

David J Connor

List of Publications by Year in descending order

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65
papers

3,436
citations

136885

32
h-index

155592

55
g-index

69
all docs

69
docs citations

69
times ranked

3103
citing authors

#	ARTICLE	IF	CITATIONS
1	Productivity and management of rice-wheat cropping systems: issues and challenges. <i>Field Crops Research</i> , 2001, 69, 93-132.	2.3	643
2	Organic agriculture cannot feed the world. <i>Field Crops Research</i> , 2008, 106, 187-190.	2.3	194
3	Structure, management and productivity of hedgerow olive orchards: A review. <i>Scientia Horticulturae</i> , 2014, 169, 71-93.	1.7	154
4	Adaptation of olive (<i>Olea europaea</i> L.) to water-limited environments. <i>Australian Journal of Agricultural Research</i> , 2005, 56, 1181.	1.5	115
5	Evaluating physicochemical constraints of Calcarosols on wheat yield in the Victorian southern Mallee. <i>Australian Journal of Agricultural Research</i> , 2003, 54, 487.	1.5	99
6	Interception of photosynthetically active radiation and radiation-use efficiency of wheat, field pea and mustard in a semi-arid environment. <i>Field Crops Research</i> , 2004, 85, 111-124.	2.3	94
7	Radiation-use efficiency of sunflower crops: effects of specific leaf nitrogen and ontogeny. <i>Field Crops Research</i> , 1995, 41, 65-77.	2.3	79
8	Evolution not revolution of farming systems will best feed and green the world. <i>Global Food Security</i> , 2012, 1, 106-113.	4.0	78
9	Stubble retention and tillage in a semi-arid environment: 1. Soil water accumulation during fallow. <i>Field Crops Research</i> , 1997, 52, 209-219.	2.3	75
10	Canopy nitrogen distribution and the photosynthetic performance of sunflower crops during grain filling ? a quantitative analysis. <i>Oecologia</i> , 1995, 101, 274-281.	0.9	70
11	Organically grown crops do not a cropping system make and nor can organic agriculture nearly feed the world. <i>Field Crops Research</i> , 2013, 144, 145-147.	2.3	65
12	Water use by lucerne and effect on crops in the Victorian Wimmera. <i>Australian Journal of Agricultural Research</i> , 2001, 52, 193.	1.5	57
13	Light-associated nitrogen distribution profile in flowering canopies of sunflower (<i>Helianthus</i>) Tj ETQq1 1 0.784314 ggBT /Overlock 10 0.9 56	0.9	56
14	Yield determination in olive hedgerow orchards. II. Analysis of radiation and fruiting profiles. <i>Crop and Pasture Science</i> , 2009, 60, 443.	0.7	55
15	Towards optimal designs for hedgerow olive orchards. <i>Australian Journal of Agricultural Research</i> , 2006, 57, 1067.	1.5	53
16	Interrelationships between edaphic factors potentially limiting cereal growth on alkaline soils in north-western Victoria. <i>Soil Research</i> , 2003, 41, 277.	0.6	53
17	Nutrient Uptake and Apparent Balances for Rice-Wheat Sequences. III. Potassium. <i>Journal of Plant Nutrition</i> , 2006, 29, 173-187.	0.9	52
18	Nutrient Uptake and Apparent Balances for Rice-Wheat Sequences. I. Nitrogen. <i>Journal of Plant Nutrition</i> , 2006, 29, 137-155.	0.9	52

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19	Designing cropping systems for efficient use of limited water in southern Australia. <i>European Journal of Agronomy</i> , 2004, 21, 419-431.	1.9	51
20	Effects of tree size on water use of peach (<i>Prunus persica</i> L. Batsch). <i>Irrigation Science</i> , 2006, 24, 59-68.	1.3	51
21	Stubble retention and tillage in a semi-arid environment: 3. Response of wheat. <i>Field Crops Research</i> , 1997, 54, 39-50.	2.3	50
22	Contributions of nitrogen by field pea (<i>Pisum sativum</i> L.) in a continuous cropping sequence compared with a lucerne (<i>Medicago sativa</i> L.)-based pasture ley in the Victorian Wimmera. <i>Australian Journal of Agricultural Research</i> , 2000, 51, 13.	1.5	50
23	A simulation model of the wheat crop in response to water and nitrogen supply: II. Model validation. <i>Agricultural Systems</i> , 1996, 52, 31-55.	3.2	45
24	Transpiration efficiency in crops of semi-dwarf and standard-height sunflower. <i>Irrigation Science</i> , 1991, 12, 87.	1.3	41
25	Root respiration during grain filling in sunflower: The effects of water stress. <i>Plant and Soil</i> , 1990, 121, 57-66.	1.8	40
26	Rate of Leaf Appearance and Final Number of Leaves in Wheat: Effects of Duration and Rate of Change of Photoperiod. <i>Annals of Botany</i> , 1994, 74, 427-436.	1.4	40
27	A simulation model of the wheat crop in response to water and nitrogen supply: I. Model construction. <i>Agricultural Systems</i> , 1996, 52, 1-29.	3.2	38
28	Response of lentil (<i>Lens culinaris</i>) germplasm to high concentrations of soil boron. <i>Euphytica</i> , 2006, 151, 371-382.	0.6	38
29	Yield determination in olive hedgerow orchards. I. Yield and profiles of yield components in north - south and east - west oriented hedgerows. <i>Crop and Pasture Science</i> , 2009, 60, 434.	0.7	36
30	Benchmarking for performance assessment of small and large irrigation schemes along the Senegal Valley in Mauritania. <i>Agricultural Water Management</i> , 2013, 121, 19-26.	2.4	36
31	Organic agriculture and food security: A decade of unreason finally implodes. <i>Field Crops Research</i> , 2018, 225, 128-129.	2.3	35
32	In pursuit of a better world: crop improvement and the CGIAR. <i>Journal of Experimental Botany</i> , 2021, 72, 5158-5179.	2.4	35
33	Row orientation: Applications to productivity and design of hedgerows in horticultural and olive orchards. <i>Scientia Horticulturae</i> , 2015, 187, 15-29.	1.7	34
34	Making science more effective for agriculture. <i>Advances in Agronomy</i> , 2020, , 153-177.	2.4	34
35	Relationships between olive yield components and simulated irradiance within hedgerows of various row orientations and spacings. <i>Scientia Horticulturae</i> , 2016, 198, 12-20.	1.7	33
36	Irrigation performance before and after rehabilitation of a representative, small irrigation scheme besides the Senegal River, Mauritania. <i>Agricultural Water Management</i> , 2010, 97, 901-909.	2.4	30

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37	Simulation of oil productivity and quality of N-S oriented olive hedgerow orchards in response to structure and interception of radiation. <i>Scientia Horticulturae</i> , 2013, 150, 92-99.	1.7	29
38	Nutrient Uptake and Apparent Balances for Rice-Wheat Sequences. II. Phosphorus. <i>Journal of Plant Nutrition</i> , 2006, 29, 157-172.	0.9	28
39	Challenges and Responses to Ongoing and Projected Climate Change for Dryland Cereal Production Systems throughout the World. <i>Agronomy</i> , 2018, 8, 34.	1.3	28
40	Impact of small-holder irrigation on the agricultural production, food supply and economic prosperity of a representative village beside the Senegal River, Mauritania. <i>Agricultural Systems</i> , 2008, 96, 1-15.	3.2	27
41	Development Rate in Wheat as Affected by Duration and Rate of Change of Photoperiod. <i>Annals of Botany</i> , 1994, 73, 671-677.	1.4	24
42	Why has small-scale irrigation not responded to expectations with traditional subsistence farmers along the Senegal River in Mauritania?. <i>Agricultural Systems</i> , 2012, 110, 152-161.	3.2	24
43	Effect of olive hedgerow orientation on vegetative growth, fruit characteristics and productivity. <i>Scientia Horticulturae</i> , 2015, 192, 60-69.	1.7	24
44	A dynamic model of crop growth and partitioning of biomass. <i>Field Crops Research</i> , 1999, 63, 139-157.	2.3	23
45	Yield characteristics of N-S oriented olive hedgerow orchards, cv. Arbequina. <i>Scientia Horticulturae</i> , 2012, 133, 31-36.	1.7	23
46	Effect of row spacing on vegetative structure, fruit characteristics and oil productivity of N-S and E-W oriented olive hedgerows. <i>Scientia Horticulturae</i> , 2015, 193, 240-248.	1.7	23
47	Crop growth, yield and water use in long fallow and continuous cropping sequences in the Victorian mallee. <i>Australian Journal of Experimental Agriculture</i> , 2002, 42, 971.	1.0	22
48	Long-term Effect of Intra-Row Spacing on Growth and Productivity of Super-High Density Hedgerow Olive Orchards (cv. Arbequina). <i>Frontiers in Plant Science</i> , 2017, 8, 1790.	1.7	22
49	Environmental risk analysis of farming systems in a semi-arid environment: effect of rotations and management practices on deep drainage. <i>Field Crops Research</i> , 2005, 94, 257-271.	2.3	21
50	Drainage and change in soil water storage below the root-zone under long fallow and continuous cropping sequences in the Victorian Mallee. <i>Australian Journal of Agricultural Research</i> , 2003, 54, 663.	1.5	15
51	The effect of boron tolerance, deep ripping with gypsum, and water supply on subsoil water extraction of cereals on an alkaline soil. <i>Australian Journal of Agricultural Research</i> , 2005, 56, 113.	1.5	15
52	Soil water and nitrogen interaction in wheat in a dry season under a fallow - wheat cropping system. <i>Australian Journal of Experimental Agriculture</i> , 1999, 39, 29.	1.0	14
53	Early growth of wheat is more sensitive to salinity than boron at levels encountered in alkaline soils of south-eastern Australia. <i>Australian Journal of Experimental Agriculture</i> , 2006, 46, 1507.	1.0	14
54	Progress Towards Perennial Grains for Prairies and Plains. <i>Outlook on Agriculture</i> , 2022, 51, 32-38.	1.8	12

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55	Relative yield of food and efficiency of land-use in organic agriculture - A regional study. <i>Agricultural Systems</i> , 2022, 199, 103404.	3.2	12
56	Contribution of sorghum to productivity of small-holder irrigation schemes: On-farm research in the Senegal River Valley, Mauritania. <i>Agricultural Systems</i> , 2013, 115, 72-82.	3.2	11
57	What is the real productivity of organic farming systems?. <i>Outlook on Agriculture</i> , 2021, 50, 125-129.	1.8	11
58	Vegetative structure and distribution of oil yield components and fruit characteristics within olive hedgerows (cv. Arbosana) mechanically pruned annually on alternating sides in San Juan, Argentina. <i>Scientia Horticulturae</i> , 2018, 240, 425-429.	1.7	10
59	Long-term effects of row spacing on radiation interception, fruit characteristics and production of hedgerow olive orchard (cv. Arbequina). <i>Scientia Horticulturae</i> , 2020, 272, 109583.	1.7	10
60	Cassava. , 2021, , 588-633.		10
61	A simulation model-assisted study on water and nitrogen dynamics and their effects on crop performance in the wheat-maize system I: The model. <i>Frontiers of Agriculture in China</i> , 2007, 1, 155-165.	0.2	5
62	Response of Oil Production and Quality to Hedgerow Design in Super-High-Density Olive cv. Arbequina Orchards. <i>Agronomy</i> , 2021, 11, 1632.	1.3	5
63	A simulation model assisted study on water and nitrogen dynamics and their effects on crop performance in the wheat-maize system: (II) model calibration, evaluation and simulated experimentation. <i>Frontiers of Agriculture in China</i> , 2009, 3, 109-121.	0.2	3
64	Intercepted radiation and radiation-use efficiency in sunflower crops grown at conventional and wide inter-row spacings: Measurements and modeled estimates of intercepted radiation. <i>Field Crops Research</i> , 2020, 246, 107684.	2.3	3
65	Long-term effects of row orientation on oil yield and oil yield components of hedgerow olive orchards cv. Arbequina. <i>Scientia Horticulturae</i> , 2022, 294, 110770.	1.7	2