

William D Gosling

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

3,770
citations

126907

33
h-index

149698

56
g-index

106
all docs

106
docs citations

106
times ranked

4852
citing authors

#	ARTICLE	IF	CITATIONS
1	Early to mid-Holocene human activity exerted gradual influences on Amazonian forest vegetation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200498.	4.0	14
2	A palaeoecological perspective on the transformation of the tropical Andes by early human activity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200497.	4.0	9
3	The climate and vegetation backdrop to hominin evolution in Africa. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200483.	4.0	4
4	Legacies of Indigenous land use and cultural burning in the Bolivian Amazon rainforest ecotone. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200499.	4.0	12
5	A stronger role for long-term moisture change than for CO ₂ in determining tropical woody vegetation change. <i>Science</i> , 2022, 376, 653-656.	12.6	25
6	On the Use of Spores of Coprophilous Fungi Preserved in Sediments to Indicate Past Herbivore Presence. <i>Quaternary</i> , 2022, 5, 30.	2.0	13
7	Modern pollen rain predicts shifts in plant trait composition but not plant diversity along the Andes' Amazon elevational gradient. <i>Journal of Vegetation Science</i> , 2021, 32, e12925.	2.2	5
8	Sporopollenin chemistry and its durability in the geological record: an integration of extant and fossil chemical data across the seed plants. <i>Palaeontology</i> , 2021, 64, 285-305.	2.2	15
9	On the scaling and standardization of charcoal data in paleofire reconstructions. <i>Frontiers of Biogeography</i> , 2021, 13, .	1.8	7
10	A checklist of vascular plants of Ewe-Adakplame Relic Forest in Benin, West Africa. <i>PhytoKeys</i> , 2021, 175, 151-174.	1.0	2
11	30,000 years of landscape and vegetation dynamics in a mid-elevation Andean valley. <i>Quaternary Science Reviews</i> , 2021, 258, 106866.	3.0	9
12	Forests protect aquatic communities from detrimental impact by volcanic deposits in the tropical Andes (Ecuador). <i>Regional Environmental Change</i> , 2021, 21, 1.	2.9	2
13	Paleo-ENSO influence on African environments and early modern humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	47
14	A modern analogue matching approach to characterize fire temperatures and plant species from charcoal. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 578, 110580.	2.3	15
15	Preliminary evidence for green, brown and black worlds in tropical western Africa during the Middle and Late Pleistocene. , 2021, , 13-26.		3
16	Scarce fire activity in north and north-western Amazonian forests during the last 10,000 years. <i>Plant Ecology and Diversity</i> , 2021, 14, 143-156.	2.4	14
17	<i>Typha</i> as a wetland food resource: evidence from the Tianluoshan site, Lower Yangtze Region, China. <i>Vegetation History and Archaeobotany</i> , 2020, 29, 51-60.	2.1	16
18	Proxy reconstruction of ultraviolet-B irradiance at the Earth's surface, and its relationship with solar activity and ozone thickness. <i>Holocene</i> , 2020, 30, 155-161.	1.7	15

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19	Thermal niche traits of high alpine plant species and communities across the tropical Andes and their vulnerability to global warming. <i>Journal of Biogeography</i> , 2020, 47, 408-420.	3.0	61
20	Multicore Study of Upper Holocene Mire Development in West-Frisia, Northern Netherlands: Ecological and Archaeological Aspects. <i>Quaternary</i> , 2020, 3, 12.	2.0	6
21	Modelling the distribution of Amazonian tree species in response to long-term climate change during the Mid-Late Holocene. <i>Journal of Biogeography</i> , 2020, 47, 1530-1540.	3.0	10
22	Carbon sequestration rates indicate ecosystem recovery following human disturbance in the equatorial Andes. <i>PLoS ONE</i> , 2020, 15, e0230612.	2.5	7
23	Human occupation and ecosystem change on Upolu (Samoa) during the Holocene. <i>Journal of Biogeography</i> , 2020, 47, 600-614.	3.0	18
24	From leaf to soil: $\delta^{13}C$ -alkane signal preservation, despite degradation along an environmental gradient in the tropical Andes. <i>Biogeosciences</i> , 2020, 17, 5465-5487.	3.3	9
25	Local vegetation patterns of a Neolithic environment at the site of Tianluoshan, China, based on coprolite analysis. <i>Review of Palaeobotany and Palynology</i> , 2019, 271, 104101.	1.5	10
26	Leaf wax $\delta^{13}C$ -alkane patterns of six tropical montane tree species show species-specific environmental response. <i>Ecology and Evolution</i> , 2019, 9, 9120-9128.	1.9	7
27	Reconstructing past fire temperatures from ancient charcoal material. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 520, 128-137.	2.3	29
28	New land in the Neotropics: a review of biotic community, ecosystem, and landscape transformations in the face of climate and glacier change. <i>Regional Environmental Change</i> , 2019, 19, 1623-1642.	2.9	44
29	Modern pollen-vegetation relationships along a steep temperature gradient in the Tropical Andes of Ecuador. <i>Quaternary Research</i> , 2019, 92, 1-13.	1.7	16
30	A 7000-year history of changing plant trait composition in an Amazonian landscape; the role of humans and climate. <i>Ecology Letters</i> , 2019, 22, 925-935.	6.4	36
31	Indicators for assessing tropical alpine rehabilitation practices. <i>Ecosphere</i> , 2019, 10, e02595.	2.2	5
32	Central American climate and microrefugia: A view from the last interglacial. <i>Quaternary Science Reviews</i> , 2019, 205, 224-233.	3.0	14
33	Variability in modern pollen rain from moist and wet tropical forest plots in Ghana, West Africa. <i>Grana</i> , 2019, 58, 45-62.	0.8	1
34	Vegetation and climate evolution during the Last Glaciation at Tengchong in Yunnan Province, Southwest China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 514, 441-452.	2.3	13
35	Chemotaxonomy of domesticated grasses: a pathway to understanding the origins of agriculture. <i>Journal of Micropalaeontology</i> , 2019, 38, 83-95.	3.6	27
36	Polylepis woodland dynamics during the last 20,000 years. <i>Journal of Biogeography</i> , 2018, 45, 1019-1030.	3.0	27

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37	Pollen-vegetation richness and diversity relationships in the tropics. <i>Vegetation History and Archaeobotany</i> , 2018, 27, 411-418.	2.1	31
38	Landscape-scale drivers of glacial ecosystem change in the montane forests of the eastern Andean flank, Ecuador. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 489, 198-208.	2.3	10
39	The modern pollen-vegetation relationships of a tropical forest-savannah mosaic landscape, Ghana, West Africa. <i>Palynology</i> , 2018, 42, 324-338.	1.5	20
40	Past and future global transformation of terrestrial ecosystems under climate change. <i>Science</i> , 2018, 361, 920-923.	12.6	307
41	Identifying environmental drivers of fungal non-pollen palynomorphs in the montane forest of the eastern Andean flank, Ecuador. <i>Quaternary Research</i> , 2018, 89, 119-133.	1.7	15
42	Columbus™ footprint in Hispaniola: A paleoenvironmental record of indigenous and colonial impacts on the landscape of the central Cibao Valley, northern Dominican Republic. <i>Anthropocene</i> , 2018, 22, 66-80.	3.3	34
43	Long-Term Vegetation Dynamics in a Megadiverse Hotspot: The Ice-Age Record of a Pre-montane Forest of Central Ecuador. <i>Frontiers in Plant Science</i> , 2018, 9, 196.	3.6	10
44	Ecological consequences of post-Columbian indigenous depopulation in the Andean-Amazonian corridor. <i>Nature Ecology and Evolution</i> , 2018, 2, 1233-1236.	7.8	45
45	Modeling the ecology and evolution of biodiversity: Biogeographical cradles, museums, and graves. <i>Science</i> , 2018, 361, .	12.6	260
46	Columbus™ environmental impact in the New World: Land use change in the Yaque River valley, Dominican Republic. <i>Holocene</i> , 2018, 28, 1818-1835.	1.7	15
47	In search of the ice age tropics, a tribute to Prof. Daniel Livingstone and Prof. Paul Colinvaux. <i>Quaternary Research</i> , 2018, 89, 1-6.	1.7	4
48	A novel approach to study the morphology and chemistry of pollen in a phylogenetic context, applied to the halophytic taxon <i>Nitraria</i> L. (Nitrariaceae). <i>PeerJ</i> , 2018, 6, e5055.	2.0	25
49	Shedding light on sporopollenin chemistry, with reference to UV reconstructions. <i>Review of Palaeobotany and Palynology</i> , 2017, 238, 1-6.	1.5	50
50	Mauritius on fire: Tracking historical human impacts on biodiversity loss. <i>Biotropica</i> , 2017, 49, 778-783.	1.6	21
51	Latitudinal and altitudinal patterns of plant community diversity on mountain summits across the tropical Andes. <i>Ecography</i> , 2017, 40, 1381-1394.	4.5	105
52	Aquatic community response to volcanic eruptions on the Ecuadorian Andean flank: evidence from the palaeoecological record. <i>Journal of Paleolimnology</i> , 2017, 58, 437-453.	1.6	11
53	The ACER pollen and charcoal database: a global resource to document vegetation and fire response to abrupt climate changes during the last glacial period. <i>Earth System Science Data</i> , 2017, 9, 679-695.	9.9	38
54	Inferring late-Holocene climate in the Ecuadorian Andes using a chironomid-based temperature inference model. <i>Climate of the Past</i> , 2016, 12, 1263-1280.	3.4	11

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55	Climate variability and human impact in South America during the last 2000 years: synthesis and perspectives from pollen records. <i>Climate of the Past</i> , 2016, 12, 483-523.	3.4	102
56	Chemotaxonomy as a tool for interpreting the cryptic diversity of Poaceae pollen. <i>Review of Palaeobotany and Palynology</i> , 2016, 235, 140-147.	1.5	45
57	Pollen and spores as biological recorders of past ultraviolet irradiance. <i>Scientific Reports</i> , 2016, 6, 39269.	3.3	27
58	Andean microrefugia: testing the Holocene to predict the Anthropocene. <i>New Phytologist</i> , 2016, 212, 510-522.	7.3	29
59	CO2 and fire influence tropical ecosystem stability in response to climate change. <i>Scientific Reports</i> , 2016, 6, 29587.	3.3	24
60	Drivers of ecosystem and climate change in tropical West Africa over the past ~14540‰000 years. <i>Journal of Quaternary Science</i> , 2016, 31, 671-677.	2.1	19
61	Environmental controls on the distribution and diversity of lentic Chironomidae (Insecta: Diptera) across an altitudinal gradient in tropical South America. <i>Ecology and Evolution</i> , 2016, 6, 91-112.	1.9	15
62	Terrestrial biosphere changes over the last 120‰kyr. <i>Climate of the Past</i> , 2016, 12, 51-73.	3.4	43
63	Updated site compilation of the Latin American Pollen Database. <i>Review of Palaeobotany and Palynology</i> , 2015, 223, 104-115.	1.5	63
64	The impact of oxidation on spore and pollen chemistry. <i>Journal of Micropalaeontology</i> , 2015, 34, 139-149.	3.6	59
65	Pollen and spores as a passive monitor of ultraviolet radiation. <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	2.2	35
66	Quaternary forest associations in lowland tropical West Africa. <i>Quaternary Science Reviews</i> , 2014, 84, 7-25.	3.0	56
67	Sex & Bugs & Rock ‘n Roll ‘ getting creative about public engagement. <i>Trends in Ecology and Evolution</i> , 2014, 29, 65-67.	8.7	10
68	Changes in spore chemistry and appearance with increasing maturity. <i>Review of Palaeobotany and Palynology</i> , 2014, 201, 41-46.	1.5	46
69	Forests of the tropical eastern Andean flank during the middle Pleistocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 393, 76-89.	2.3	11
70	A statistical sub-sampling tool for extracting vegetation community and diversity information from pollen assemblage data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 408, 48-59.	2.3	24
71	Vegetation development in an Amazonian peatland. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 374, 242-255.	2.3	116
72	Atlas of the tropical West African pollen flora. <i>Review of Palaeobotany and Palynology</i> , 2013, 199, 1-135.	1.5	107

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73	Ecosystem service provision sets the pace for pre-Hispanic societal development in the central Andes. <i>Holocene</i> , 2013, 23, 1619-1624.	1.7	21
74	Response of chironomids to late Pleistocene and Holocene environmental change in the eastern Bolivian Andes. <i>Journal of Paleolimnology</i> , 2012, 48, 485-501.	1.6	13
75	North Atlantic forcing of Amazonian precipitation during the last ice age. <i>Nature Geoscience</i> , 2012, 5, 817-820.	12.9	116
76	The Response of Vegetation on the Andean Flank in Western Amazonia to Pleistocene Climate Change. <i>Science</i> , 2011, 331, 1055-1058.	12.6	57
77	A 370,000-year record of vegetation and fire history around Lake Titicaca (Bolivia/Peru). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 305, 201-214.	2.3	51
78	Vegetation, climate and fire in the eastern Andes (Bolivia) during the last 18,000 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 312, 115-126.	2.3	26
79	Four thousand years of environmental change and human activity in the Cochabamba Basin, Bolivia. <i>Quaternary Research</i> , 2011, 76, 58-68.	1.7	21
80	Precessional forcing of tropical vegetation carbon storage. <i>Journal of Quaternary Science</i> , 2011, 26, 463-467.	2.1	6
81	Response to Comment on "The Response of Vegetation on the Andean Flank in Western Amazonia to Pleistocene Climate Change". <i>Science</i> , 2011, 333, 1825-1825.	12.6	7
82	Nonlinear climate change and Andean feedbacks: an imminent turning point?. <i>Global Change Biology</i> , 2010, 16, 3223-3232.	9.5	32
83	Pollen-based biome reconstructions for Latin America at 0, 6000 and 18 000 radiocarbon years ago. <i>Climate of the Past</i> , 2009, 5, 725-767.	3.4	87
84	Differentiation between Neotropical rainforest, dry forest, and savannah ecosystems by their modern pollen spectra and implications for the fossil pollen record. <i>Review of Palaeobotany and Palynology</i> , 2009, 153, 70-85.	1.5	142
85	Long-term drivers of change in <i>Polylepis</i> woodland distribution in the central Andes. <i>Journal of Vegetation Science</i> , 2009, 20, 1041-1052.	2.2	63
86	Glacial-interglacial changes in moisture balance and the impact on vegetation in the southern hemisphere tropical Andes (Bolivia/Peru). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 259, 35-50.	2.3	57
87	Holocene fire and occupation in Amazonia: records from two lake districts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 209-218.	4.0	136
88	A biogeographic comment on: Wuster et al. (2005) Tracing an invasion: landbridges, refugia, and the phylogeography of the Neotropical rattlesnake (Serpentes: Viperidae: <i>Crotalus durissus</i>). <i>Molecular Ecology</i> , 2005, 14, 3615-3617.	3.9	8
89	Modern Pollen-Rain Characteristics of Tall Terra Firme Moist Evergreen Forest, Southern Amazonia. <i>Quaternary Research</i> , 2005, 64, 284-297.	1.7	62
90	Contrasting pollen histories of MIS 5e and the Holocene from Lake Titicaca (Bolivia/Peru). <i>Journal of Quaternary Science</i> , 2005, 20, 663-670.	2.1	36

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91	A 17 000-year history of Andean climate and vegetation change from Laguna de Chochos, Peru. <i>Journal of Quaternary Science</i> , 2005, 20, 703-714.	2.1	111
92	Responses of Amazonian ecosystems to climatic and atmospheric carbon dioxide changes since the last glacial maximum. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 499-514.	4.0	206
93	A simple and effective methodology for sampling modern pollen rain in tropical environments. <i>Holocene</i> , 2003, 13, 613-618.	1.7	29
94	Twenty-year weathering remeasurements at St Paul's Cathedral, London. <i>Earth Surface Processes and Landforms</i> , 2001, 26, 1129-1142.	2.5	48
95	Environmental Change in the Humid Tropics and Monsoonal Regions. , 0, , 113-140.		7