

# Gregory R Goldsmith

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8888952/gregory-r-goldsmith-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

3,186  
citations

28  
h-index

56  
g-index

65  
ext. papers

3,887  
ext. citations

7  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
54	Spatial patterns and recent trends in the climate of tropical rainforest regions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 359, 311-29	5.8	502
53	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , <b>2015</b> , 206, 614-36	9.8	244
52	Tropical Forests in the Anthropocene. <i>Annual Review of Environment and Resources</i> , <b>2014</b> , 39, 125-159	17.2	233
51	Upslope migration of Andean trees. <i>Journal of Biogeography</i> , <b>2011</b> , 38, 783-791	4.1	225
50	Stable isotopes reveal linkages among ecohydrological processes in a seasonally dry tropical montane cloud forest. <i>Ecohydrology</i> , <b>2012</b> , 5, 779-790	2.5	155
49	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> , <b>2010</b> , 24, 1948-54	2.2	147
48	The incidence and implications of clouds for cloud forest plant water relations. <i>Ecology Letters</i> , <b>2013</b> , 16, 307-14	10	121
47	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> , <b>2014</b> , 515, 1-9	6	108
46	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. <i>Global Change Biology</i> , <b>2015</b> , 21, 2283-95	11.4	105
45	Leaf aging of Amazonian canopy trees as revealed by spectral and physiochemical measurements. <i>New Phytologist</i> , <b>2017</b> , 214, 1049-1063	9.8	101
44	Plant functional types do not predict biomass responses to removal and fertilization in Alaskan tussock tundra. <i>Journal of Ecology</i> , <b>2008</b> , 96, 713-726	6	90
43	Seasonal origins of soil water used by trees. <i>Hydrology and Earth System Sciences</i> , <b>2019</b> , 23, 1199-1210	5.5	89
42	Foliar water uptake: Processes, pathways, and integration into plant water budgets. <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 410-423	8.4	89
41	The value of wet leaves. <i>New Phytologist</i> , <b>2018</b> , 219, 1156-1169	9.8	88
40	Foggy days and dry nights determine crown-level water balance in a seasonal tropical Montane cloud forest. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 261-72	8.4	82
39	Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. <i>Geochimica Et Cosmochimica Acta</i> , <b>2016</b> , 182, 155-172	5.5	68
38	The variation of productivity and its allocation along a tropical elevation gradient: a whole carbon budget perspective. <i>New Phytologist</i> , <b>2017</b> , 214, 1019-1032	9.8	68

37	Changing directions: the atmosphere-plant-soil continuum. <i>New Phytologist</i> , <b>2013</b> , 199, 4-6	9.8	49
36	The influence of species and growing conditions on the 18-O enrichment of leaf water and its impact on effective path length <i>New Phytologist</i> , <b>2009</b> , 184, 619-630	9.8	41
35	Scale dependence of canopy trait distributions along a tropical forest elevation gradient. <i>New Phytologist</i> , <b>2017</b> , 214, 973-988	9.8	40
34	Variation in leaf wettability traits along a tropical montane elevation gradient. <i>New Phytologist</i> , <b>2017</b> , 214, 989-1001	9.8	35
33	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). <i>Methods in Ecology and Evolution</i> , <b>2020</b> , 11, 22-37	7.7	35
32	Inferring foliar water uptake using stable isotopes of water. <i>Oecologia</i> , <b>2017</b> , 184, 763-766	2.9	32
31	Predicting Spatial Patterns in Precipitation Isotope ( $\delta^2\text{H}$ and $\delta^{18}\text{O}$ ) Seasonality Using Sinusoidal Isoscapes. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4859-4868	4.9	31
30	The effect of O-labelled water vapour on the oxygen isotope ratio of water and assimilates in plants at high humidity. <i>New Phytologist</i> , <b>2018</b> , 217, 105-116	9.8	30
29	Assessing trait-based scaling theory in tropical forests spanning a broad temperature gradient. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 1357-1373	6.1	29
28	Diffuse light and wetting differentially affect tropical tree leaf photosynthesis. <i>New Phytologist</i> , <b>2020</b> , 225, 143-153	9.8	29
27	Spatial variation in throughfall, soil, and plant water isotopes in a temperate forest. <i>Ecohydrology</i> , <b>2018</b> , 12, e2059	2.5	29
26	Specialized morphology corresponds to a generalist diet: linking form and function in smashing mantis shrimp crustaceans. <i>Oecologia</i> , <b>2016</b> , 182, 429-42	2.9	21
25	Predicting trait-environment relationships for venation networks along an Andes-Amazon elevation gradient. <i>Ecology</i> , <b>2017</b> , 98, 1239-1255	4.6	20
24	What controls variation in carbon use efficiency among Amazonian tropical forests?. <i>Biotropica</i> , <b>2018</b> , 50, 16-25	2.3	20
23	Phylogenetic and biogeographic controls of plant nighttime stomatal conductance. <i>New Phytologist</i> , <b>2019</b> , 222, 1778-1788	9.8	20
22	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> , <b>2010</b> , 42, 406-411	1.8	17
21	Plant-O-Matic: a dynamic and mobile guide to all plants of the Americas. <i>Methods in Ecology and Evolution</i> , <b>2016</b> , 7, 960-965	7.7	17
20	Plant carbon and water fluxes in tropical montane cloud forests. <i>Journal of Tropical Ecology</i> , <b>2016</b> , 32, 404-420	1.3	16

19	Global sinusoidal seasonality in precipitation isotopes. <i>Hydrology and Earth System Sciences</i> , <b>2019</b> , 23, 3423-3436	5.5	16
18	Effect of Vapor Pressure Deficit on Gas Exchange in Wild-Type and Abscisic Acid-Insensitive Plants. <i>Plant Physiology</i> , <b>2019</b> , 181, 1573-1586	6.6	16
17	Tropical forest leaves may darken in response to climate change. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1918-1924	12.3	16
16	Evidence for arrested succession within a tropical forest fragment in Singapore. <i>Journal of Tropical Ecology</i> , <b>2011</b> , 27, 323-326	1.3	15
15	The importance of dew in the water balance of a continental semiarid grassland. <i>Journal of Arid Environments</i> , <b>2019</b> , 168, 26-35	2.5	13
14	The O-signal transfer from water vapour to leaf water and assimilates varies among plant species and growth forms. <i>Plant, Cell and Environment</i> , <b>2020</b> , 43, 510-523	8.4	13
13	Long-term research impacts on seedling community structure and composition in a permanent forest plot. <i>Forest Ecology and Management</i> , <b>2006</b> , 234, 34-39	3.9	12
12	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. <i>Biological Conservation</i> , <b>2021</b> , 253, 108889	6.2	12
11	Impact of Research Trails on Seedling Dynamics in a Tropical Forest. <i>Biotropica</i> , <b>2008</b> , 40, 251-254	2.3	10
10	Structural and defensive roles of angiosperm leaf venation network reticulation across an Andes-Amazon elevation gradient. <i>Journal of Ecology</i> , <b>2018</b> , 106, 1683-1699	6	8
9	The Seasonal Origins of Streamwater in Switzerland. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10425-10434	4.9	7
8	Intensive research activity alters short-term seedling dynamics in a tropical forest. <i>Ecological Research</i> , <b>2009</b> , 24, 225-230	1.9	5
7	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> , <b>2007</b> , 55, 787-93	1.3	5
6	Improving the efficacy of web-based educational outreach in ecology. <i>Ecosphere</i> , <b>2014</b> , 5, art131	3.1	3
5	Before the Kardashian Index. <i>Science</i> , <b>2014</b> , 346, 308	33.3	2
4	Global sinusoidal seasonality in precipitation isotopes		2
3	Climatic Influences on Summer Use of Winter Precipitation by Trees. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	2
2	Functional seizures: The patient's perspective of a diagnostic and treatment odyssey.. <i>Epilepsy and Behavior Reports</i> , <b>2022</b> , 17, 100509	1.3	0

- 1 Quantifying and manipulating the angles of light in experimental measurements of plant gas exchange.. *Plant, Cell and Environment*, **2022**, 8.4 ○