

Gregory R Goldsmith

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

4,486
citations

172457

29
h-index

155660

55
g-index

65
all docs

65
docs citations

65
times ranked

6933
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial patterns and recent trends in the climate of tropical rainforest regions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 311-329.	4.0	588
2	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , 2015, 206, 614-636.	7.3	350
3	Tropical Forests in the Anthropocene. <i>Annual Review of Environment and Resources</i> , 2014, 39, 125-159.	13.4	322
4	Upslope migration of Andean trees. <i>Journal of Biogeography</i> , 2011, 38, 783-791.	3.0	306
5	Stable isotopes reveal linkages among ecohydrological processes in a seasonally dry tropical montane cloud forest. <i>Ecohydrology</i> , 2012, 5, 779-790.	2.4	193
6	Discrepancies between isotope ratio infrared spectroscopy and isotope ratio mass spectrometry for the stable isotope analysis of plant and soil waters. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1948-1954.	1.5	184
7	Seasonal origins of soil water used by trees. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1199-1210.	4.9	166
8	The value of wet leaves. <i>New Phytologist</i> , 2018, 219, 1156-1169.	7.3	162
9	Foliar water uptake: Processes, pathways, and integration into plant water budgets. <i>Plant, Cell and Environment</i> , 2019, 42, 410-423.	5.7	162
10	The incidence and implications of clouds for cloud forest plant water relations. <i>Ecology Letters</i> , 2013, 16, 307-314.	6.4	157
11	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. <i>Global Change Biology</i> , 2015, 21, 2283-2295.	9.5	146
12	Leaf aging of Amazonian canopy trees as revealed by spectral and physiochemical measurements. <i>New Phytologist</i> , 2017, 214, 1049-1063.	7.3	132
13	Oxygen isotope fractionation effects in soil water via interaction with cations (Mg, Ca, K, Na) adsorbed to phyllosilicate clay minerals. <i>Journal of Hydrology</i> , 2014, 515, 1-9.	5.4	128
14	The variation of productivity and its allocation along a tropical elevation gradient: a whole carbon budget perspective. <i>New Phytologist</i> , 2017, 214, 1019-1032.	7.3	126
15	Foggy days and dry nights determine crown-level water balance in a seasonal tropical montane cloud forest. <i>Plant, Cell and Environment</i> , 2014, 37, 261-272.	5.7	102
16	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 182, 155-172.	3.9	94
17	Plant functional types do not predict biomass responses to removal and fertilization in Alaskan tussock tundra. <i>Journal of Ecology</i> , 2008, 96, 713-726.	4.0	93
18	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). <i>Methods in Ecology and Evolution</i> , 2020, 11, 22-37.	5.2	68

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19	Spatial variation in throughfall, soil, and plant water isotopes in a temperate forest. <i>Ecohydrology</i> , 2019, 12, e2059.	2.4	67
20	Changing directions: the atmosphere–plant–soil continuum. <i>New Phytologist</i> , 2013, 199, 4-6.	7.3	65
21	Assessing trait-based scaling theory in tropical forests spanning a broad temperature gradient. <i>Global Ecology and Biogeography</i> , 2017, 26, 1357-1373.	5.8	57
22	Scale dependence of canopy trait distributions along a tropical forest elevation gradient. <i>New Phytologist</i> , 2017, 214, 973-988.	7.3	57
23	Variation in leaf wettability traits along a tropical montane elevation gradient. <i>New Phytologist</i> , 2017, 214, 989-1001.	7.3	51
24	Inferring foliar water uptake using stable isotopes of water. <i>Oecologia</i> , 2017, 184, 763-766.	2.0	47
25	Diffuse light and wetting differentially affect tropical tree leaf photosynthesis. <i>New Phytologist</i> , 2020, 225, 143-153.	7.3	47
26	Predicting Spatial Patterns in Precipitation Isotope ($\delta^{2}\text{H}$ and $\delta^{18}\text{O}$) Seasonality Using Sinusoidal Isoscapes. <i>Geophysical Research Letters</i> , 2018, 45, 4859-4868.	4.0	46
27	The influence of species and growing conditions on the ^{18}O enrichment of leaf water and its impact on λ_{eff} . <i>New Phytologist</i> , 2009, 184, 619-630.	7.3	45
28	The effect of ^{18}O -labelled water vapour on the oxygen isotope ratio of water and assimilates in plants at high humidity. <i>New Phytologist</i> , 2018, 217, 105-116.	7.3	45
29	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. <i>Biological Conservation</i> , 2021, 253, 108889.	4.1	42
30	Phylogenetic and biogeographic controls of plant nighttime stomatal conductance. <i>New Phytologist</i> , 2019, 222, 1778-1788.	7.3	32
31	Predicting trait–environment relationships for venation networks along an Andes–Amazon elevation gradient. <i>Ecology</i> , 2017, 98, 1239-1255.	3.2	31
32	The importance of dew in the water balance of a continental semiarid grassland. <i>Journal of Arid Environments</i> , 2019, 168, 26-35.	2.4	31
33	Global sinusoidal seasonality in precipitation isotopes. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3423-3436.	4.9	29
34	Effect of Vapor Pressure Deficit on Gas Exchange in Wild-Type and Abscisic Acid–Insensitive Plants. <i>Plant Physiology</i> , 2019, 181, 1573-1586.	4.8	29
35	What controls variation in carbon use efficiency among Amazonian tropical forests?. <i>Biotropica</i> , 2018, 50, 16-25.	1.6	28
36	Specialized morphology corresponds to a generalist diet: linking form and function in smashing mantis shrimp crustaceans. <i>Oecologia</i> , 2016, 182, 429-442.	2.0	27

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37	The ¹⁸ O signal transfer from water vapour to leaf water and assimilates varies among plant species and growth forms. <i>Plant, Cell and Environment</i> , 2020, 43, 510-523.	5.7	27
38	Tropical forest leaves may darken in response to climate change. <i>Nature Ecology and Evolution</i> , 2018, 2, 1918-1924.	7.8	23
39	Evidence for arrested succession within a tropical forest fragment in Singapore. <i>Journal of Tropical Ecology</i> , 2011, 27, 323-326.	1.1	21
40	Plant carbon and water fluxes in tropical montane cloud forests. <i>Journal of Tropical Ecology</i> , 2016, 32, 404-420.	1.1	21
41	Clonal Diversity in an Expanding Community of Arctic <i>Salix</i> spp. and a Model for Recruitment Modes of Arctic Plants. <i>Arctic, Antarctic, and Alpine Research</i> , 2010, 42, 406-411.	1.1	19
42	<i>Plantatic</i> : a dynamic and mobile guide to all plants of the Americas. <i>Methods in Ecology and Evolution</i> , 2016, 7, 960-965.	5.2	18
43	Structural and defensive roles of angiosperm leaf venation network reticulation across an Andes-Amazon elevation gradient. <i>Journal of Ecology</i> , 2018, 106, 1683-1699.	4.0	18
44	Long-term research impacts on seedling community structure and composition in a permanent forest plot. <i>Forest Ecology and Management</i> , 2006, 234, 34-39.	3.2	13
45	Climatic Influences on Summer Use of Winter Precipitation by Trees. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	13
46	The Seasonal Origins of Streamwater in Switzerland. <i>Geophysical Research Letters</i> , 2019, 46, 10425-10434.	4.0	12
47	Impact of Research Trails on Seedling Dynamics in a Tropical Forest. <i>Biotropica</i> , 2008, 40, 251-254.	1.6	11
48	The function of stilt roots in the growth strategy of <i>Socratea exorrhiza</i> (Arecaceae) at two neotropical sites. <i>Revista De Biologia Tropical</i> , 2007, 55, 787-93.	0.4	8
49	Intensive research activity alters short-term seedling dynamics in a tropical forest. <i>Ecological Research</i> , 2009, 24, 225-230.	1.5	6
50	Quantifying and manipulating the angles of light in experimental measurements of plant gas exchange. <i>Plant, Cell and Environment</i> , 2022, 45, 1954-1961.	5.7	4
51	Improving the efficacy of web-based educational outreach in ecology. <i>Ecosphere</i> , 2014, 5, 1-9.	2.2	3
52	Functional seizures: The patient's perspective of a diagnostic and treatment odyssey. <i>Epilepsy and Behavior Reports</i> , 2022, 17, 100509.	1.0	3
53	Before the Kardashian Index. <i>Science</i> , 2014, 346, 308-308.	12.6	2
54	Facilitating Constructive Discussions of Difficult Socio-Scientific Issues. <i>Journal of Microbiology and Biology Education</i> , 2021, 22, .	1.0	1