# Gregory R Goldsmith

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Functional seizures: The patientâ€™s perspective of a diagnostic and treatment odyssey. Epilepsy and Behavior Reports, 2022, 17, 100509. | 1.0 | 3 |
| 2 | Quantifying and manipulating the angles of light in experimental measurements of plant gas exchange. Plant, Cell and Environment, 2022, 45, 1954-1961. | 5.7 | 4 |
| 3 | Climatic Influences on Summer Use of Winter Precipitation by Trees. Geophysical Research Letters, 2022, 49, . | 4.0 | 13 |
| 4 | The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. Biological Conservation, 2021, 253, 108889. | 4.1 | 42 |
| 5 | Facilitating Constructive Discussions of Difficult Socio-Scientific Issues. Journal of Microbiology and Biology Education, 2021, 22, . | 1.0 | 1 |
| 6 | Diffuse light and wetting differentially affect tropical tree leaf photosynthesis. New Phytologist, 2020, 225, 143-153. | 7.3 | 47 |
| 7 | The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). Methods in Ecology and Evolution, 2020, 11, 22-37. | 5.2 | 68 |
| 8 | The <sup>18</sup>Oâ€signal transfer from water vapour to leaf water and assimilates varies among plant species and growth forms. Plant, Cell and Environment, 2020, 43, 510-523. | 5.7 | 27 |
| 9 | Spatial variation in throughfall, soil, and plant water isotopes in a temperate forest. Ecohydrology, 2019, 12, e2059. | 2.4 | 67 |
| 10 | The Seasonal Origins of Streamwater in Switzerland. Geophysical Research Letters, 2019, 46, 10425-10434. | 4.0 | 12 |
| 11 | Global sinusoidal seasonality in precipitation isotopes. Hydrology and Earth System Sciences, 2019, 23, 3423-3436. | 4.9 | 29 |
| 12 | The importance of dew in the water balance of a continental semiarid grassland. Journal of Arid Environments, 2019, 168, 26-35. | 2.4 | 31 |
| 13 | Seasonal origins of soil water used by trees. Hydrology and Earth System Sciences, 2019, 23, 1199-1210. | 4.9 | 166 |
| 14 | Phylogenetic and biogeographic controls of plant nighttime stomatal conductance. New Phytologist, 2019, 222, 1778-1788. | 7.3 | 32 |
| 15 | Effect of Vapor Pressure Deficit on Gas Exchange in Wild-Type and Abscisic Acidâ€“Insensitive Plants. Plant Physiology, 2019, 181, 1573-1586. | 4.8 | 29 |
| 16 | Foliar water uptake: Processes, pathways, and integration into plant water budgets. Plant, Cell and Environment, 2019, 42, 410-423. | 5.7 | 162 |
| 17 | Structural and defensive roles of angiosperm leaf venation network reticulation across an Andesâ€“Amazon elevation gradient. Journal of Ecology, 2018, 106, 1683-1699. | 4.0 | 18 |
| 18 | What controls variation in carbon use efficiency among Amazonian tropical forests?. Biotropica, 2018, 50, 16-25. | 1.6 | 28 |

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|---|---|---|---|
| 19 | The effect of <sup>18</sup>Oâ€labelled water vapour on the oxygen isotope ratio of water and assimilates in plants at high humidity. New Phytologist, 2018, 217, 105-116. | 7.3 | 45 |
| 20 | Tropical forest leaves may darken in response to climate change. Nature Ecology and Evolution, 2018, 2, 1918-1924. | 7.8 | 23 |
| 21 | The value of wet leaves. New Phytologist, 2018, 219, 1156-1169. | 7.3 | 162 |
| 22 | Predicting Spatial Patterns in Precipitation Isotope (Î´<sup>2</sup>H and Î´<sup>18</sup>O) Seasonality Using Sinusoidal Isoscapes. Geophysical Research Letters, 2018, 45, 4859-4868. | 4.0 | 46 |
| 23 | Leaf aging of Amazonian canopy trees as revealed by spectral and physiochemical measurements. New Phytologist, 2017, 214, 1049-1063. | 7.3 | 132 |
| 24 | Predicting traitâ€environment relationships for venation networks along an Andesâ€Amazon elevation gradient. Ecology, 2017, 98, 1239-1255. | 3.2 | 31 |
| 25 | Assessing traitâ€based scaling theory in tropical forests spanning a broad temperature gradient. Global Ecology and Biogeography, 2017, 26, 1357-1373. | 5.8 | 57 |
| 26 | Inferring foliar water uptake using stable isotopes of water. Oecologia, 2017, 184, 763-766. | 2.0 | 47 |
| 27 | The variation of productivity and its allocation along a tropical elevation gradient: a whole carbon budget perspective. New Phytologist, 2017, 214, 1019-1032. | 7.3 | 126 |
| 28 | Scale dependence of canopy trait distributions along a tropical forest elevation gradient. New Phytologist, 2017, 214, 973-988. | 7.3 | 57 |
| 29 | Variation in leaf wettability traits along a tropical montane elevation gradient. New Phytologist, 2017, 214, 989-1001. | 7.3 | 51 |
| 30 | Plantâ€Oâ€Matic: a dynamic and mobile guide to all plants of the Americas. Methods in Ecology and Evolution, 2016, 7, 960-965. | 5.2 | 18 |
| 31 | Plant carbon and water fluxes in tropical montane cloud forests. Journal of Tropical Ecology, 2016, 32, 404-420. | 1.1 | 21 |
| 32 | Specialized morphology corresponds to a generalist diet: linking form and function in smashing mantis shrimp crustaceans. Oecologia, 2016, 182, 429-442. | 2.0 | 27 |
| 33 | Plant leaf wax biomarkers capture gradients in hydrogen isotopes of precipitation from the Andes and Amazon. Geochimica Et Cosmochimica Acta, 2016, 182, 155-172. | 3.9 | 94 |
| 34 | Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. New Phytologist, 2015, 206, 614-636. | 7.3 | 350 |
| 35 | The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. Global Change Biology, 2015, 21, 2283-2295. | 9.5 | 146 |
| 36 | Tropical Forests in the Anthropocene. Annual Review of Environment and Resources, 2014, 39, 125-159. | 13.4 | 322 |

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|---|---|---|---|
| 37 | Before the Kardashian Index. Science, 2014, 346, 308-308. | 12.6 | 2 |
| 38 | Oxygen isotope fractionation effects in soil water via interaction with cations (Mg, Ca, K, Na) adsorbed to phyllosilicate clay minerals. Journal of Hydrology, 2014, 515, 1-9. | 5.4 | 128 |
| 39 | Foggy days and dry nights determine crownâ€level water balance in a seasonal tropical montane cloud forest. Plant, Cell and Environment, 2014, 37, 261-272. | 5.7 | 102 |
| 40 | Improving the efficacy of webâ€based educational outreach in ecology. Ecosphere, 2014, 5, 1-9. | 2.2 | 3 |
| 41 | The incidence and implications of clouds for cloud forest plant water relations. Ecology Letters, 2013, 16, 307-314. | 6.4 | 157 |
| 42 | Changing directions: the atmosphereâ€“plantâ€“soil continuum. New Phytologist, 2013, 199, 4-6. | 7.3 | 65 |
| 43 | Stable isotopes reveal linkages among ecohydrological processes in a seasonally dry tropical montane cloud forest. Ecohydrology, 2012, 5, 779-790. | 2.4 | 193 |
| 44 | Evidence for arrested succession within a tropical forest fragment in Singapore. Journal of Tropical Ecology, 2011, 27, 323-326. | 1.1 | 21 |
| 45 | Upslope migration of Andean trees. Journal of Biogeography, 2011, 38, 783-791. | 3.0 | 306 |
| 46 | Discrepancies between isotope ratio infrared spectroscopy and isotope ratio mass spectrometry for the stable isotope analysis of plant and soil waters. Rapid Communications in Mass Spectrometry, 2010, 24, 1948-1954. | 1.5 | 184 |
| 47 | Clonal Diversity in an Expanding Community of Arctic Salix spp. and a Model for Recruitment Modes of Arctic Plants. Arctic, Antarctic, and Alpine Research, 2010, 42, 406-411. | 1.1 | 19 |
| 48 | Intensive research activity alters shortâ€term seedling dynamics in a tropical forest. Ecological Research, 2009, 24, 225-230. | 1.5 | 6 |
| 49 | The influence of species and growing conditions on the 18â€O enrichment of leaf water and its impact on â€˜effective path lengthâ€™. New Phytologist, 2009, 184, 619-630. | 7.3 | 45 |
| 50 | Impact of Research Trails on Seedling Dynamics in a Tropical Forest. Biotropica, 2008, 40, 251-254. | 1.6 | 11 |
| 51 | Plant functional types do not predict biomass responses to removal and fertilization in Alaskan tussock tundra. Journal of Ecology, 2008, 96, 713-726. | 4.0 | 93 |
| 52 | The function of stilt roots in the growth strategy of Socratea exorrhiza (Arecaceae) at two neotropical sites. Revista De Biologia Tropical, 2007, 55, 787-93. | 0.4 | 8 |
| 53 | Long-term research impacts on seedling community structure and composition in a permanent forest plot. Forest Ecology and Management, 2006, 234, 34-39. | 3.2 | 13 |
| 54 | Spatial patterns and recent trends in the climate of tropical rainforest regions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 311-329. | 4.0 | 588 |