Ahmad M Manschadi

List of Publications by Year
in descending order

17 papers	1,510 citations	759233 12 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	1639 citing authors

#	Article	IF	Citations
1	The role of root architectural traits in adaptation of wheat to water-limited environments. Functional Plant Biology, 2006, 33, 823.	2.1	529
2	Genotypic variation in seedling root architectural traits and implications for drought adaptation in wheat (Triticum aestivum L.). Plant and Soil, 2008, 303, 115-129.	3.7	343
3	Developmental and physiological traits associated with high yield and stay-green phenotype in wheat. Australian Journal of Agricultural Research, 2008, 59, 354.	1.5	175
4	QTL for root angle and number in a population developed from bread wheats (Triticum aestivum) with contrasting adaptation to water-limited environments. Theoretical and Applied Genetics, 2013, 126, 1563-1574.	3.6	160
5	Developing phosphorus-efficient crop varietiesâ€"An interdisciplinary research framework. Field Crops Research, 2014, 162, 87-98.	5.1	68
6	Simulation of faba bean (Vicia faba L.) root system development under Mediterranean conditions. European Journal of Agronomy, 1998, 9, 259-272.	4.1	44
7	Assessing the sustainability of wheat-based cropping systems using simulation modelling: sustainabilityÂ=Â42?. Sustainability Science, 2014, 9, 1-16.	4.9	36
8	Simulation of faba bean (Vicia faba L.) growth and development under Mediterranean conditions: Model adaptation and evaluation. European Journal of Agronomy, 1998, 9, 273-293.	4.1	35
9	Simulating the Impact of Climate Change on Rice Phenology and Grain Yield in Irrigated Drylands of Central Asia. Journal of Applied Meteorology and Climatology, 2013, 52, 2033-2050.	1.5	27
10	Assessing the sustainability of wheat-based cropping systems using APSIM: model parameterisation and evaluation. Australian Journal of Agricultural Research, 2007, 58, 75.	1.5	21
11	Reprint of â€œDeveloping phosphorus-efficient crop varietiesâ€"An interdisciplinary research frameworkâ€. Field Crops Research, 2014, 165, 49-60.	5.1	17
12	Variation in traits contributing to improved use of nitrogen in wheat: Implications for genotype by environment interaction. Field Crops Research, 2021, 270, 108211.	5.1	16
13	Assessing the impact of climate change on crop management in winter wheat â€" a case study for Eastern Austria. Journal of Agricultural Science, 2016, 154, 1153-1170.	1.3	15
14	Evaluating the performance of the CCCI-CNI index for estimating N status of winter wheat. European Journal of Agronomy, 2021, 130, 126346.	4.1	12
15	Full Parameterisation Matters for the Best Performance of Crop Models: Inter-comparison of a Simple and a Detailed Maize Model. International Journal of Plant Production, 2021, 15, 61-78.	2.2	8
16	High-throughput screening of soybean di-nitrogen fixation and seed nitrogen content using spectral sensing. Computers and Electronics in Agriculture, 2022, 199, 107169.	7.7	3
17	Performance of the SSM-iCrop model for predicting growth and nitrogen dynamics in winter wheat. European Journal of Agronomy, 2022, 135, 126487.	4.1	1