

Randall J Donohue

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,763
citations

361045

20
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

5054
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying management-driven dynamics in vegetation cover: Applying the <i>Compere</i> framework to Cooper Creek, Australia. <i>Ecosphere</i> , 2022, 13, .	1.0	5
2	Nationwide crop yield estimation based on photosynthesis and meteorological stress indices. <i>Agricultural and Forest Meteorology</i> , 2020, 284, 107872.	1.9	22
3	Climate drivers provide valuable insights into late season prediction of Australian wheat yield. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108202.	1.9	3
4	To Blend or Not to Blend? A Framework for Nationwide Landsat-MODIS Data Selection for Crop Yield Prediction. <i>Remote Sensing</i> , 2020, 12, 1653.	1.8	6
5	Seasonal, interannual and decadal drivers of tree and grass productivity in an Australian tropical savanna. <i>Global Change Biology</i> , 2018, 24, 2530-2544.	4.2	24
6	Fractional vegetation cover estimation by using multi-angle vegetation index. <i>Remote Sensing of Environment</i> , 2018, 216, 44-56.	4.6	68
7	Towards a national, remote-sensing-based model for predicting field-scale crop yield. <i>Field Crops Research</i> , 2018, 227, 79-90.	2.3	54
8	Lags in hydrologic recovery following an extreme drought: Assessing the roles of climate and catchment characteristics. <i>Water Resources Research</i> , 2017, 53, 4821-4837.	1.7	112
9	A simple hypothesis of how leaf and canopy-level transpiration and assimilation respond to elevated CO ₂ reveals distinct response patterns between disturbed and undisturbed vegetation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 168-184.	1.3	44
10	Habitat Condition Assessment System: a new way to assess the condition of natural habitats for terrestrial biodiversity across whole regions using remote sensing data. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1050-1059.	2.2	27
11	Global estimation of effective plant rooting depth: Implications for hydrological modeling. <i>Water Resources Research</i> , 2016, 52, 8260-8276.	1.7	162
12	Long-term CO ₂ fertilization increases vegetation productivity and has little effect on hydrological partitioning in tropical rainforests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2125-2140.	1.3	71
13	The hydrological effects of varying vegetation characteristics in a temperate water-limited basin: Development of the dynamic Budyko-Choudhury-Porporato (dBCEP) model. <i>Journal of Hydrology</i> , 2016, 543, 595-611.	2.3	66
14	Dynamic identification of summer cropping irrigated areas in a large basin experiencing extreme climatic variability. <i>Remote Sensing of Environment</i> , 2014, 154, 139-152.	4.6	42
15	Impact of CO ₂ fertilization on maximum foliage cover across the globe's warm, arid environments. <i>Geophysical Research Letters</i> , 2013, 40, 3031-3035.	1.5	442
16	Less bluster ahead? Ecohydrological implications of global trends of terrestrial near-surface wind speeds. <i>Ecohydrology</i> , 2012, 5, 381-388.	1.1	145
17	Global review and synthesis of trends in observed terrestrial near-surface wind speeds: Implications for evaporation. <i>Journal of Hydrology</i> , 2012, 416-417, 182-205.	2.3	906
18	Roots, storms and soil pores: Incorporating key ecohydrological processes into Budyko's hydrological model. <i>Journal of Hydrology</i> , 2012, 436-437, 35-50.	2.3	327

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19	Assessing the differences in sensitivities of runoff to changes in climatic conditions across a large basin. <i>Journal of Hydrology</i> , 2011, 406, 234-244.	2.3	169
20	Assessing the ability of potential evaporation formulations to capture the dynamics in evaporative demand within a changing climate. <i>Journal of Hydrology</i> , 2010, 386, 186-197.	2.3	384
21	A data resource for analysing dynamics in Australian ecohydrological conditions. <i>Austral Ecology</i> , 2010, 35, 593-594.	0.7	5
22	Climate-related trends in Australian vegetation cover as inferred from satellite observations, 1981-2006. <i>Global Change Biology</i> , 2009, 15, 1025-1039.	4.2	273
23	Deriving consistent long-term vegetation information from AVHRR reflectance data using a cover-triangle-based framework. <i>Remote Sensing of Environment</i> , 2008, 112, 2938-2949.	4.6	71
24	Wind speed climatology and trends for Australia, 1975-2006: Capturing the stilling phenomenon and comparison with near-surface reanalysis output. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	335