

Ray G Anderson

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,658
citations

430843

18
h-index

315719

38
g-index

44
all docs

44
docs citations

44
times ranked

2997
citing authors

#	ARTICLE	IF	CITATIONS
1	Protecting climate with forests. <i>Environmental Research Letters</i> , 2008, 3, 044006.	5.2	313
2	Biophysical considerations in forestry for climate protection. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 174-182.	4.0	301
3	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. <i>Water Resources Research</i> , 2020, 56, e2019WR026058.	4.2	220
4	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities. <i>Biogeosciences</i> , 2019, 16, 3747-3775.	3.3	150
5	OpenET: Filling a Critical Data Gap in Water Management for the Western United States. <i>Journal of the American Water Resources Association</i> , 2022, 58, 971-994.	2.4	65
6	Energy budget closure observed in paired Eddy Covariance towers with increased and continuous daily turbulence. <i>Agricultural and Forest Meteorology</i> , 2014, 184, 204-209.	4.8	45
7	Assessing FAO-56 dual crop coefficients using eddy covariance flux partitioning. <i>Agricultural Water Management</i> , 2017, 179, 92-102.	5.6	41
8	Assessing surface water consumption using remotely-sensed groundwater, evapotranspiration, and precipitation. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	38
9	Satellite-based crop coefficient and regional water use estimates for Hawaiian sugarcane. <i>Field Crops Research</i> , 2015, 180, 143-154.	5.1	37
10	Remote sensing is a viable tool for mapping soil salinity in agricultural lands. <i>California Agriculture</i> , 2017, 71, 231-238.	0.8	35
11	Reclaiming Tropical Saline-Sodic Soils with Gypsum and Cow Manure. <i>Water (Switzerland)</i> , 2020, 12, 57.	2.7	34
12	Relationships between climate, vegetation, and energy exchange across a montane gradient. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	32
13	Using satellite-based estimates of evapotranspiration and groundwater changes to determine anthropogenic water fluxes in land surface models. <i>Geoscientific Model Development</i> , 2015, 8, 3021-3031.	3.6	32
14	Analytical steady-state solutions for water-limited cropping systems using saline irrigation water. <i>Water Resources Research</i> , 2014, 50, 9656-9674.	4.2	31
15	Measurement and Partitioning of Evapotranspiration for Application to Vadose Zone Studies. <i>Vadose Zone Journal</i> , 2017, 16, 1-9.	2.2	28
16	Assessing regional evapotranspiration and water balance across a Mediterranean montane climate gradient. <i>Agricultural and Forest Meteorology</i> , 2012, 166-167, 10-22.	4.8	20
17	Two-Year Growth Cycle Sugarcane Crop Parameter Attributes and Their Application in Modeling. <i>Agronomy Journal</i> , 2015, 107, 1310-1320.	1.8	19
18	Long-rotation sugarcane in Hawaii sustains high carbon accumulation and radiation use efficiency in 2nd year of growth. <i>Agriculture, Ecosystems and Environment</i> , 2015, 199, 216-224.	5.3	19

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19	21st century California drought risk linked to model fidelity of the El Niño teleconnection. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	6.8	19
20	Grape Rootstock Response to Salinity, Water and Combined Salinity and Water Stresses. <i>Agronomy</i> , 2019, 9, 321.	3.0	19
21	Moving Forward on Remote Sensing of Soil Salinity at Regional Scale. <i>Frontiers in Environmental Science</i> , 2016, 4, .	3.3	18
22	A mobile platform to constrain regional estimates of evapotranspiration. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 771-782.	4.8	16
23	Can Humic Substances Improve Soil Fertility under Salt Stress and Drought Conditions?. <i>Journal of Environmental Quality</i> , 2019, 48, 1605-1613.	2.0	16
24	Divergence of actual and reference evapotranspiration observations for irrigated sugarcane with windy tropical conditions. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 583-599.	4.9	15
25	Crop Evapotranspiration. <i>Agronomy</i> , 2019, 9, 614.	3.0	15
26	Spatial interpolation quality assessment for soil sensor transect datasets. <i>Computers and Electronics in Agriculture</i> , 2016, 123, 74-79.	7.7	9
27	Incorporating field wind data to improve crop evapotranspiration parameterization in heterogeneous regions. <i>Irrigation Science</i> , 2017, 35, 533-547.	2.8	9
28	Determination of nutritive value of forages in south Texas using an <i>in vitro</i> gas production technique. <i>Grass and Forage Science</i> , 2011, 66, 526-540.	2.9	7
29	Replicated flux measurements of 1,3-dichloropropene emissions from a bare soil under field conditions. <i>Atmospheric Environment</i> , 2018, 191, 19-26.	4.1	7
30	Evaluation of miscanthus productivity and water use efficiency in southeastern United States. <i>Science of the Total Environment</i> , 2019, 692, 1125-1134.	8.0	7
31	Evaluation of Water Use Efficiency Algorithms for Flux Variance Similarity-Based Evapotranspiration Partitioning in C_3 and C_4 Grain Crops. <i>Water Resources Research</i> , 2021, 57, e2020WR028866.	4.2	7
32	Importance of the El Niño Teleconnection to the 21st Century California Wintertime Extreme Precipitation Increase. <i>Geophysical Research Letters</i> , 2018, 45, 10,648.	4.0	6
33	Soil Carbon and Nitrogen Stocks of Different Hawaiian Sugarcane Cultivars. <i>Agronomy</i> , 2015, 5, 239-261.	3.0	5
34	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 1. Observations. <i>Soil Systems</i> , 2021, 5, 50.	2.6	4
35	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 2. Modeling. <i>Soil Systems</i> , 2021, 5, 58.	2.6	4
36	Spatiotemporal Distribution of Drought Based on the Standardized Precipitation Index and Cloud Models in the Haihe Plain, China. <i>Water (Switzerland)</i> , 2022, 14, 1672.	2.7	4

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37	Reducing the discrepancies between the Aerodynamic Gradient Method and other micrometeorological approaches for measuring fumigant emissions. <i>Science of the Total Environment</i> , 2019, 687, 392-400.	8.0	3
38	Integrating partitioned evapotranspiration data into hydrologic models: Vegetation parameterization and uncertainty quantification of simulated plant water use. <i>Hydrological Processes</i> , 2022, 36, .	2.6	1
39	Know Your Community: Evapotranspiration Measurement and Modeling. <i>CSA News</i> , 2017, 62, 32-33.	0.0	0
40	Fate and transport in environmental quality. <i>Journal of Environmental Quality</i> , 2021, 50, 1282-1289.	2.0	0