61, 82-92.	2.9	35
33	OIL CONTENT AND FATTY ACID COMPOSITION OF CACTUS PEAR SEED COMPARED WITH COTTON AND GRAPE SEED. Journal of Food Biochemistry, 2010, 34, 93-100.	1.2	34
34	A review of cereal grain proteomics and its potential for sorghum improvement. Journal of Cereal Science, 2018, 84, 151-158.	1.8	34
35	Characterization and genetic distance analysis of cassava (Manihot esculenta Crantz) germplasm from Mozambique using RAPD fingerprinting. Euphytica, 2004, 138, 49-53.	0.6	33
36	Genetic Dissection of Nitrogen Use Efficiency in Tropical Maize Through Genome-Wide Association and Genomic Prediction. Frontiers in Plant Science, 2020, 11, 474.	1.7	33

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37	Genetic diversity of cassava (Manihot esculentaCrantz) landraces and cultivars from southern, eastern and central Africa. Plant Genetic Resources: Characterisation and Utilisation, 2013, 11, 170-181.	0.4	32
38	Qualitative Traits Variation in Sorghum (Sorghum Bicolor (L.) Moench) Germplasm from, Eastern Highlands of Ethiopia. Biodiversity and Conservation, 2005, 14, 3055-3064.	1.2	31
39	From sugar industry to cane industry: investigations on multivariate data analysis techniques in the identification of different high biomass sugarcane varieties. Euphytica, 2012, 185, 543-558.	0.6	30
40	Genotype Ã— Environment Interaction of Maize Grain Yield Using AMMI Biplots. Crop Science, 2014, 54, 1992-1999.	0.8	30
41	Combining ability for yield and fibre characteristics in Tanzanian cotton germplasm. Euphytica, 2008, 161, 383-389.	0.6	29
42	Relationships between heterosis, genetic distances and specific combining ability among CIMMYT and Zimbabwe developed maize inbred lines under stress and optimal conditions. Euphytica, 2015, 204, 635-647.	0.6	27
43	Selection of cowpea genotypes based on grain mineral and total protein content. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2019, 69, 155-166.	0.3	27
44	Genotype and genotypeâ€‰Ã—â€‰environment interaction effects on the grain yield performance of cowpea genotypes in dryland farming system in South Africa. Euphytica, 2020, 216, 1.	0.6	27
45	Measuring the impact of plant breeding on sub-Saharan African staple crops. Outlook on Agriculture, 2018, 47, 163-180.	1.8	26
46	The influence of different nitrogen treatments on the size distribution of protein fractions in hard and soft wheat. Journal of Cereal Science, 2006, 43, 315-321.	1.8	25
47	Isolation and physicochemical characterisation of starch from cocoyam (Colocasia esculenta) grown in Malawi. Journal of the Science of Food and Agriculture, 2010, 90, n/a-n/a.	1.7	25
48	Stability of seed oil quality traits in high and mid-oleic acid sunflower hybrids. Euphytica, 2013, 193, 157-168.	0.6	25
49	The development and release of maize fortified with provitamin A carotenoids in developing countries. Critical Reviews in Food Science and Nutrition, 2019, 59, 1284-1293.	5.4	25
50	Title is missing!. Euphytica, 2003, 132, 109-113.	0.6	24
51	Phenotypic variation in barley (Hordeum vulgare L.) landraces from north Shewa in Ethiopia. Biodiversity and Conservation, 2004, 13, 1441-1451.	1.2	24
52	Investigating test site similarity, trait relations and causes of genotypeÃ—environment interactions of sugarcane in the Midlands region of South Africa. Field Crops Research, 2012, 129, 71-80.	2.3	24
53	Combining ability of cassava genotypes for cassava mosaic disease and cassava bacterial blight, yield and its related components in two ecological zones in Ghana. Euphytica, 2013, 194, 13-24.	0.6	24
54	Recent advances in banana (musa spp.) biofortification to alleviate vitamin A deficiency. Critical Reviews in Food Science and Nutrition, 2019, 59, 3498-3510.	5.4	24

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55	Title is missing!. Euphytica, 2002, 124, 65-70.	0.6	22
56	Parametric and nonparametric measures of phenotypic stability in linseed (Linum usitatissimum L.). Euphytica, 2003, 129, 211-218.	0.6	22
57	Variation in qualitative and quantitative traits of cassava germplasm from selected national breeding programmes in sub-Saharan Africa. Field Crops Research, 2011, 122, 151-156.	2.3	22
58	Multienvironment Performance of New Orangeâ€Fleshed Sweetpotato Cultivars in South Africa. Crop Science, 2015, 55, 1585-1595.	0.8	22
59	The influence of environment and season on stalk yield in kenaf. Industrial Crops and Products, 2009, 29, 377-380.	2.5	21
60	Local scale patterns of gene flow and genetic diversity in a cropâ€“wildâ€“weedy complex of sorghum (Sorghum bicolor (L.) Moench) under traditional agricultural field conditions in Kenya. Conservation Genetics, 2012, 13, 1059-1071.	0.8	21
61	Combining Ability of Certain Agronomic Traits in Quality Protein Maize under Stress and Nonstress Environments in Eastern and Southern Africa. Crop Science, 2014, 54, 1004-1014.	0.8	21
62	Stability and genotype by environment interaction of provitamin A carotenoid and dry matter content in cassava in Uganda. Breeding Science, 2016, 66, 434-443.	0.9	21
63	Abiotic stress induced changes in protein quality and quantity of two bread wheat cultivars. Journal of Cereal Science, 2016, 69, 259-263.	1.8	21
64	Yield traits as selection indices in seedling populations of cassava. Crop Breeding and Applied Biotechnology, 2010, 10, 191-196.	0.1	21
65	Capillary gas chromatography analysis of Ethiopian mustard to determine variability of fatty acid composition. Journal of the Science of Food and Agriculture, 2004, 84, 1663-1670.	1.7	20
66	The Influence of Environment on Starch Content and Amylose to Amylopectin Ratio in Wheat. Starch/Staerke, 2007, 59, 234-238.	1.1	20
67	Diallel analysis of provitamin A carotenoid and dry matter content in cassava (<i>Manihot) Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	20
68	Breeding of Vegetable Cowpea for Nutrition and Climate Resilience in Sub-Saharan Africa: Progress, Opportunities, and Challenges. Plants, 2022, 11, 1583.	1.6	20
69	Diallel analysis of cassava brown streak disease, yield and yield related characteristics in Mozambique. Euphytica, 2010, 176, 309-320.	0.6	19
70	Multivariate assessment of canning quality, chemical characteristics and yield of small white canning beans (Phaseolus vulgaris L) in South Africa. Journal of the Science of Food and Agriculture, 2001, 81, 30-35.	1.7	18
71	Quantification of Mineral Composition and Total Protein Content in Sorghum [Sorghum Bicolor(L.) Moench] Genotypes. Cereal Research Communications, 2016, 44, 272-285.	0.8	18
72	Genetic Dissection of Grain Yield and Agronomic Traits in Maize under Optimum and Low-Nitrogen Stressed Environments. International Journal of Molecular Sciences, 2020, 21, 543.	1.8	18

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73	The evaluation of a southern African cowpea germplasm collection for seed yield and yield components. Crop Science, 2021, 61, 466-489.	0.8	17
74	Effect of heat stress on seed yield components and oil composition in high- and mid-oleic sunflower hybrids. South African Journal of Plant and Soil, 2015, 32, 121-128.	0.4	16
75	Gluten protein response to heat and drought stress in durum wheat as measured by reverse phase - High performance liquid chromatography. Journal of Cereal Science, 2021, 100, 103267.	1.8	16
76	Inheritance of evapotranspiration and transpiration efficiencies in diallel F1hybrids of durum wheat (Triticum turgidum L. var. durum). Euphytica, 2004, 136, 69-79.	0.6	15
77	Influencing factors of sodium dodecyl sulfate sedimentation in bread wheat. Journal of Cereal Science, 2010, 52, 96-99.	1.8	15
78	Integrating Empirical and Analytical Approaches to Investigate Genotype Ã— Environment Interactions in Sugarcane. Crop Science, 2012, 52, 2153-2165.	0.8	15
79	Components of resistance to banana weevil (Cosmopolites sordidus) in Musa germplasm in Uganda. Entomologia Experimentalis Et Applicata, 2007, 122, 27-35.	0.7	14
80	Iron and Zinc in Maize in the Developing World: Deficiency, Availability, and Breeding. Crop Science, 2018, 58, 2200-2213.	0.8	14
81	Proteomic Analysis of Proteins Responsive to Drought and Low Temperature Stress in a Hard Red Spring Wheat Cultivar. Molecules, 2020, 25, 1366.	1.7	14
82	Assessment of genetic diversity and structure of Bambara groundnut [Vigna subterranea (L.) verdc.] landraces in South Africa. Scientific Reports, 2021, 11, 7408.	1.6	14
83	Genetic variability, stability and heritability for quality and yield characteristics in provitamin A cassava varieties. Euphytica, 2020, 216, 31.	0.6	14
84	Salicylic Acid Improves Growth and Physiological Attributes and Salt Tolerance Differentially in Two Bread Wheat Cultivars. Plants, 2022, 11, 1853.	1.6	14
85	Biscuit-making quality of backcross derivatives of wheat differing in kernel hardness. Euphytica, 1997, 96, 263-266.	0.6	13
86	The influence of eyespot resistance genes on baking quality and yield in wheat. Journal of the Science of Food and Agriculture, 2002, 82, 1537-1540.	1.7	13
87	Chromosome locations of leaf rust resistance genes in selected tetraploid wheats through substitution lines. Euphytica, 2005, 141, 209-216.	0.6	13
88	Introgression of whitefly (Aleurotrachelus socialis) resistance gene from F1 inter-specific hybrids into commercial cassava. Euphytica, 2012, 183, 19-26.	0.6	13
89	Genetic variability among sorghum accessions for seed starch and stalk total sugar content. Scientia Agricola, 2014, 71, 472-479.	0.6	13
90	Effects of different fertilization levels on the concentration of high molecular weight glutenin subunits of two spring, hard red bread wheat cultivars. Cereal Chemistry, 2019, 96, 1004-1010.	1.1	13

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91	Proximate Composition, Cyanide Content, and Carotenoid Retention after Boiling of Provitamin A-Rich Cassava Grown in Ghana. Foods, 2020, 9, 1800.	1.9	13
92	Efficiency of indirect selection for grain yield in maize (Zea mays L.) under low nitrogen conditions through secondary traits under low nitrogen and grain yield under optimum conditions. Euphytica, 2020, 216, 1.	0.6	12
93	Line Ã— tester analysis of maize grain yield under acid and nonâ€acid soil conditions. Crop Science, 2020, 60, 991-1003.	0.8	12
94	Protein quality and endosperm modification of quality protein maize (Zea mays L.) under two contrasting soil nitrogen environments. Field Crops Research, 2011, 121, 408-415.	2.3	11
95	Variability of carotenoids in a Musa germplasm collection and implications for provitamin A biofortification. Food Chemistry: X, 2019, 2, 100024.	1.8	11
96	Tocochromanol concentration, protein composition and baking quality of white flour of South African wheat cultivars. Journal of Food Composition and Analysis, 2014, 33, 127-131.	1.9	10
97	Genetic Diversity among Selected Elite CIMMYT Maize Hybrids in East and Southern Africa. Crop Science, 2017, 57, 2395-2404.	0.8	10
98	The impact of cold temperatures during grain maturation on selected quality parameters of wheat. Journal of the Science of Food and Agriculture, 2007, 87, 1783-1793.	1.7	9
99	Variation of fruit size and shape in Kiyomi tangor families. Scientia Horticulturae, 2013, 162, 357-364.	1.7	9
100	The influence of storage conditions on starch and amylose content of South African quality protein maize and normal maize hybrids. Journal of Stored Products Research, 2014, 56, 16-20.	1.2	9
101	Effects of In Vitro Polyploidization on Agronomic Characteristics and Fruit Carotenoid Content; Implications for Banana Genetic Improvement. Frontiers in Plant Science, 2019, 10, 1450.	1.7	9
102	The Influence of Soil Acidity on the Physiological Responses of Two Bread Wheat Cultivars. Plants, 2020, 9, 1472.	1.6	9
103	Solvent retention capacity and swelling index of glutenin in hard red wheat flour as possible indicators of rheological and baking quality characteristics. Journal of Cereal Science, 2020, 93, 102983.	1.8	9
104	Plant and fruit characteristics of cactus pear (Opuntia spp.) cultivars in South Africa. Journal of the Science of Food and Agriculture, 2006, 86, 1921-1925.	1.7	8
105	Allelic variation of HMW glutenin subunits of Ethiopian bread wheat cultivars and their quality. African Crop Science Journal, 2011, 19, .	0.1	8
106	Genetic diversity assessment in sorghum accessions using qualitative morphological and amplified fragment length polymorphism markers. Scientia Agricola, 2014, 71, 394-401.	0.6	8
107	Effect of quantity of HMW-GS 1Ax1, 1Bx13, 1By16, 1Dx5 and 1Dy10 on baking quality in different genetic backgrounds and environments. LWT - Food Science and Technology, 2017, 78, 160-164.	2.5	8
108	Solvent Retention Capacity and Gluten Protein Composition of Durum Wheat Flour as Influenced by Drought and Heat Stress. Plants, 2021, 10, 1000.	1.6	8

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109	Fall Armyworm Tolerance of Maize Parental Lines, Experimental Hybrids, and Commercial Cultivars in Southern Africa. Agronomy, 2022, 12, 1463.	1.3	8
110	Agronomic performance of new cream to yellow-orange sweetpotato cultivars in diverse environments across South Africa. South African Journal of Plant and Soil, 2015, 32, 147-155.	0.4	7
111	Diallel analysis of acid soil tolerant and susceptible maize inbred lines for grain yield under acid and non-acid soil conditions. Euphytica, 2017, 213, 1.	0.6	7
112	Bread Wheat (Triticum aestivum) Responses to Arbuscular Mycorrhizae Inoculation under Drought Stress Conditions. Plants, 2021, 10, 1756.	1.6	7
113	Increased storage protein from interspecific F1 hybrids between cassava (Manihot esculenta Crantz) and its wild progenitor (M. esculenta ssp. flabellifolia). Euphytica, 2012, 185, 303-311.	0.6	6
114	QTL Analysis for Root Protein in a Backcross Family of Cassava Derived from Manihot esculenta ssp flabellifolia. Tropical Plant Biology, 2012, 5, 161-172.	1.0	6
115	Developing Cassava Mosaic Disease resistant cassava varieties in Ghana using a marker assisted selection approach. Euphytica, 2015, 203, 549-556.	0.6	6
116	The Content of Tocols in South African Wheat; Impact on Nutritional Benefits. Foods, 2017, 6, 95.	1.9	6
117	Genotype x environment interactions and optimum resource allocation for sugarcane yield trials in Swaziland. Journal of Crop Improvement, 2018, 32, 441-452.	0.9	6
118	Relationship between Grain Yield and Quality Traits under Optimum and Low-Nitrogen Stress Environments in Tropical Maize. Agronomy, 2022, 12, 438.	1.3	6
119	Heritability and Associations among Grain Yield and Quality Traits in Quality Protein Maize (QPM) and Non-QPM Hybrids. Plants, 2022, 11, 713.	1.6	6
120	Interrelationship between grain yield components and nutritional quality traits in cowpea genotypes. South African Journal of Botany, 2022, 150, 34-43.	1.2	6
121	Grain and milling characteristics and their relationship with selected mixogram parameters in hard red bread wheat. Journal of Cereal Science, 2013, 57, 56-60.	1.8	5
122	Genetic variation and trait associations of yield, protein and grain micronutrients for identification of promising sorghum varieties. Cereal Research Communications, 2016, 44, 681-693.	0.8	5
123	Quality assessment with HPLC in released varieties of tetraploid (Triticum durum Desf.) wheat from Ethiopia and Spain. Cereal Research Communications, 2016, 44, 617-627.	0.8	5
124	Influence of low soil nitrogen and phosphorus on gluten polymeric and monomeric protein distribution in two high quality spring wheat cultivars. Journal of Cereal Science, 2020, 91, 102867.	1.8	5
125	Determining the optimum gamma irradiation dose for developing novel maize genotypes. Journal of Crop Improvement, 2021, 35, 568-581.	0.9	5
126	Protein quality and quantity of quality protein maize (QPM) and nonâ€QPM hybrids under optimal and low nitrogen conditions. Cereal Chemistry, 2021, 98, 507-516.	1.1	5

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127	Identifying Quality Protein Maize Inbred Lines for Improved Nutritional Value of Maize in Southern Africa. Foods, 2022, 11, 898.	1.9	5
128	Diversity in seed protein content, selected minerals, oil content and fatty acid composition of the Southern African Bambara groundnut germplasm collection. Journal of Food Composition and Analysis, 2022, 109, 104477.	1.9	5
129	Assessment of genetic diversity in sorghum using phenotypic markers. Cereal Research Communications, 2013, 41, 509-518.	0.8	4
130	GENOTYPIC VARIATION OF RIND COLOUR IN CITRUS TANGOR KIYOMI FAMILIES. Acta Horticulturae, 2015, , 439-447.	0.1	4
131	The influence of abiotic stress conditions on dough mixing characteristics of two hard red spring wheat cultivars. Journal of Cereal Science, 2015, 63, 134-139.	1.8	4
132	Trends and magnitudes of genotype Ã— environment interaction variance components for yield, quality and agronomic traits among coastal short cycle sugarcane breeding populations. South African Journal of Plant and Soil, 2018, 35, 41-50.	0.4	4
133	Location and crop-year effects on sugarcane genotype performance for the coastal short cycle breeding programmes in South Africa. South African Journal of Plant and Soil, 2018, 35, 79-87.	0.4	4
134	Defining associations between grain yield and protein quantity and quality in wheat from the three primary production regions of South Africa. Journal of Cereal Science, 2018, 79, 294-302.	1.8	4
135	Contribution of sugarcane crop wild relatives in the creation of improved varieties in Mauritius. Plant Genetic Resources: Characterisation and Utilisation, 2019, 17, 151-163.	0.4	4
136	Combining Ability and Genetic Components of Yield Characteristics, Dry Matter Content, and Total Carotenoids in Provitamin A Cassava F1 Cross-Progeny. Agronomy, 2020, 10, 1850.	1.3	4
137	Combining ability of soybean (Glycine max L.) yield performance and related traits under water-limited stress conditions. Euphytica, 2021, 217, 1.	0.6	4
138	Variability in the concentration of mineral elements and phytochemical contents of cowpea genotypes for crop improvement. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2021, 71, 132-144.	0.3	4
139	Genetic diversity among South African cactus pear genebank accessions using AFLP markers. Bradleya, 2011, 29, 103-114.	0.0	3
140	Sprouting tolerance and falling number in South African hybrid bread wheat cultivars and their parent lines. Journal of Cereal Science, 2012, 56, 754-759.	1.8	3
141	Dough mixing characteristics measured by Mixsmart software as possible predictors of bread making quality in three production regions of South Africa. Journal of Cereal Science, 2016, 70, 192-198.	1.8	3
142	Estimation of outcrossing rates in intraspecific (Oryza sativa) and interspecific (Oryza sativaÂÃ—ÂOryza) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	3
143	Genetic diversity of improved varieties of intraspecific (O. sativa and O. glaberrima) and interspecific (O. sativa Ã— O. glaberrima) rice. Genetic Resources and Crop Evolution, 2018, 65, 797-809.	0.8	3
144	Contribution of Genetic Resources to Grain Storage Protein Composition and Wheat Quality. , 2020, , 39-72.		3

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145	Microsatellite-based assessment of fiveSolanum nigrumcomplex species and their progeny. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2010, 60, 494-499.	0.3	2
146	Genetic Relationships in Malawian Cocoyam Measured by Morphological and DNA Markers. Crop Science, 2016, 56, 1189-1198.	0.8	2
147	Quantifying sugarcane cultivar differences in tiller and stalk phenology: identifying traits suited to crop model-assisted breeding. Journal of Crop Improvement, 2018, 32, 847-860.	0.9	2
148	The Influence of Water Stress on Yield and Related Characteristics in Inbred Quality Protein Maize Lines and Their Hybrid Progeny. , 0, , .		2
149	The impact of low nitrogen conditions on the chemical composition and flour pasting properties of quality protein maize. Cereal Research Communications, 2022, 50, 1117-1125.	0.8	2
150	Relationship Between Malting Quality Traits and Hordeins as Affected by Timing of Nitrogen Fertilizer Application. Cereal Chemistry, 2010, 87, 393-397.	1.1	1
151	The relationship between selected mixogram parameters and rheological and baking characteristics in hard red bread wheat grown in South Africa. Journal of Cereal Science, 2014, 59, 219-223.	1.8	1
152	Can Protein Quantity and Quality Predict the Breadmaking Quality of South African Wheat?. Cereal Foods World, 2017, 62, 196-201.	0.7	1
153	Genetic relationships and heterotic structure of quality protein maize (Zea mays L.) inbred lines adapted to eastern and southern Africa. Euphytica, 2018, 214, 1.	0.6	1
154	Trends in broad-sense heritability and predicted selection gains for the coastal short cycle breeding sugarcane programmes in South Africa. South African Journal of Plant and Soil, 2018, 35, 89-99.	0.4	1
155	Provitamin A Maize Hybrid Response to Drought, Heat, Low Nitrogen, and Low Phosphorous Stress. Crop Science, 2019, 59, 2533-2543.	0.8	1
156	Low nitrogen and phosphorus effects on wheat Fe, Zn, phytic acid and phenotypic traits. South African Journal of Science, 2021, 117, .	0.3	1
157	Xenia and Deficit Nitrogen Influence the Iron and Zinc Concentration in the Grains of Hybrid Maize. Agronomy, 2021, 11, 1388.	1.3	1
158	Does the quality protein maize trait cause hybrid yield losses? A case study in Southern Africa. Euphytica, 2022, 218, .	0.6	1
159	The inheritance and expression of grain texture in wheat, as measured by a microtome procedure. Euphytica, 2000, 112, 261-265.	0.6	0
160	The interaction of stem strength with plant density and nitrogen application in wheat progeny from parents with varying stem strength. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2012, 62, 251-255.	0.3	0
161	Heritability and expression of selected mixograph parameters in progeny of parents varying for mixing time. Cereal Research Communications, 2016, 44, 472-480.	0.8	0
162	The effect of different milling procedures on dough mixing parameters of hard red bread wheat. Cereal Research Communications, 2020, 48, 477-483.	0.8	0

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163	Genetic Analysis of Yield and Quality Characteristics in Provitamin A Hybrid Cassava Families in Ghana. Agronomy, 2021, 11, 1911.	1.3	0
164	Components of resistance to banana weevil (Cosmopolites sordidus) in Musa germplasm in Uganda. Entomologia Experimentalis Et Applicata, 2006, .	0.7	0
165	The Use of SE-HPLC for Quality Prediction in Two African Countries. Special Publication - Royal Society of Chemistry, 2007, , 105-108.	0.0	0