

# A Christopher Oishi

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

3,288  
citations

218381  
26  
h-index

329751  
37  
g-index

40  
all docs

40  
docs citations

40  
times ranked

4664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eastern US deciduous tree species respond dissimilarly to declining soil moisture but similarly to rising evaporative demand. <i>Tree Physiology</i> , 2021, 41, 944-959.	1.4	12
2	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021, 13, 2607-2649.	3.7	65
3	An evaluation of ECOSTRESS products of a temperate montane humid forest in a complex terrain environment. <i>Remote Sensing of Environment</i> , 2021, 265, 112662.	4.6	18
4	Reforestation and surface cooling in temperate zones: Mechanisms and implications. <i>Global Change Biology</i> , 2020, 26, 3384-3401.	4.2	44
5	Tree resin flow dynamics during an experimentally induced attack by <i>Ips avulsus</i> , <i>I. calligraphus</i> , and <i>I. grandicollis</i> . <i>Canadian Journal of Forest Research</i> , 2019, 49, 53-63.	0.8	4
6	Warmer temperatures reduce net carbon uptake, but do not affect water use, in a mature southern Appalachian forest. <i>Agricultural and Forest Meteorology</i> , 2018, 252, 269-282.	1.9	48
7	Water balance of pine forests: Synthesis of new and published results. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 107-117.	1.9	15
8	Evapotranspiration and water yield of a pine-broadleaf forest are not altered by long-term atmospheric [CO <sub>2</sub> ] enrichment under native or enhanced soil fertility. <i>Global Change Biology</i> , 2018, 24, 4841-4856.	4.2	16
9	Changes in photosynthesis and soil moisture drive the seasonal soil respiration-temperature hysteresis relationship. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 184-195.	1.9	65
10	Dynamics of soil CO <sub>2</sub> efflux under varying atmospheric CO <sub>2</sub> concentrations reveal dominance of slow processes. <i>Global Change Biology</i> , 2017, 23, 3501-3512.	4.2	5
11	Ecophysiological variation of transpiration of pine forests: synthesis of new and published results. <i>Ecological Applications</i> , 2017, 27, 118-133.	1.8	38
12	Soil-plant-atmosphere conditions regulating convective cloud formation above southeastern US pine plantations. <i>Global Change Biology</i> , 2016, 22, 2238-2254.	4.2	39
13	Cold air drainage flows subsidize montane valley ecosystem productivity. <i>Global Change Biology</i> , 2016, 22, 4014-4027.	4.2	24
14	The increasing importance of atmospheric demand for ecosystem water and carbon fluxes. <i>Nature Climate Change</i> , 2016, 6, 1023-1027.	8.1	734
15	Baseliner: An open-source, interactive tool for processing sap flux data from thermal dissipation probes. <i>SoftwareX</i> , 2016, 5, 139-143.	1.2	77
16	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.	1.4	20
17	Conversion of natural forests to managed forest plantations decreases tree resistance to prolonged droughts. <i>Forest Ecology and Management</i> , 2015, 355, 58-71.	1.4	55
18	On the difference in the net ecosystem exchange of CO <sub>2</sub> between deciduous and evergreen forests in the southeastern United States. <i>Global Change Biology</i> , 2015, 21, 827-842.	4.2	65

#	ARTICLE	IF	CITATIONS
19	Microbe-driven turnover offsets mineral-mediated storage of soil carbon under elevated CO <sub>2</sub> . <i>Nature Climate Change</i> , 2014, 4, 1099-1102.	8.1	309
20	Sustained effects of atmospheric [ $\text{CO}_2$ ] and nitrogen availability on forest soil $\text{CO}_2$ efflux. <i>Global Change Biology</i> , 2014, 20, 1146-1160.	4.2	23
21	Sensitivity of stand transpiration to wind velocity in a mixed broadleaved deciduous forest. <i>Agricultural and Forest Meteorology</i> , 2014, 187, 62-71.	1.9	29
22	Spatial and temporal variability of soil CO <sub>2</sub> efflux in three proximate temperate forest ecosystems. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 256-269.	1.9	32
23	Trenching reduces soil heterotrophic activity in a loblolly pine ( <i>Pinus taeda</i> ) forest exposed to elevated atmospheric [ $\text{CO}_2$ ] and N fertilization. <i>Agricultural and Forest Meteorology</i> , 2012, 165, 43-52.	1.9	27
24	Interannual Invariability of Forest Evapotranspiration and Its Consequence to Water Flow Downstream. <i>Ecosystems</i> , 2010, 13, 421-436.	1.6	137
25	The effects of elevated atmospheric CO <sub>2</sub> and nitrogen amendments on subsurface CO <sub>2</sub> production and concentration dynamics in a maturing pine forest. <i>Biogeochemistry</i> , 2009, 94, 271-287.	1.7	27
26	A stochastic model for daily subsurface CO <sub>2</sub> concentration and related soil respiration. <i>Advances in Water Resources</i> , 2008, 31, 987-994.	1.7	56
27	Role of vegetation in determining carbon sequestration along ecological succession in the southeastern United States. <i>Global Change Biology</i> , 2008, 14, 1409-1427.	4.2	87
28	Estimating components of forest evapotranspiration: A footprint approach for scaling sap flux measurements. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1719-1732.	1.9	237
29	Hydrologic and atmospheric controls on initiation of convective precipitation events. <i>Water Resources Research</i> , 2007, 43, .	1.7	60
30	On the spectrum of soil moisture from hourly to interannual scales. <i>Water Resources Research</i> , 2007, 43, .	1.7	77
31	Are ecosystem carbon inputs and outputs coupled at short time scales? A case study from adjacent pine and hardwood forests using impulse-response analysis. <i>Plant, Cell and Environment</i> , 2007, 30, 700-710.	2.8	89
32	Separating the effects of climate and vegetation on evapotranspiration along a successional chronosequence in the southeastern US. <i>Global Change Biology</i> , 2006, 12, 2115-2135.	4.2	219
33	Contrasting responses to drought of forest floor CO <sub>2</sub> efflux in a Loblolly pine plantation and a nearby Oak-Hickory forest. <i>Global Change Biology</i> , 2005, 11, 421-434.	4.2	95
34	Temporal variability in $\delta^{13}\text{C}$ of respired CO <sub>2</sub> in a pine and a hardwood forest subject to similar climatic conditions. <i>Oecologia</i> , 2005, 142, 57-69.	0.9	82
35	Variability in net ecosystem exchange from hourly to inter-annual time scales at adjacent pine and hardwood forests: a wavelet analysis. <i>Tree Physiology</i> , 2005, 25, 887-902.	1.4	129
36	Rapid and transient response of soil respiration to rain. <i>Global Change Biology</i> , 2004, 10, 1017-1026.	4.2	228