Ray G Anderson

List of Publications by Citations

41 papers	1,083 citations	15 h-index	32 g-index
44 ext. papers	1,374 ext. citations	4.6 avg, IF	4.08 L-index

#	Paper	IF	Citations
41	Protecting climate with forests. *Environmental Research Letters*, **2008**, 3, 044006	6.2	264
40	Biophysical considerations in forestry for climate protection. *Frontiers in Ecology and the Environment*, **2011**, 9, 174-182	5.5	209
39	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. *Water Resources Research*, **2020**, 56, e2019WR026058	5.4	98
38	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities. *Biogeosciences*, **2019**, 16, 3747-3775	4.6	75
37	Energy budget closure observed in paired Eddy Covariance towers with increased and continuous daily turbulence. *Agricultural and Forest Meteorology*, **2014**, 184, 204-209	5.8	38
36	Assessing FAO-56 dual crop coefficients using eddy covariance flux partitioning. *Agricultural Water Management*, **2017**, 179, 92-102	5.9	31
35	Assessing surface water consumption using remotely-sensed groundwater, evapotranspiration, and precipitation. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	31
34	Satellite-based crop coefficient and regional water use estimates for Hawaiian sugarcane. *Field Crops Research*, **2015**, 180, 143-154	5.5	27
33	Using satellite-based estimates of evapotranspiration and groundwater changes to determine anthropogenic water fluxes in land surface models. *Geoscientific Model Development*, **2015**, 8, 3021-3031	6.3	27
32	Relationships between climate, vegetation, and energy exchange across a montane gradient. *Journal of Geophysical Research*, **2011**, 116,		27
31	Analytical steady-state solutions for water-limited cropping systems using saline irrigation water. *Water Resources Research*, **2014**, 50, 9656-9674	5.4	24
30	Remote sensing is a viable tool for mapping soil salinity in agricultural lands. *California Agriculture*, **2017**, 71, 231-238	1.1	24
29	Assessing regional evapotranspiration and water balance across a Mediterranean montane climate gradient. *Agricultural and Forest Meteorology*, **2012**, 166-167, 10-22	5.8	19
28	Long-rotation sugarcane in Hawaii sustains high carbon accumulation and radiation use efficiency in 2nd year of growth. *Agriculture, Ecosystems and Environment*, **2015**, 199, 216-224	5.7	17
27	Measurement and Partitioning of Evapotranspiration for Application to Vadose Zone Studies. *Vadose Zone Journal*, **2017**, 16, 1-9	2.7	16
26	Two-Year Growth Cycle Sugarcane Crop Parameter Attributes and Their Application in Modeling. *Agronomy Journal*, **2015**, 107, 1310-1320	2.2	15
25	A mobile platform to constrain regional estimates of evapotranspiration. *Agricultural and Forest Meteorology*, **2009**, 149, 771-782	5.8	15

24	OpenET: Filling a Critical Data Gap in Water Management for the Western United States. *Journal of the American Water Resources Association*,	2.1	14
23	Reclaiming Tropical Saline-Sodic Soils with Gypsum and Cow Manure. *Water (Switzerland)*, **2020**, 12, 57	3	13
22	Can Humic Substances Improve Soil Fertility under Salt Stress and Drought Conditions?. *Journal of Environmental Quality*, **2019**, 48, 1605-1613	3.4	12
21	Divergence of actual and reference evapotranspiration observations for irrigated sugarcane with windy tropical conditions. *Hydrology and Earth System Sciences*, **2015**, 19, 583-599	5.5	11
20	Moving Forward on Remote Sensing of Soil Salinity at Regional Scale. *Frontiers in Environmental Science*, **2016**, 4,	4.8	10
19	21st century California drought risk linked to model fidelity of the El Niō teleconnection. *Npj Climate and Atmospheric Science*, **2018**, 1,	8	10
18	Evaluation of miscanthus productivity and water use efficiency in southeastern United States. *Science of the Total Environment*, **2019**, 692, 1125-1134	10.2	6
17	Spatial interpolation quality assessment for soil sensor transect datasets. *Computers and Electronics in Agriculture*, **2016**, 123, 74-79	6.5	6
16	Replicated flux measurements of 1,3-dichloropropene emissions from a bare soil under field conditions. *Atmospheric Environment*, **2018**, 191, 19-26	5.3	5
15	Grape Rootstock Response to Salinity, Water and Combined Salinity and Water Stresses. *Agronomy*, **2019**, 9, 321	3.6	5
14	Soil Carbon and Nitrogen Stocks of Different Hawaiian Sugarcane Cultivars. *Agronomy*, **2015**, 5, 239-261	3.6	5
13	Incorporating field wind data to improve crop evapotranspiration parameterization in heterogeneous regions. *Irrigation Science*, **2017**, 35, 533-547	3.1	4
12	Determination of nutritive value of forages in south Texas using an in vitro gas production technique. *Grass and Forage Science*, **2011**, 66, 526-540	2.3	4
11	Importance of the El Niō Teleconnection to the 21st Century California Wintertime Extreme Precipitation Increase. *Geophysical Research Letters*, **2018**, 45, 10,648	4.9	4
10	Divergence of reference evapotranspiration observations with windy tropical conditions		3
9	Using satellite-based estimates of evapotranspiration and groundwater changes to determine anthropogenic water fluxes in land surface models **2015**,		2
8	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities		2
7	Reducing the discrepancies between the Aerodynamic Gradient Method and other micrometeorological approaches for measuring fumigant emissions. *Science of the Total Environment*, **2019**, 687, 392-400	10.2	1

6	Evaluation of Water Use Efficiency Algorithms for Flux Variance Similarity-Based Evapotranspiration Partitioning in C3 and C4 Grain Crops. *Water Resources Research*, **2021**, 57, e2020WR028866	5.4	1
5	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 1. Observations. *Soil Systems*, **2021**, 5, 50	3.5	1
4	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 2. Modeling. *Soil Systems*, **2021**, 5, 58	3.5	1
3	Spatiotemporal Distribution of Drought Based on the Standardized Precipitation Index and Cloud Models in the Haihe Plain, China. *Water (Switzerland)*, **2022**, 14, 1672	3	0
2	Know Your Community: Evapotranspiration Measurement and Modeling. *CSA News*, **2017**, 62, 32-33	0.1	
1	Fate and transport in environmental quality. *Journal of Environmental Quality*, **2021**, 50, 1282-1289	3.4	