

Peter G Langdon

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

4,035
citations

125106

35
h-index

139680

61
g-index

85
all docs

85
docs citations

85
times ranked

5222
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of chironomid community structure during historic climatic and environmental change in subarctic Alaska. <i>Limnology and Oceanography</i> , 2022, 67, .	1.6	5
2	Critical Transitions in Lake Ecosystem State May Be Driven by Coupled Feedback Mechanisms: A Case Study from Lake Erhai, China. <i>Water (Switzerland)</i> , 2022, 14, 85.	1.2	5
3	Reconstruction of Ecological Transitions in a Temperate Shallow Lake of the Middle Yangtze River Basin in the Last Century. <i>Water (Switzerland)</i> , 2022, 14, 1136.	1.2	2
4	Contrasting Common Era climate and hydrology sensitivities from paired lake sediment dinosterol hydrogen isotope records in the South Pacific Convergence Zone. <i>Quaternary Science Reviews</i> , 2022, 281, 107421.	1.4	4
5	The 852/3â€™CE Mount Churchill eruption: examining the potential climatic and societal impacts and the timing of the Medieval Climate Anomaly in the North Atlantic region. <i>Climate of the Past</i> , 2022, 18, 1475-1508.	1.3	7
6	Arctic chironomids of the northwest North Atlantic reflect environmental and biogeographic gradients. <i>Journal of Biogeography</i> , 2021, 48, 511-525.	1.4	11
7	Staining of subfossil chironomid head capsules: a method for improving the extraction process from lake sediments and peat. <i>Hydrobiologia</i> , 2021, 848, 631-640.	1.0	0
8	Late Quaternary chironomid community structure shaped by rate and magnitude of climate change. <i>Journal of Quaternary Science</i> , 2021, 36, 360-376.	1.1	7
9	Spatial variation of hydroclimate in north-eastern North America during the last millennium. <i>Quaternary Science Reviews</i> , 2021, 256, 106813.	1.4	6
10	Insect body size changes under future warming projections: a case study of Chironomidae (Insecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	16
11	Temperatureâ€™body size responses in insects: a case study of British Odonata. <i>Ecological Entomology</i> , 2020, 45, 795-805.	1.1	32
12	Human occupation and ecosystem change on Upolu (Samoa) during the Holocene. <i>Journal of Biogeography</i> , 2020, 47, 600-614.	1.4	18
13	Tracing lake pollution, eutrophication and partial recovery from the sediments of Windermere, UK, using geochemistry and sediment microfibrils. <i>Science of the Total Environment</i> , 2020, 722, 137745.	3.9	21
14	Human settlement of East Polynesia earlier, incremental, and coincident with prolonged South Pacific drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8813-8819.	3.3	54
15	A global database of Holocene paleotemperature records. <i>Scientific Data</i> , 2020, 7, 115.	2.4	112
16	Metrics of structural change as indicators of chironomid community stability in high latitude lakes. <i>Quaternary Science Reviews</i> , 2020, 249, 106594.	1.4	13
17	Regime shifts in shallow lake ecosystems along an urban-rural gradient in central China. <i>Science of the Total Environment</i> , 2020, 733, 139309.	3.9	14
18	Network parameters quantify loss of assemblage structure in humanâ€™impacted lake ecosystems. <i>Global Change Biology</i> , 2019, 25, 3871-3882.	4.2	30

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19	Chironomid communities from subalpine peatlands in subtropical China as indicators of environmental change. <i>Journal of Paleolimnology</i> , 2019, 62, 165-179.	0.8	8
20	Widespread drying of European peatlands in recent centuries. <i>Nature Geoscience</i> , 2019, 12, 922-928.	5.4	130
21	Reconstructing precipitation in the tropical South Pacific from dinosterol 2H/1H ratios in lake sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 190-206.	1.6	14
22	A 2500-year climate and environmental record inferred from subfossil chironomids from Lugu Lake, southwestern China. <i>Hydrobiologia</i> , 2018, 811, 193-206.	1.0	20
23	First human impacts and responses of aquatic systems: A review of palaeolimnological records from around the world. <i>Infrastructure Asset Management</i> , 2018, 5, 28-68.	1.2	101
24	Potential forcings of summer temperature variability of the southeastern Tibetan Plateau in the past 12 ka. <i>Journal of Asian Earth Sciences</i> , 2018, 159, 34-41.	1.0	4
25	A new terrestrial palaeoenvironmental record from the Bering Land Bridge and context for human dispersal. <i>Royal Society Open Science</i> , 2018, 5, 180145.	1.1	46
26	Timing and magnitude of early to middle Holocene warming in East Greenland inferred from chironomids. <i>Boreas</i> , 2017, 46, 678-687.	1.2	36
27	Chronology and glass chemistry of tephra and cryptotephra horizons from lake sediments in northern Alaska, USA. <i>Quaternary Research</i> , 2017, 88, 169-178.	1.0	7
28	Diploptene $\delta^{13}C$ values from contemporary thermokarst lake sediments show complex spatial variation. <i>Biogeosciences</i> , 2016, 13, 2611-2621.	1.3	20
29	Cover Image, Volume 3, Issue 2. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016, 3, i.	2.8	1
30	Combined effects of nutrients and trace metals on chironomid composition and morphology in a heavily polluted lake in central China since the early 20th century. <i>Hydrobiologia</i> , 2016, 779, 147-159.	1.0	12
31	Early warning of critical transitions in biodiversity from compositional disorder. <i>Ecology</i> , 2016, 97, 3079-3090.	1.5	43
32	Consequences of Fish Kills for Long-Term Trophic Structure in Shallow Lakes: Implications for Theory and Restoration. <i>Ecosystems</i> , 2016, 19, 1289-1309.	1.6	25
33	Solar cycles or random processes? Evaluating solar variability in Holocene climate records. <i>Scientific Reports</i> , 2016, 6, 23961.	1.6	21
34	A mid to late Holocene cryptotephra framework from eastern North America. <i>Quaternary Science Reviews</i> , 2016, 132, 101-113.	1.4	38
35	Long-term perspectives on terrestrial and aquatic carbon cycling from palaeolimnology. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016, 3, 211-234.	2.8	27
36	Climatic variability during the last millennium in Western Iceland from lake sediment records. <i>Holocene</i> , 2016, 26, 756-771.	0.9	15

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37	Chironomid-inferred environmental change over the past 1400 years in the shallow, eutrophic Taibai Lake (south-east China): Separating impacts of climate and human activity. <i>Holocene</i> , 2014, 24, 581-590.	0.9	15
38	Safe and just operating spaces for regional social-ecological systems. <i>Global Environmental Change</i> , 2014, 28, 227-238.	3.6	311
39	Summer temperature gradients in northwest Europe during the Lateglacial to early Holocene transition (15â€“8ÅkaBP) inferred from chironomid assemblages. <i>Quaternary International</i> , 2014, 341, 80-90.	0.7	46
40	A palaeoenvironmental context for Terminal Upper Palaeolithic and Mesolithic activity in the Colne Valley: Offsite records contemporary with occupation at Three Ways Wharf, Uxbridge. <i>Environmental Archaeology</i> , 2014, 19, 131-152.	0.6	5
41	Spatially different nutrient histories recorded by multiple cores and implications for management in Taihu Lake, eastern China. <i>Chinese Geographical Science</i> , 2013, 23, 537-549.	1.2	6
42	Holocene temperature history at the western Greenland Ice Sheet margin reconstructed from lake sediments. <i>Quaternary Science Reviews</i> , 2013, 59, 87-100.	1.4	61
43	Centennial-scale climate change in Ireland during the Holocene. <i>Earth-Science Reviews</i> , 2013, 126, 300-320.	4.0	79
44	The effects of soil erosion on chironomid assemblages in Lugu Lake over the past 120 years. <i>International Review of Hydrobiology</i> , 2013, 98, 165-172.	0.5	28
45	Comparing and cross-validating lake and bog palaeoclimatic records: a review and a new 5,000Åyear chironomid-inferred temperature record from northern England. <i>Journal of Paleolimnology</i> , 2013, 49, 497-512.	0.8	9
46	Wang et al. reply. <i>Nature</i> , 2013, 498, E12-E13.	13.7	2
47	Within-lake variability of subfossil chironomid assemblage in a large, deep subtropical lake (Lugu lake, Tj ETQq1 1 0,784314 rgBT /Overl	0.3	18
48	Chironomids can be reliable proxies for Holocene temperatures. A comment on Velle et al. (2010). <i>Holocene</i> , 2012, 22, 1495-1500.	0.9	36
49	Extending the timescale and range of ecosystem services through paleoenvironmental analyses, exemplified in the lower Yangtze basin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1111-20.	3.3	163
50	Flickering gives early warning signals of a critical transition to a eutrophic lake state. <i>Nature</i> , 2012, 492, 419-422.	13.7	440
51	Holocene environmental change at Lake Shudu, Yunnan Province, southwestern China. <i>Hydrobiologia</i> , 2012, 693, 223-235.	1.0	20
52	Reconstruction of past methane availability in an Arctic Alaska wetland indicates climate influenced methane release during the past ~12,000Åyears. <i>Journal of Paleolimnology</i> , 2012, 48, 27-42.	0.8	59
53	Alternate trajectories in historic trophic change from two lakes in the same catchment, Huayang Basin, middle reach of Yangtze River, China. <i>Journal of Paleolimnology</i> , 2012, 48, 367-381.	0.8	30
54	Lake ecosystem dynamics and links to climate change inferred from a stable isotope and organic palaeorecord from a mountain lake in southwestern China (ca. 22.6â€“10.5 cal ka BP). <i>Quaternary Research</i> , 2012, 77, 132-137.	1.0	36

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55	New insights on Late Quaternary Asian palaeomonsoon variability and the timing of the Last Glacial Maximum in southwestern China. <i>Quaternary Science Reviews</i> , 2011, 30, 808-820.	1.4	60
56	Merging chironomid training sets: implications for palaeoclimate reconstructions. <i>Quaternary Science Reviews</i> , 2011, 30, 2793-2804.	1.4	13
57	Ecological influences affecting the distribution of larval chironomid communities in the lakes on Yunnan Plateau, SW China. <i>Fundamental and Applied Limnology</i> , 2011, 179, 103-113.	0.4	11
58	Limnological responses to warming on the Xizang Plateau, Tibet, over the past 2000 years. <i>Journal of Paleolimnology</i> , 2011, 45, 257-271.	0.8	32
59	Ecological influences on larval chironomid communities in shallow lakes: implications for palaeolimnological interpretations. <i>Freshwater Biology</i> , 2010, 55, 531-545.	1.2	103
60	Inferring past zooplanktivorous fish and macrophyte density in a shallow lake: application of a new regression tree model. <i>Freshwater Biology</i> , 2010, 55, 584-599.	1.2	59
61	Combining contemporary ecology and palaeolimnology to understand shallow lake ecosystem change. <i>Freshwater Biology</i> , 2010, 55, 487-499.	1.2	102
62	A 150-year record of recent changes in human activity and eutrophication of Lake Wushan from the middle reach of the Yangze River, China. <i>Journal of Limnology</i> , 2010, 69, 235.	0.3	51
63	Climate of the Little Ice Age and the past 2000 years in northeast Iceland inferred from chironomids and other lake sediment proxies. <i>Journal of Paleolimnology</i> , 2009, 41, 7-24.	0.8	48
64	Subfossil chironomid variability in surface sediment samples from Icelandic lakes: implications for the development and use of training sets. <i>Journal of Paleolimnology</i> , 2009, 42, 281-295.	0.8	19
65	Lake sediment evidence for late Holocene climate change and landscape erosion in western Iceland. <i>Journal of Paleolimnology</i> , 2009, 42, 413-426.	0.8	45
66	Climate drivers for peatland palaeoclimate records. <i>Quaternary Science Reviews</i> , 2009, 28, 1811-1819.	1.4	146
67	Fossil insects and ecosystem dynamics in wetlands: implications for biodiversity and conservation. <i>Biodiversity and Conservation</i> , 2008, 17, 2055-2078.	1.2	30
68	Environmental controls on modern chironomid faunas from NW Iceland and implications for reconstructing climate change. <i>Journal of Paleolimnology</i> , 2008, 40, 273-293.	0.8	52
69	Bronze Age upland settlement decline in southwest England: testing the climate change hypothesis. <i>Journal of Archaeological Science</i> , 2008, 35, 87-98.	1.2	48
70	Dating the Glen Garry tephra: a widespread late-Holocene marker horizon in the peatlands of northern Britain. <i>Holocene</i> , 2008, 18, 31-43.	0.9	32
71	Holocene temperature history of northern Iceland inferred from subfossil midges. <i>Quaternary Science Reviews</i> , 2007, 26, 3344-3358.	1.4	53
72	What drives the peat-based palaeoclimate record? A critical test using multi-proxy climate records from northern Britain. <i>Quaternary Science Reviews</i> , 2007, 26, 3318-3327.	1.4	68

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73	Separating climatic and possible human impacts in the early Holocene: biotic response around the time of the 8200 cal. yr BP event. <i>Journal of Quaternary Science</i> , 2007, 22, 77-84.	1.1	35
74	A chironomid-based salinity inference model from lakes on the Tibetan Plateau. <i>Journal of Paleolimnology</i> , 2007, 38, 477-491.	0.8	50
75	Compilation of non-annually resolved Holocene proxy climate records: stacked Holocene peatland palaeo-water table reconstructions from northern Britain. <i>Quaternary Science Reviews</i> , 2006, 25, 336-350.	1.4	224
76	Early Holocene climate variability and the timing and extent of the Holocene thermal maximum (HTM) in northern Iceland. <i>Quaternary Science Reviews</i> , 2006, 25, 2314-2331.	1.4	89
77	Assessing lake eutrophication using chironomids: understanding the nature of community response in different lake types. <i>Freshwater Biology</i> , 2006, 51, 562-577.	1.2	110
78	The climate of Scotland over the last 5000 years inferred from multiproxy peatland records: inter-site correlations and regional variability. <i>Journal of Quaternary Science</i> , 2005, 20, 549-566.	1.1	88
79	Vegetation, landscape and human activity in Midland Ireland: mire and lake records from the Lough Kinale-Derragh Lough area, Central Ireland. <i>Vegetation History and Archaeobotany</i> , 2005, 14, 81-98.	1.0	21
80	Efstadalsvatn – a multi-proxy study of a Holocene lacustrine sequence from NW Iceland. <i>Journal of Paleolimnology</i> , 2003, 30, 55-73.	0.8	74