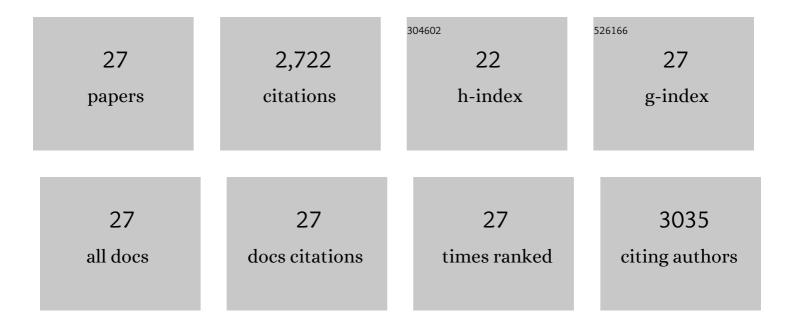
## Haydn Kuchel

List of Publications by Year in descending order

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

HAYDN KUCHEL

#	Article	IF	CITATIONS
19	Evaluation of Australian wheat genotypes for response to variable nitrogen application. Plant and Soil, 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. Crop and Pasture Science, 2014, 65, 159.	0.7	27
21	The Genetic Control of Grain Protein Content under Variable Nitrogen Supply in an Australian Wheat Mapping Population. PLoS ONE, 2016, 11, e0159371.	1.1	25
22	Genetic Basis for Variation in Wheat Grain Yield in Response to Varying Nitrogen Application. PLoS ONE, 2016, 11, e0159374.	1.1	25
23	Genetic control of processing quality in a bread wheat mapping population grown in water-limited environments. Journal of Cereal Science, 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. Crop Science, 2020, 60, 678-699.	0.8	20
25	Genetic analysis of wheat (Triticum aestivum) adaptation to heat stress. Theoretical and Applied Genetics, 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. Crop and Pasture Science, 2016, 67, 119.	0.7	7
27	The storage protein activator gene Spa-B1 and grain quality traits in southern Australian wheat breeding programs. Crop and Pasture Science, 2012, 63, 311.	0.7	3