Allan S Peake

List of Publications by Year
in descending order

17 papers	1,707 citations	686830 13 h-index	887659 17 g-index
17 all docs	17 docs citations	17 times ranked	2171 citing authors

#	Article	IF	Citations
1	APSIM â€“ Evolution towards a new generation of agricultural systems simulation. Environmental Modelling and Software, 2014, 62, 327-350.	1.9	1,173
2	Early sowing systems can boost Australian wheat yields despite recent climate change. Nature Climate Change, 2019, 9, 244-247.	8.1	141
3	Re-inventing model-based decision support with Australian dryland farmers. 4. Yield ProphetÂ® helps farmers monitor and manage crops in a variable climate. Crop and Pasture Science, 2009, 60, 1057.	0.7	140
4	Quantifying potential yield and lodging-related yield gaps for irrigated spring wheat in sub-tropical Australia. Field Crops Research, 2014, 158, 1-14.	2.3	36
5	Optimising maize plant population and irrigation strategies on the Darling Downs using the APSIM crop simulation model. Australian Journal of Experimental Agriculture, 2008, 48, 313.	1.0	28
6	Cultivar Ã— Management Interaction to Reduce Lodging and Improve Grain Yield of Irrigated Spring Wheat: Optimising Plant Growth Regulator Use, N Application Timing, Row Spacing and Sowing Date. Frontiers in Plant Science, 2020, 11, 401.	1.7	25
7	Vegetative nitrogen stress decreases lodging risk and increases yield of irrigated spring wheat in the subtropics. Crop and Pasture Science, 2016, 67, 907.	0.7	20
8	ON-FARM ASSESSMENT OF CONSTRAINTS TO CHICKPEA (CICER ARIETINUM) PRODUCTION IN MARGINAL AREAS OF NORTHERN AUSTRALIA. Experimental Agriculture, 2007, 43, 505-520.	0.4	19
9	An alternative approach to whole-farm deficit irrigation analysis: Evaluating the risk-efficiency of wheat irrigation strategies in sub-tropical Australia. Agricultural Water Management, 2016, 169, 61-76.	2.4	19
10	Genotypic variation for lodging tolerance in spring wheat: wider and deeper root plates, a feature of low lodging, high yielding germplasm. Field Crops Research, 2020, 258, 107942.	2.3	18
11	The 1BL/1RS translocation decreases grain yield of spring wheat germplasm in low yield environments of north-eastern Australia. Crop and Pasture Science, 2011, 62, 276.	0.7	16
12	Variation in water extraction with maize plant density and its impact on model application. Field Crops Research, 2013, 146, 31-37.	2.3	16
13	Challenges for Simulating Growth and Phenology of Silage Maize in a Nordic Climate with APSIM. Agronomy, 2020, 10, 645.	1.3	16
14	Trends in grain production and yield gaps in the high-rainfall zone of southern Australia. Crop and Pasture Science, 2016, 67, 921.	0.7	15
15	Effect of variable crop duration on grain yield of irrigated spring-wheat when flowering is synchronised. Field Crops Research, 2018, 228, 183-194.	2.3	9
16	Comparative Analysis of Phenology Algorithms of the Spring Barley Model in APSIM 7.9 and APSIM Next Generation: A Case Study for High Latitudes. Plants, 2021, 10, 443.	1.6	8
17	A rapid PCR protocol for marker assisted detection of heterozygotes in segregating generations involving 1BL/1RS translocation and normal wheat lines. Australian Journal of Agricultural Research, 2002, 53, 931.	1.5	8