

Don J Mcfarlane

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,139
citations

361413

20
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change and runoff in south-western Australia. <i>Journal of Hydrology</i> , 2012, 475, 441-455.	5.4	130
2	An overview of water logging and salinity in southwestern Australia as related to the Ucarro™ experimental catchment. <i>Agricultural Water Management</i> , 2002, 53, 5-29.	5.6	93
3	Potential climate change impacts on groundwater resources of south-western Australia. <i>Journal of Hydrology</i> , 2012, 475, 456-472.	5.4	75
4	Climate change impacts on water yields and demands in south-western Australia. <i>Journal of Hydrology</i> , 2012, 475, 488-498.	5.4	75
5	The causes of waterlogging in shallow soils and their drainage in southwestern Australia. <i>Journal of Hydrology</i> , 1995, 167, 175-194.	5.4	67
6	Climate change effects on water-dependent ecosystems in south-western Australia. <i>Journal of Hydrology</i> , 2012, 434-435, 95-109.	5.4	62
7	Modelling the effects of climate and land cover change on groundwater recharge in south-west Western Australia. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 2709-2722.	4.9	48
8	Factors affecting dryland salinity in two wheat belt catchments in Western Australia. <i>Soil Research</i> , 1992, 30, 85.	1.1	47
9	A Survey of Soil Erosion in Australia using Caesium-137. <i>Geographical Research</i> , 2004, 42, 221-233.	0.6	47
10	Feasibility assessment of desalination application in Australian traditional agriculture. <i>Desalination</i> , 2015, 364, 33-45.	8.2	45
11	The influence of dolerite dykes on saline seeps in southwestern Australia. <i>Soil Research</i> , 1987, 25, 125.	1.1	42
12	Management of excess water in duplex soils. <i>Australian Journal of Experimental Agriculture</i> , 1992, 32, 857.	1.0	40
13	Field-evaluation of DRAINMOD for predicting waterlogging intensity and drain performance in South-Western Australia. <i>Soil Research</i> , 1994, 32, 653.	1.1	32
14	Potential climate change impacts on the water balance of regional unconfined aquifer systems in south-western Australia. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 4581-4601.	4.9	32
15	Rethinking the externality issue for dryland salinity in Western Australia. <i>Australian Journal of Agricultural and Resource Economics</i> , 2001, 45, 459-475.	2.6	30
16	Flow systems, tree plantations, and salinisation in a Western Australian catchment. <i>Soil Research</i> , 1997, 35, 1213.	1.1	30
17	Can perennial pastures provide the basis for a sustainable farming system in southern Australia?. <i>New Zealand Journal of Agricultural Research</i> , 1994, 37, 287-294.	1.6	28
18	Projected risks to groundwater-dependent terrestrial vegetation caused by changing climate and groundwater abstraction in the Central Perth Basin, Western Australia. <i>Hydrological Processes</i> , 2014, 28, 5513-5529.	2.6	27

#	ARTICLE	IF	CITATIONS
19	A Methodology to Estimate the Future Extent of Dryland Salinity in the Southwest of Western Australia. <i>Journal of Environmental Quality</i> , 2010, 39, 26-34.	2.0	26
20	Opportunity for peri-urban Perth groundwater trade. <i>Journal of Hydrology</i> , 2013, 496, 89-99.	5.4	23
21	Soil erosion of agricultural land in Western Australia estimated by cesium-137. <i>Soil Research</i> , 1992, 30, 533.	1.1	21
22	Inferring groundwater dynamics in a coastal aquifer near wastewater infiltration ponds and shallow wetlands (Kwinana, Western Australia) using combined hydrochemical, isotopic and statistical approaches. <i>Journal of Hydrology</i> , 2019, 568, 1055-1070.	5.4	19
23	Monitoring land surface and cover in urban and peri-urban environments using digital aerial photography. <i>International Journal of Digital Earth</i> , 2016, 9, 457-475.	3.9	15
24	Managing groundwater levels in the face of uncertainty and change: a case study from Gngangara. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 321-328.	2.1	14
25	The role of experimentation in water management under climate uncertainty: Institutional barriers to social learning. <i>Environmental Policy and Governance</i> , 2020, 30, 319-331.	3.7	13
26	The effect of agricultural development on the physical and hydraulic properties of four Western Australian soils. <i>Soil Research</i> , 1992, 30, 517.	1.1	12
27	Reprint of: "Climate change effects on water-dependent ecosystems in south-western Australia" [J. Hydrol. 434-435 (2012) 95-109]. <i>Journal of Hydrology</i> , 2012, 475, 473-487.	5.4	10
28	Understanding spatio-temporal rainfall-runoff changes in a semi-arid region.. <i>Hydrological Processes</i> , 2020, 34, 2510.	2.6	8
29	A decision support system for sustainable groundwater management. Case study: Gngangara sustainability strategy " Western Australia. <i>WIT Transactions on Ecology and the Environment</i> , 2009, , .	0.0	7
30	Groundwater Resource Assessment and Conceptualization in the Pilbara Region, Western Australia. <i>Earth Systems and Environment</i> , 2018, 2, 345-365.	6.2	6
31	Modelling subsurface flow conditions in a salinized catchment in south-western Australia, with a view to improving management practices. <i>Hydrological Processes</i> , 1999, 13, 2689-2703.	2.6	4
32	Using treated wastewater to save wetlands impacted by climate change and pumping. <i>Water Science and Technology</i> , 2009, 59, 213-221.	2.5	4
33	Integrated multi-agency framework: sustainable water management. <i>Water Management</i> , 2012, 165, 313-326.	1.2	4
34	The Distribution of Caesium-137 in Rangeland Soils at Three Sites in Western Australia.. <i>Rangeland Journal</i> , 1993, 15, 24.	0.9	2
35	Water resources planning in a drying climate in the south-west of Western Australia. <i>Australian Journal of Water Resources</i> , 0, , 1-12.	2.7	1