Andrew L Fletcher

List of Publications by Year
in descending order

36 papers	1,258 citations	471371 17 h-index	377752 34 g-index
36 all docs	36 docs citations	36 times ranked	1535 citing authors

#	Article	IF	Citations
1	Transpiration responses to vapor pressure deficit in well watered â€˜slow-wiltingâ€™ and commercial soybean. Environmental and Experimental Botany, 2007, 61, 145-151.	2.0	278
2	Early sowing systems can boost Australian wheat yields despite recent climate change. Nature Climate Change, 2019, 9, 244-247.	8.1	141
3	The impact of water and nitrogen limitation on maize biomass and resource-use efficiencies for radiation, water and nitrogen. Field Crops Research, 2014, 168, 109-118.	2.3	110
4	Fast winter wheat phenology can stabilise flowering date and maximise grain yield in semi-arid Mediterranean and temperate environments. Field Crops Research, 2018, 223, 12-25.	2.3	66
5	Dry matter accumulation and post-silking N economy of â€˜stay-greenâ€™ maize (Zea mays L.) hybrids. European Journal of Agronomy, 2013, 51, 43-52.	1.9	59
6	Radiation capture and radiation use efficiency in response to N supply for crop species with contrasting canopies. Field Crops Research, 2013, 150, 126-134.	2.3	52
7	Crop area increases drive earlier and dry sowing in Western Australia: implications for farming systems. Crop and Pasture Science, 2016, 67, 1268.	0.7	49
8	The relationship between transpiration and nutrient uptake in wheat changes under elevated atmospheric CO₂. Physiologia Plantarum, 2018, 163, 516-529.	2.6	49
9	The dynamics of lucerne (Medicago sativa L.) yield components in response to defoliation frequency. European Journal of Agronomy, 2007, 26, 394-400.	1.9	47
10	Prospects to utilise intercrops and crop variety mixtures in mechanised, rain-fed, temperate cropping systems. Crop and Pasture Science, 2016, 67, 1252.	0.7	39
11	Dry sowing increases farm level wheat yields but not production risks in a Mediterranean environment. Agricultural Systems, 2015, 136, 114-124.	3.2	37
12	Mixing it up â€“ wheat cultivar mixtures can increase yield and buffer the risk of flowering too early or too late. European Journal of Agronomy, 2019, 103, 90-97.	1.9	30
13	How well can APSIM simulate nitrogen uptake and nitrogen fixation of legume crops?. Field Crops Research, 2016, 187, 35-48.	2.3	28
14	The shifting influence of future water and temperature stress on the optimal flowering period for wheat in Western Australia. Science of the Total Environment, 2020, 737, 139707.	3.9	23
15	Radiation use efficiency and leaf photosynthesis of sweet corn in response to phosphorus in a cool temperate environment. European Journal of Agronomy, 2008, 29, 88-93.	1.9	21
16	Solar radiation interception and canopy expansion of sweet corn in response to phosphorus. European Journal of Agronomy, 2008, 29, 80-87.	1.9	20
17	Effects of nitrogen rate on nitrateâ€“nitrogen accumulation in forage kale and rape crops. Grass and Forage Science, 2015, 70, 268-282.	1.2	18
18	A framework for quantifying water extraction and water stress responses of perennial lucerne. Crop and Pasture Science, 2009, 60, 785.	0.7	17

#	Article	IF	Citations
19	Developing a critical nitrogen dilution curve for forage brassicas. Grass and Forage Science, 2012, 67, 13-23.	1.2	17
20	Causes of variation in the rate of increase of wheat harvest index. Field Crops Research, 2009, 113, 268-273.	2.3	16
21	Has historic climate change affected the spatial distribution of water-limited wheat yield across Western Australia?. Climatic Change, 2020, 159, 347-364.	1.7	16
22	AmaizeN: A decision support system for optimizing nitrogen management of maize. Njas - Wageningen Journal of Life Sciences, 2009, 57, 93-100.	7.9	15
23	Making sense of yield trade-offs in a crop sequence: A New Zealand case study. Field Crops Research, 2011, 124, 149-156.	2.3	15
24	How well do we need to estimate plant-available water capacity to simulate water-limited yield potential?. Agricultural Water Management, 2019, 212, 441-447.	2.4	15
25	Spatial patterns of estimated optimal flowering period of wheat across the southwest of Western Australia. Field Crops Research, 2020, 247, 107710.	2.3	14
26	The effect of fertiliser P on crop biomass production, partitioning, and quality in 'Challenger' sweet corn. Australian Journal of Agricultural Research, 2006, 57, 1213.	1.5	10
27	Modelling phenological and agronomic adaptation options for narrow-leafed lupins in the southern grainbelt of Western Australia. European Journal of Agronomy, 2017, 89, 140-147.	1.9	10
28	Nitrate accumulation in forage brassicas. New Zealand Journal of Agricultural Research, 2012, 55, 413-419.	0.9	9
29	Genotype Ã— environment interactions for phenological adaptation in narrow-leafed lupin: A simulation study with a parameter optimized model. Field Crops Research, 2016, 197, 28-38.	2.3	8
30	Leaf development, radiation interception and radiation-use efficiency of kale crops supplied with different rates of banded or broadcast phosphorus fertiliser. Crop and Pasture Science, 2011, 62, 840.	0.7	7
31	Benchmarking break-crops with wheat reveals higher risk may limit on farm adoption. European Journal of Agronomy, 2019, 109, 125921.	1.9	6
32	Can we use photography to estimate radiation interception by a crop canopy?. Plant Biology, 2015, 17, 574-582.	1.8	4
33	Estimating theoretical radiationâ€use efficiency for kale crops. Grass and Forage Science, 2014, 69, 182-190.	1.2	3
34	Modelling the comparative growth, water use and productivity of the perennial legumes, tedera (Bituminaria bituminosa var. albomarginata) and lucerne (Medicago sativa) in dryland mixed farming systems. Crop and Pasture Science, 2017, 68, 643.	0.7	3
35	Maize silage-winter crop sequences that maximise forage production and quality. New Zealand Journal of Agricultural Research, 2019, 62, 1-22.	0.9	3
36	Strategies to improve field establishment of canola: A review. Advances in Agronomy, 2022, , 133-177.	2.4	3