

# Gregory R Goldsmith

## List of Publications by Year in Descending Order

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**Version:** 2024-04-23

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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	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
53	Quantifying and manipulating the angles of light in experimental measurements of plant gas exchange.. <i>Plant, Cell and Environment</i> , <b>2022</b> ,	8.4	0
52	Climatic Influences on Summer Use of Winter Precipitation by Trees. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	2
51	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
50	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
49	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
48	Diffuse light and wetting differentially affect tropical tree leaf photosynthesis. <i>New Phytologist</i> , <b>2020</b> , 225, 143-153	9.8	29
47	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
46	Seasonal origins of soil water used by trees. <i>Hydrology and Earth System Sciences</i> , <b>2019</b> , 23, 1199-1210	5.5	89
45	The Seasonal Origins of Streamwater in Switzerland. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10425-10434	4.9	7
44	Global sinusoidal seasonality in precipitation isotopes. <i>Hydrology and Earth System Sciences</i> , <b>2019</b> , 23, 3423-3436	5.5	16
43	Phylogenetic and biogeographic controls of plant nighttime stomatal conductance. <i>New Phytologist</i> , <b>2019</b> , 222, 1778-1788	9.8	20
42	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
41	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
40	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
39	What controls variation in carbon use efficiency among Amazonian tropical forests?. <i>Biotropica</i> , <b>2018</b> , 50, 16-25	2.3	20
38	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

37	The value of wet leaves. <i>New Phytologist</i> , <b>2018</b> , 219, 1156-1169	9.8	88
36	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
35	Spatial variation in throughfall, soil, and plant water isotopes in a temperate forest. <i>Ecohydrology</i> , <b>2018</b> , 12, e2059	2.5	29
34	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
33	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
32	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
31	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
30	Inferring foliar water uptake using stable isotopes of water. <i>Oecologia</i> , <b>2017</b> , 184, 763-766	2.9	32
29	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
28	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
27	Variation in leaf wettability traits along a tropical montane elevation gradient. <i>New Phytologist</i> , <b>2017</b> , 214, 989-1001	9.8	35
26	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
25	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
24	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
23	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
22	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
21	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
20	Tropical Forests in the Anthropocene. <i>Annual Review of Environment and Resources</i> , <b>2014</b> , 39, 125-159	17.2	233

19	Before the Kardashian Index. <i>Science</i> , <b>2014</b> , 346, 308	33.3	2
18	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
17	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
16	Improving the efficacy of web-based educational outreach in ecology. <i>Ecosphere</i> , <b>2014</b> , 5, art131	3.1	3
15	The incidence and implications of clouds for cloud forest plant water relations. <i>Ecology Letters</i> , <b>2013</b> , 16, 307-14	10	121
14	Changing directions: the atmosphere-plant-soil continuum. <i>New Phytologist</i> , <b>2013</b> , 199, 4-6	9.8	49
13	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
12	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
11	Upslope migration of Andean trees. <i>Journal of Biogeography</i> , <b>2011</b> , 38, 783-791	4.1	225
10	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
9	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
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 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
6	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
5	Impact of Research Trails on Seedling Dynamics in a Tropical Forest. <i>Biotropica</i> , <b>2008</b> , 40, 251-254	2.3	10
4	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
3	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
2	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

1 Global sinusoidal seasonality in precipitation isotopes

2