

Daniel G Gavin

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

6,212
citations

117625

34
h-index

79698

73
g-index

78
all docs

78
docs citations

78
times ranked

6829
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon loss from a deforested and drained tropical peatland over four years as assessed from peat stratigraphy. <i>Catena</i> , 2022, 208, 105719.	5.0	3
2	Reply to: Evidence confirms an anthropic origin of Amazonian Dark Earths. <i>Nature Communications</i> , 2022, 13, .	12.8	2
3	A new hypothesis for the origin of Amazonian Dark Earths. <i>Nature Communications</i> , 2021, 12, 127.	12.8	21
4	Deglacial landforms and Holocene vegetation trajectories in the northern interior cedar-hemlock forests of British Columbia. , 2021, , 81-100.		0
5	Climate of the Last Glacial Maximum on the western Olympic Peninsula based on insect paleoecology, palynology, and glacial geology. , 2021, , .		2
6	A multiproxy database of western North American Holocene paleoclimate records. <i>Earth System Science Data</i> , 2021, 13, 1613-1632.	9.9	10
7	A tale of two conifers: Migration across a dispersal barrier outpaced regional expansion from refugia. <i>Journal of Biogeography</i> , 2021, 48, 2133-2143.	3.0	11
8	New Insights into Paleoseismic Age Models on the Northern San Andreas Fault: Charcoal Inbuilt Ages and Updated Earthquake Correlations. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1077-1089.	2.3	10
9	The oldest extant tropical peatland in the world: a major carbon reservoir for at least 47â€™000 years. <i>Environmental Research Letters</i> , 2020, 15, 114027.	5.2	18
10	The interplay between physical and chemical erosion over glacial-interglacial cycles. <i>Geology</i> , 2019, 47, 613-616.	4.4	15
11	Estuarine Dissolved Oxygen History Inferred from Sedimentary Trace Metal and Organic Matter Preservation. <i>Estuaries and Coasts</i> , 2019, 42, 1211-1225.	2.2	4
12	The value of linking paleoecological and neoecological perspectives to understand spatially-explicit ecosystem resilience. <i>Landscape Ecology</i> , 2019, 34, 17-33.	4.2	20
13	Millennial-scale decline in coho salmon abundance since the middle Holocene in a coastal Oregon watershed, USA. <i>Quaternary Research</i> , 2018, 89, 432-445.	1.7	2
14	Ecological history of a long-lived conifer in a disjunct population. <i>Journal of Ecology</i> , 2018, 106, 319-332.	4.0	12
15	Late Quaternary climatic controls on erosion rates and geomorphic processes in western Oregon, USA. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 715-731.	3.3	43
16	Holocene tree line changes in the Canadian Cordillera are controlled by climate and topography. <i>Journal of Biogeography</i> , 2017, 44, 1148-1159.	3.0	18
17	Seven hundred years of human-driven and climate-influenced fire activity in a British Columbia coastal temperate rainforest. <i>Royal Society Open Science</i> , 2016, 3, 160608.	2.4	11
18	Modeling postglacial vegetation dynamics of temperate forests on the Olympic Peninsula (WA, USA) with special regard to snowpack. <i>Climatic Change</i> , 2016, 137, 379-394.	3.6	8

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19	13,000 years of fire history derived from soil charcoal in a British Columbia coastal temperate rain forest. <i>Ecosphere</i> , 2016, 7, e01415.	2.2	23
20	A Framework to Assess Biogeochemical Response to Ecosystem Disturbance Using Nutrient Partitioning Ratios. <i>Ecosystems</i> , 2016, 19, 387-395.	3.4	22
21	Vegetation stability and the habitat associations of the endemic taxa of the Olympic Peninsula, Washington, USA. <i>Frontiers of Biogeography</i> , 2015, 7, .	1.8	1
22	A Regional Perspective on Holocene Fire-Climate-Human Interactions in the Pacific Northwest of North America. <i>Annals of the American Association of Geographers</i> , 2015, 105, 1135-1157.	3.0	51
23	Frost for the trees: Did climate increase erosion in unglaciated landscapes during the late Pleistocene?. <i>Science Advances</i> , 2015, 1, e1500715.	10.3	70
24	Climate and vegetation since the Last Interglacial (MIS 5e) in a putative glacial refugium, northern Idaho, USA. <i>Quaternary Science Reviews</i> , 2015, 117, 82-95.	3.0	15
25	Forest structure and species traits mediate projected recruitment declines in western US tree species. <i>Global Ecology and Biogeography</i> , 2015, 24, 917-927.	5.8	129
26	Late Pleistocene and Holocene Environmental Change on the Olympic Peninsula, Washington. <i>Ecological Studies</i> , 2015, , .	1.2	35
27	Vegetation stability and the habitat associations of the endemic taxa of the Olympic Peninsula, Washington, USA. <i>Frontiers of Biogeography</i> , 2015, 7, .	1.8	3
28	Western Spruce Budworm Outbreaks Did Not Increase Fire Risk over the Last Three Centuries: A Dendrochronological Analysis of Inter-Disturbance Synergism. <i>PLoS ONE</i> , 2014, 9, e114282.	2.5	22
29	Drought-triggered western spruce budworm outbreaks in the interior Pacific Northwest: A multi-century dendrochronological record. <i>Forest Ecology and Management</i> , 2014, 324, 16-27.	3.2	60
30	Reconstructing Disturbances and Their Biogeochemical Consequences over Multiple Timescales. <i>BioScience</i> , 2014, 64, 105-116.	4.9	80
31	Climate refugia: joint inference from fossil records, species distribution models and phylogeography. <i>New Phytologist</i> , 2014, 204, 37-54.	7.3	361
32	Simulated western spruce budworm defoliation reduces torching and crowning potential: a sensitivity analysis using a physics-based fire model. <i>International Journal of Wildland Fire</i> , 2014, 23, 709.	2.4	9
33	Potential Late-Holocene Disjunction of <i>Sequoia sempervirens</i> on the Central Oregon Coast. <i>Northwest Science</i> , 2013, 87, 81-94.	0.2	1
34	Climatic control of the biomass-burning decline in the Americas after AD 1500. <i>Holocene</i> , 2013, 23, 3-13.	1.7	83
35	Postglacial climate and fire-mediated vegetation change on the western Olympic Peninsula, Washington (USA). <i>Ecological Monographs</i> , 2013, 83, 471-489.	5.4	36
36	Are great Cascadia earthquakes recorded in the sedimentary records from small forearc lakes?. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 2441-2463.	3.6	25

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37	An horizon scan of biogeography. <i>Frontiers of Biogeography</i> , 2013, 5, .	1.8	15
38	An horizon scan of biogeography. <i>Frontiers of Biogeography</i> , 2013, 5, .	1.8	3
39	Long-term perspective on wildfires in the western USA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E535-43.	7.1	425
40	Predictability of biomass burning in response to climate changes. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	201
41	A 14,500-year record of landscape change from Okpilak Lake, northeastern Brooks Range, northern Alaska. <i>Journal of Paleolimnology</i> , 2012, 48, 101-113.	1.6	6
42	Abrupt Holocene climate change and potential response to solar forcing in western Canada. <i>Quaternary Science Reviews</i> , 2011, 30, 1243-1255.	3.0	51
43	Holocene book review: Frederic H. Wagner (editor) <i>Climate Warming in Western North America: Evidence and Environmental Effects</i> Salt Lake City: The University of Utah Press, 2009. 288 pp. \$29.95, paperback. ISBN 978-0-87480-906-1. <i>Holocene</i> , 2011, 21, 513-514.	1.7	0
44	Peak detection in sediment - charcoal records: impacts of alternative data analysis methods on fire-history interpretations. <i>International Journal of Wildland Fire</i> , 2010, 19, 996.	2.4	283
45	Highly episodic fire and erosion regime over the past 2,000 y in the Siskiyou Mountains, Oregon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18909-18914.	7.1	75
46	The coastal disjunct mesic flora in the inland Pacific Northwest of USA and Canada: refugia, dispersal and disequilibrium. <i>Diversity and Distributions</i> , 2009, 15, 972-982.	4.1	27
47	The Northern Inland Temperate Rainforest of British Columbia: Old Forests with a Young History?. <i>Northwest Science</i> , 2009, 83, 70-78.	0.2	18
48	Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. <i>Climate Dynamics</i> , 2008, 30, 887-907.	3.8	590
49	Climate and human influences on global biomass burning over the past two millennia. <i>Nature Geoscience</i> , 2008, 1, 697-702.	12.9	686
50	A rapid upward shift of a forest ecotone during 40 years of warming in the Green Mountains of Vermont. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4197-4202.	7.1	388
51	Midge-inferred Holocene summer temperatures in Southeastern British Columbia, Canada. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 257, 244-259.	2.3	46
52	Forest dynamics and the growth decline of red spruce and sugar maple on Bolton Mountain, Vermont: a comparison of modeling methods. <i>Canadian Journal of Forest Research</i> , 2008, 38, 2635-2649.	1.7	34
53	Forest fire and climate change in western North America: insights from sediment charcoal records. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 499-506.	4.0	143
54	Understanding the origin and analysis of sediment-charcoal records with a simulation model. <i>Quaternary Science Reviews</i> , 2007, 26, 1790-1809.	3.0	298

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55	Drought induces lagged tree mortality in a subalpine forest in the Rocky Mountains. <i>Oikos</i> , 2007, 116, 1983-1994.	2.7	259
56	Forest fire and climate change in western North America: insights from sediment charcoal records. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 499-506.	4.0	1
57	WEAK CLIMATIC CONTROL OF STAND-SCALE FIRE HISTORY DURING THE LATE HOLOCENE. <i>Ecology</i> , 2006, 87, 1722-1732.	3.2	243
58	Spatial variation of climatic and non-climatic controls on species distribution: the range limit of <i>Tsuga heterophylla</i> . <i>Journal of Biogeography</i> , 2006, 33, 1384-1396.	3.0	68
59	How Climate and Vegetation Influence the fire Regime of the Alaskan Boreal Biome: The Holocene Perspective. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2006, 11, 829-846.	2.1	66
60	Bioclimatic modelling using Gaussian mixture distributions and multiscale segmentation. <i>Global Ecology and Biogeography</i> , 2005, 14, 491-501.	5.8	19
61	Morphological differentiation of <i>Betula</i> (birch) pollen in northwest North America and its palaeoecological application. <i>Holocene</i> , 2005, 15, 229-237.	1.7	27
62	Correspondence of pollen assemblages with forest zones across steep environmental gradients, Olympic Peninsula, Washington, USA. <i>Holocene</i> , 2005, 15, 648-662.	1.7	19
63	The tephra stratigraphy of two lakes in south-central British Columbia, Canada and its implications for mid-late Holocene volcanic activity at Glacier Peak and Mount St. Helens, Washington, USA. <i>Canadian Journal of Earth Sciences</i> , 2004, 41, 1401-1410.	1.3	21
64	A statistical approach to evaluating distance metrics and analog assignments for pollen records. <i>Quaternary Research</i> , 2003, 60, 356-367.	1.7	222
65	Pollen-vegetation calibration for tundra communities in the Arctic Foothills, northern Alaska. <i>Journal of Ecology</i> , 2003, 91, 1022-1033.	4.0	39
66	An 1800-year record of the spatial and temporal distribution of fire from the west coast of Vancouver Island, Canada. <i>Canadian Journal of Forest Research</i> , 2003, 33, 573-586.	1.7	106
67	HOLOCENE FIRE HISTORY OF A COASTAL TEMPERATE RAIN FOREST BASED ON SOIL CHARCOAL RADIOCARBON DATES. <i>Ecology</i> , 2003, 84, 186-201.	3.2	159
68	Forest soil disturbance intervals inferred from soil charcoal radiocarbon dates. <i>Canadian Journal of Forest Research</i> , 2003, 33, 2514-2518.	1.7	43
69	Estimation of Inbuilt Age in Radiocarbon Ages of Soil Charcoal for Fire History Studies. <i>Radiocarbon</i> , 2001, 43, 27-44.	1.8	190
70	Postglacial history of subalpine forests, Olympic Peninsula, Washington, USA. <i>Holocene</i> , 2001, 11, 177-188.	1.7	36
71	A 6000-year soil pollen record of subalpine meadow vegetation in the Olympic Mountains, Washington, USA. <i>Journal of Ecology</i> , 1999, 87, 106-122.	4.0	32
72	Vegetative Life History of a Dominant Rain Forest Canopy Tree. <i>Biotropica</i> , 1999, 31, 288-294.	1.6	11

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73	Title is missing!. Plant Ecology, 1997, 131, 223-231.	1.6	21
74	Effects of beech bark disease on the growth of American beech (<i>Fagus grandifolia</i>). Canadian Journal of Forest Research, 1993, 23, 1566-1575.	1.7	59