

Eric J Ward

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,657
citations

331670

21
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

2919
citing authors

#	ARTICLE	IF	CITATIONS
1	Wetlands Under Global Change. , 2022, , .		0
2	A Model of the Spatiotemporal Dynamics of Soil Carbon Following Coastal Wetland Loss Applied to a Louisiana Salt Marsh in the Mississippi River Deltaic Plain. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	2
3	Divergent species-specific impacts of whole ecosystem warming and elevated CO ₂ on vegetation water relations in an ombrotrophic peatland. Global Change Biology, 2021, 27, 1820-1835.	9.5	10
4	Warming induces divergent stomatal dynamics in co-occurring boreal trees. Global Change Biology, 2021, 27, 3079-3094.	9.5	9
5	Heterotrophic Respiration and the Divergence of Productivity and Carbon Sequestration. Geophysical Research Letters, 2021, 48, e2020GL092366.	4.0	4
6	Throughfall Reduction – Fertilization: Deep Soil Water Usage in a Clay Rich Ultisol Under Loblolly Pine in the Southeast USA. Frontiers in Forests and Global Change, 2020, 2, .	2.3	3
7	Tidal Wetland Gross Primary Production Across the Continental United States, 2000–2019. Global Biogeochemical Cycles, 2020, 34, e2019GB006349.	4.9	36
8	Using $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ to analyze loblolly pine (<i>Pinus taeda</i> L.) response to experimental drought and fertilization. Tree Physiology, 2019, 39, 1984-1994.	3.1	6
9	Photosynthetic and Respiratory Responses of Two Bog Shrub Species to Whole Ecosystem Warming and Elevated CO ₂ at the Boreal-Temperate Ecotone. Frontiers in Forests and Global Change, 2019, 2, .	2.3	9
10	Water requirements of short rotation poplar coppice: Experimental and modelling analyses across Europe. Agricultural and Forest Meteorology, 2018, 250-251, 343-360.	4.8	17
11	Evapotranspiration and water yield of a pine-broadleaf forest are not altered by long-term atmospheric [CO ₂] enrichment under native or enhanced soil fertility. Global Change Biology, 2018, 24, 4841-4856.	9.5	16
12	A critical analysis of species selection and high vs. low-input silviculture on establishment success and early productivity of model short-rotation wood-energy cropping systems. Biomass and Bioenergy, 2017, 98, 214-227.	5.7	17
13	TRACC: an open source software for processing sap flux data from thermal dissipation probes. Trees - Structure and Function, 2017, 31, 1737-1742.	1.9	12
14	The effect of plant water storage on water fluxes within the coupled soil-plant system. New Phytologist, 2017, 213, 1093-1106.	7.3	86
15	Assessment of wildland fire impacts on watershed annual water yield: Analytical framework and case studies in the United States. Ecohydrology, 2017, 10, e1794.	2.4	32
16	Leveraging 35 years of <i>Pinus taeda</i> research in the southeastern US to constrain forest carbon cycle predictions: regional data assimilation using ecosystem experiments. Biogeosciences, 2017, 14, 3525-3547.	3.3	36
17	Temporal and Spatial Variation in Peatland Carbon Cycling and Implications for Interpreting Responses of an Ecosystem-Scale Warming Experiment. Soil Science Society of America Journal, 2017, 81, 1668-1688.	2.2	34
18	Measuring water fluxes in forests: the need for integrative platforms of analysis. Tree Physiology, 2016, 36, 929-931.	3.1	4

#	ARTICLE	IF	CITATIONS
19	Loblolly Pine Productivity and Water Relations in Response to Throughfall Reduction and Fertilizer Application on a Poorly Drained Site in Northern Florida. <i>Forests</i> , 2016, 7, 214.	2.1	13
20	Biophysical controls on canopy transpiration in a black locust (<i>Robinia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (pseudoa 1068-1081.	2.4	48
21	A test of the hydraulic vulnerability segmentation hypothesis in angiosperm and conifer tree species. <i>Tree Physiology</i> , 2016, 36, 983-993.	3.1	137
22	A Range-Wide Experiment to Investigate Nutrient and Soil Moisture Interactions in Loblolly Pine Plantations. <i>Forests</i> , 2015, 6, 2014-2028.	2.1	31
23	A state-space modeling approach to estimating canopy conductance and associated uncertainties from sap flux density data. <i>Tree Physiology</i> , 2015, 35, 792-802.	3.1	20
24	Fertilization intensifies drought stress: Water use and stomatal conductance of <i>Pinus taeda</i> in a midrotation fertilization and throughfall reduction experiment. <i>Forest Ecology and Management</i> , 2015, 355, 72-82.	3.2	53
25	Increases in atmospheric CO ₂ have little influence on transpiration of a temperate forest canopy. <i>New Phytologist</i> , 2015, 205, 518-525.	7.3	61
26	Conversion of natural forests to managed forest plantations decreases tree resistance to prolonged droughts. <i>Forest Ecology and Management</i> , 2015, 355, 58-71.	3.2	55
27	On the difference in the net ecosystem exchange of CO ₂ between deciduous and evergreen forests in the southeastern United States. <i>Global Change Biology</i> , 2015, 21, 827-842.	9.5	65
28	The effects of elevated CO ₂ and nitrogen fertilization on stomatal conductance estimated from 11 years of scaled sap flux measurements at Duke FACE. <i>Tree Physiology</i> , 2013, 33, 135-151.	3.1	54
29	Hydraulic time constants for transpiration of loblolly pine at a free-air carbon dioxide enrichment site. <i>Tree Physiology</i> , 2013, 33, 123-134.	3.1	28
30	On the complementary relationship between marginal nitrogen and water-use efficiencies among <i>Pinus taeda</i> leaves grown under ambient and CO ₂ -enriched environments. <i>Annals of Botany</i> , 2013, 111, 467-477.	2.9	46
31	Elevated CO ₂ affects photosynthetic responses in canopy pine and subcanopy deciduous trees over 10 years: a synthesis from Duke FACE. <i>Global Change Biology</i> , 2012, 18, 223-242.	9.5	133
32	Evapotranspiration components determined by sap flow and microlimsimetry techniques of a vineyard in northwest China: Dynamics and influential factors. <i>Agricultural Water Management</i> , 2011, 98, 1207-1214.	5.6	105
33	Inferential ecosystem models, from network data to prediction. , 2011, 21, 1523-1536.		27
34	Acclimation of leaf hydraulic conductance and stomatal conductance of <i>Pinus taeda</i> (loblolly) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td Nâ€fertilization. <i>Plant, Cell and Environment</i> , 2009, 32, 1500-1512.	5.7	132
35	Fertilization effects on mean stomatal conductance are mediated through changes in the hydraulic attributes of mature Norway spruce trees. <i>Tree Physiology</i> , 2008, 28, 579-596.	3.1	46
36	Short-term effects of fertilization on photosynthesis and leaf morphology of field-grown loblolly pine following long-term exposure to elevated CO ₂ concentration. <i>Tree Physiology</i> , 2008, 28, 597-606.	3.1	53

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37	Are ecosystem carbon inputs and outputs coupled at short time scales? A case study from adjacent pine and hardwood forests using impulse?response analysis. Plant, Cell and Environment, 2007, 30, 700-710.	5.7	89