

Haydn Kuchel

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,722
citations

304602

22
h-index

526166

27
g-index

27
all docs

27
docs citations

27
times ranked

3035
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity arrays technology (DArT) for high-throughput profiling of the hexaploid wheat genome. <i>Theoretical and Applied Genetics</i> , 2006, 113, 1409-1420.	1.8	532
2	Genetic and genomic tools to improve drought tolerance in wheat. <i>Journal of Experimental Botany</i> , 2010, 61, 3211-3222.	2.4	461
3	Detection of two major grain yield QTL in bread wheat (<i>Triticum aestivum</i> L.) under heat, drought and high yield potential environments. <i>Theoretical and Applied Genetics</i> , 2012, 125, 1473-1485.	1.8	243
4	Joint modeling of additive and non-additive genetic line effects in single field trials. <i>Theoretical and Applied Genetics</i> , 2006, 113, 809-819.	1.8	170
5	Quantification of the effects of VRN1 and Ppd-D1 to predict spring wheat (<i>Triticum aestivum</i>) heading time across diverse environments. <i>Journal of Experimental Botany</i> , 2013, 64, 3747-3761.	2.4	141
6	Genetic dissection of grain yield and physical grain quality in bread wheat (<i>Triticum aestivum</i> L.) under water-limited environments. <i>Theoretical and Applied Genetics</i> , 2012, 125, 255-271.	1.8	132
7	Factor analytic mixed models for the provision of grower information from national crop variety testing programs. <i>Theoretical and Applied Genetics</i> , 2015, 128, 55-72.	1.8	117
8	Genetic and Economic Analysis of a Targeted Marker-assisted Wheat Breeding Strategy. <i>Molecular Breeding</i> , 2005, 16, 67-78.	1.0	110
9	The successful application of a marker-assisted wheat breeding strategy. <i>Molecular Breeding</i> , 2007, 20, 295-308.	1.0	101
10	Genetic control of grain yield and grain physical characteristics in a bread wheat population grown under a range of environmental conditions. <i>Theoretical and Applied Genetics</i> , 2014, 127, 1607-1624.	1.8	85
11	Ppd-B1 and Ppd-D1 and their effects in southern Australian wheat. <i>Crop and Pasture Science</i> , 2013, 64, 100.	0.7	81
12	Identification of novel quantitative trait loci for days to ear emergence and flag leaf glaucousness in a bread wheat (<i>Triticum aestivum</i> L.) population adapted to southern Australian conditions. <i>Theoretical and Applied Genetics</i> , 2012, 124, 697-711.	1.8	76
13	Photoperiod and vernalization gene effects in southern Australian wheat. <i>Crop and Pasture Science</i> , 2010, 61, 721.	0.7	74
14	Photogrammetry for the estimation of wheat biomass and harvest index. <i>Field Crops Research</i> , 2018, 216, 165-174.	2.3	73
15	Contributions of glutenin and puroindoline genes to grain quality traits in southern Australian wheat breeding programs. <i>Australian Journal of Agricultural Research</i> , 2006, 57, 179.	1.5	49
16	A field and controlled environment evaluation of wheat (<i>Triticum aestivum</i>) adaptation to heat stress. <i>Field Crops Research</i> , 2018, 229, 55-65.	2.3	40
17	Increased genomic prediction accuracy in wheat breeding using a large Australian panel. <i>Theoretical and Applied Genetics</i> , 2017, 130, 2543-2555.	1.8	36
18	The effects on grain quality traits of a grain serpin protein and the VPM1 segment in southern Australian wheat breeding. <i>Australian Journal of Agricultural Research</i> , 2008, 59, 883.	1.5	32

#	ARTICLE	IF	CITATIONS
19	Evaluation of Australian wheat genotypes for response to variable nitrogen application. <i>Plant and Soil</i> , 2016, 399, 247-255.	1.8	31
20	Ppd1, Vrn1, ALMT1 and Rht genes and their effects on grain yield in lower rainfall environments in southern Australia. <i>Crop and Pasture Science</i> , 2014, 65, 159.	0.7	27
21	The Genetic Control of Grain Protein Content under Variable Nitrogen Supply in an Australian Wheat Mapping Population. <i>PLoS ONE</i> , 2016, 11, e0159371.	1.1	25
22	Genetic Basis for Variation in Wheat Grain Yield in Response to Varying Nitrogen Application. <i>PLoS ONE</i> , 2016, 11, e0159374.	1.1	25
23	Genetic control of processing quality in a bread wheat mapping population grown in water-limited environments. <i>Journal of Cereal Science</i> , 2013, 57, 304-311.	1.8	21
24	Linking genetic maps and simulation to optimize breeding for wheat flowering time in current and future climates. <i>Crop Science</i> , 2020, 60, 678-699.	0.8	20
25	Genetic analysis of wheat (<i>Triticum aestivum</i>) adaptation to heat stress. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1387-1407.	1.8	10
26	Frost-tolerance genes Fr-A2 and Fr-B2 in Australian wheat and their effects on days to heading and grain yield in lower rainfall environments in southern Australia. <i>Crop and Pasture Science</i> , 2016, 67, 119.	0.7	7
27	The storage protein activator gene Spa-B1 and grain quality traits in southern Australian wheat breeding programs. <i>Crop and Pasture Science</i> , 2012, 63, 311.	0.7	3