

Alan W Cruickshank

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,470
citations

516710

16
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

2047
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-genome sequencing reveals untapped genetic potential in Africa's indigenous cereal crop sorghum. <i>Nature Communications</i> , 2013, 4, 2320.	12.8	405
2	The Relationship Between the Stay-Green Trait and Grain Yield in Elite Sorghum Hybrids Grown in a Range of Environments. <i>Crop Science</i> , 2012, 52, 1153-1161.	1.8	148
3	Exploring and Exploiting Genetic Variation from Unadapted Sorghum Germplasm in a Breeding Program. <i>Crop Science</i> , 2011, 51, 1444-1457.	1.8	96
4	Extensive variation within the pan-genome of cultivated and wild sorghum. <i>Nature Plants</i> , 2021, 7, 766-773.	9.3	94
5	Large-scale GWAS in sorghum reveals common genetic control of grain size among cereals. <i>Plant Biotechnology Journal</i> , 2020, 18, 1093-1105.	8.3	72
6	Whole-Genome Analysis of Candidate genes Associated with Seed Size and Weight in Sorghum bicolor Reveals Signatures of Artificial Selection and Insights into Parallel Domestication in Cereal Crops. <i>Frontiers in Plant Science</i> , 2017, 8, 1237.	3.6	59
7	Inter- and intra-specific variation in accumulation of cadmium by peanut, soybean, and navybean. <i>Australian Journal of Agricultural Research</i> , 1997, 48, 1151.	1.5	58
8	A physiological framework to explain genetic and environmental regulation of tillering in sorghum. <i>New Phytologist</i> , 2014, 203, 155-167.	7.3	53
9	The plasticity of NBS resistance genes in sorghum is driven by multiple evolutionary processes. <i>BMC Plant Biology</i> , 2014, 14, 253.	3.6	49
10	QTL analysis in multiple sorghum populations facilitates the dissection of the genetic and physiological control of tillering. <i>Theoretical and Applied Genetics</i> , 2014, 127, 2253-2266.	3.6	43
11	Allelic variation at a single gene increases food value in a drought-tolerant staple cereal. <i>Nature Communications</i> , 2013, 4, 1483.	12.8	41
12	Peanut Stripe Potyvirus Resistance in Peanut (<i>Arachis Hypogaea</i> L.) Plants Carrying Viral Coat Protein Gene Sequences. <i>Transgenic Research</i> , 2004, 13, 59-67.	2.4	40
13	Near Infrared Reflectance as a Rapid and Inexpensive Surrogate Measure for Fatty Acid Composition and Oil Content of Peanuts (<i>Arachis Hypogaea</i> L.). <i>Journal of Near Infrared Spectroscopy</i> , 2005, 13, 287-291.	1.5	33
14	Novel Grain Weight Loci Revealed in a Cross between Cultivated and Wild Sorghum. <i>Plant Genome</i> , 2018, 11, 170089.	2.8	26
15	From bits to bites: Advancement of the Germinate platform to support prebreeding informatics for crop wild relatives. <i>Crop Science</i> , 2021, 61, 1538-1566.	1.8	26
16	Two distinct classes of QTL determine rust resistance in sorghum. <i>BMC Plant Biology</i> , 2014, 14, 366.	3.6	23
17	Sorghum as a novel biomass for the sustainable production of cellulose nanofibers. <i>Industrial Crops and Products</i> , 2021, 171, 113917.	5.2	20
18	Patterns of diversity in fatty acid composition in the Australian groundnut germplasm collection. <i>Genetic Resources and Crop Evolution</i> , 1995, 42, 243-256.	1.6	17

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19	Lack of Low Frequency Variants Masks Patterns of Non-Neutral Evolution following Domestication. PLoS ONE, 2011, 6, e23041.	2.5	17
20	Peanut resistance to Sclerotinia minor and S. sclerotiorum. Australian Journal of Agricultural Research, 2002, 53, 1105.	1.5	16
21	Predicting Tillering of Diverse Sorghum Germplasm across Environments. Crop Science, 2017, 57, 78-87.	1.8	14
22	Large-scale genome-wide association study reveals that drought-induced lodging in grain sorghum is associated with plant height and traits linked to carbon remobilisation. Theoretical and Applied Genetics, 2020, 133, 3201-3215.	3.6	14
23	Enhancement of sorghum grain yield and nutrition: A role for arbuscular mycorrhizal fungi regardless of soil phosphorus availability. Plants People Planet, 2022, 4, 143-156.	3.3	12
24	A global resource for exploring and exploiting genetic variation in sorghum crop wild relatives. Crop Science, 2021, 61, 150-162.	1.8	11
25	Selection index for identifying high-yielding groundnut genotypes in irrigated and rainfed environments. Annals of Applied Biology, 2003, 143, 303-310.	2.5	10
26	The Impacts of Flowering Time and Tillering on Grain Yield of Sorghum Hybrids across Diverse Environments. Agronomy, 2020, 10, 135.	3.0	10
27	Genetic control of leaf angle in sorghum and its effect on light interception. Journal of Experimental Botany, 2022, 73, 801-816.	4.8	10
28	Combined Analysis of Categorical and Numerical Descriptors of Australian Groundnut Accessions Using Nonlinear Principal Component Analysis. Journal of Agricultural, Biological, and Environmental Statistics, 1997, 2, 294.	1.4	9
29	Sorghum. , 2021, , 196-221.		9
30	Manipulating assimilate availability provides insight into the genes controlling grain size in sorghum. Plant Journal, 2021, 108, 231-243.	5.7	9
31	Mixed data types and the use of pattern analysis on the Australian groundnut germplasm data. Genetic Resources and Crop Evolution, 1996, 43, 363-376.	1.6	8
32	Genetic Diversity of C4 Photosynthesis Pathway Genes in Sorghum bicolor (L.). Genes, 2020, 11, 806.	2.4	6
33	Non-cellulosic cell wall polysaccharides are subject to genotype×environment effects in sorghum (Sorghum bicolor) grain. Journal of Cereal Science, 2015, 63, 64-71.	3.7	5
34	Blanchability of peanut (Arachis hypogaea L.) kernels: early generation selection and genotype stability over three environments. Australian Journal of Agricultural Research, 2003, 54, 885.	1.5	4
35	Spatial and temporal patterns of lodging in grain sorghum (Sorghum bicolor) in Australia. Crop and Pasture Science, 2020, 71, 379.	1.5	2
36	Tall 3-dwarfs: oxymoron or opportunity to increase grain yield in sorghum?. Planta, 2021, 253, 110.	3.2	0