

Peter A Gell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3473522/publications.pdf>

Version: 2024-02-01

74
papers

4,445
citations

218677

26
h-index

110387

64
g-index

77
all docs

77
docs citations

77
times ranked

5827
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging threats and persistent conservation challenges for freshwater biodiversity. <i>Biological Reviews</i> , 2019, 94, 849-873.	10.4	1,766
2	A global perspective on wetland salinization: ecological consequences of a growing threat to freshwater wetlands. <i>Ecosphere</i> , 2015, 6, 1-43.	2.2	583
3	Looking forward through the past: identification of 50 priority research questions in palaeoecology. <i>Journal of Ecology</i> , 2014, 102, 256-267.	4.0	212
4	Regime shifts, thresholds and multiple stable states in freshwater ecosystems; a critical appraisal of the evidence. <i>Science of the Total Environment</i> , 2015, 534, 122-130.	8.0	146
5	When trends intersect: The challenge of protecting freshwater ecosystems under multiple land use and hydrological intensification scenarios. <i>Science of the Total Environment</i> , 2015, 534, 65-78.	8.0	105
6	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.	1.6	101
7	The Development of a Diatom Database for Inferring Lake Salinity, Western Victoria, Australia: Towards a Quantitative Approach for Reconstructing Past Climates. <i>Australian Journal of Botany</i> , 1997, 45, 389.	0.6	90
8	Seasonal and interannual variations in diatom assemblages in Murray River connected wetlands in north-west Victoria, Australia. <i>Marine and Freshwater Research</i> , 2002, 53, 981.	1.3	83
9	Palaeolimnological evidence for the independent evolution of neighbouring terminal lakes, the Murray Darling Basin, Australia. <i>Hydrobiologia</i> , 2007, 591, 117-134.	2.0	79
10	A diatom species index for bioassessment of Australian rivers. <i>Marine and Freshwater Research</i> , 2007, 58, 542.	1.3	70
11	Tareena Billabong - a palaeolimnological history of an ever-changing wetland, Chowilla Floodplain, lower Murray - Darling Basin, Australia. <i>Marine and Freshwater Research</i> , 2005, 56, 441.	1.3	68
12	Anthropogenic acceleration of sediment accretion in lowland floodplain wetlands, Murrayâ€“Darling Basin, Australia. <i>Geomorphology</i> , 2009, 108, 122-126.	2.6	68
13	The Role of Substrate Type on Benthic Diatom Assemblages in the Daly and Roper Rivers of the Australian Wet/Dry Tropics. <i>Hydrobiologia</i> , 2005, 548, 101-115.	2.0	58
14	Deciphering longâ€“term records of natural variability and human impact as recorded in lake sediments: a palaeolimnological puzzle. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, e1195.	6.5	56
15	The impact of regulation and salinisation on floodplain lakes: the lower River Murray, Australia. <i>Hydrobiologia</i> , 2007, 591, 135-146.	2.0	52
16	Changes in the chemistry of sedimentary organic matter within the Coorong over space and time. <i>Biogeochemistry</i> , 2009, 92, 9-25.	3.5	46
17	Assessing change in floodplain wetland condition in the Murray Darling Basin, Australia. <i>Anthropocene</i> , 2014, 8, 39-45.	3.3	45
18	Chemical diversity in south-eastern Australian saline lakes. I: geochemical causes. <i>Marine and Freshwater Research</i> , 2002, 53, 941.	1.3	44

#	ARTICLE	IF	CITATIONS
19	The response of vegetation to changing fire regimes and human activity in East Gippsland, Victoria, Australia. <i>Holocene</i> , 1993, 3, 150-160.	1.7	38
20	Local knowledge and environmental management: a cautionary tale from Lake Ainsworth, New South Wales, Australia. <i>Environmental Conservation</i> , 2007, 34, .	1.3	38
21	Diatom salinity relationships in wetlands: assessing the influence of salinity variability on the development of inference models. <i>Hydrobiologia</i> , 2007, 591, 207-218.	2.0	38
22	The Holocene history of West Basin Lake, Victoria, Australia; chemical changes based on fossil biota and sediment mineralogy. <i>Journal of Paleolimnology</i> , 1994, 12, 235-258.	1.6	35
23	Climate variability in south-eastern Australia over the last 1500 years inferred from the high-resolution diatom records of two crater lakes. <i>Quaternary Science Reviews</i> , 2014, 95, 115-131.	3.0	34
24	Role of palaeoecology in describing the ecological character of wetlands. <i>Marine and Freshwater Research</i> , 2016, 67, 687.	1.3	34
25	A legacy of climate and catchment change: the real challenge for wetland management. <i>Hydrobiologia</i> , 2013, 708, 133-144.	2.0	33
26	Holocene vegetation change, Aboriginal wetland use and the impact of European settlement on the Fleurieu Peninsula, South Australia. <i>Holocene</i> , 2005, 15, 200-215.	1.7	31
27	With the benefit of hindsight: the utility of palaeoecology in wetland condition assessment and identification of restoration targets. , 2010, , 162-188.		29
28	Tracking a century of change in trophic structure and dynamics in a floodplain wetland: integrating palaeoecological and palaeoisotopic evidence. <i>Freshwater Biology</i> , 2015, 60, 711-723.	2.4	27
29	Wetland and terrestrial vegetation change since European settlement on the Fleurieu Peninsula, South Australia. <i>Holocene</i> , 2008, 18, 425-436.	1.7	22
30	The palaeolimnological record from lake Cullulleraine, lower Murray River (south-east Australia): implications for understanding riverine histories. <i>Journal of Paleolimnology</i> , 2010, 43, 309-322.	1.6	21
31	Against the tide: the freshening of naturally saline coastal lakes, southeastern South Australia. <i>Hydrobiologia</i> , 2007, 591, 165-183.	2.0	19
32	Interaction between a river and its wetland: evidence from the Murray River for spatial variability in diatom and radioisotope records. <i>Journal of Paleolimnology</i> , 2012, 47, 205-219.	1.6	19
33	Ten complementary measures to assist with environmental watering programs in the Murray-Darling river system, Australia. <i>River Research and Applications</i> , 2020, 36, 645-655.	1.7	19
34	Natural and post-European settlement variability in water quality of the lower Snowy River floodplain, eastern Victoria, Australia. <i>River Research and Applications</i> , 2005, 21, 201-213.	1.7	18
35	Ecological response to hydrological variability and catchment development: Insights from a shallow oxbow lake in Lower Mississippi Valley, Arkansas. <i>Science of the Total Environment</i> , 2016, 569-570, 1087-1097.	8.0	18
36	Increasing the understanding and use of natural archives of ecosystem services, resilience and thresholds to improve policy, science and practice. <i>Holocene</i> , 2015, 25, 366-378.	1.7	17

#	ARTICLE	IF	CITATIONS
37	Palaeoecological evidence for sustained change in a shallow Murray River (Australia) floodplain lake: regime shift or press response?. <i>Hydrobiologia</i> , 2017, 787, 269-290.	2.0	17
38	Management pathways for the floodplain wetlands of the southern Murrayâ€“Darling Basin: Lessons from history. <i>River Research and Applications</i> , 2019, 35, 1291-1301.	1.7	17
39	Watching the tide roll away â€“ contested interpretations of the nature of the Lower Lakes of the Murray Darling Basin. <i>Pacific Conservation Biology</i> , 2020, 26, 130.	1.0	17
40	Diatom assemblage in the 24 cm upper sediment associated with human activities in Lake Warna Dieng Plateau Indonesia. <i>Environmental Technology and Innovation</i> , 2018, 10, 314-323.	6.1	16
41	Hydrological Change in the Coorong Estuary, Australia, Past and Present: Evidence from Fossil Invertebrate and Algal Assemblages. <i>Estuaries and Coasts</i> , 2015, 38, 2101-2116.	2.2	15
42	Using the past to manage the future: the role of palaeoecological and longâ€“term data in ecological restoration. <i>Restoration Ecology</i> , 2020, 28, 1335-1342.	2.9	15
43	LIMPACSâ€“â€“Human and Climate Interactions with Lake Ecosystems: setting research priorities in the study of the impact of salinisation and climate change on lakes, 2005â€“2010. <i>Hydrobiologia</i> , 2007, 591, 99-101.	2.0	14
44	Complex reservoir sedimentation revealed by an unusual combination of sediment records, Kangaroo Creek Reservoir, South Australia. <i>Journal of Paleolimnology</i> , 2010, 43, 535-549.	1.6	14
45	Muddied Waters: The Case for Mitigating Sediment and Nutrient Flux to Optimize Restoration Response in the Murray-Darling Basin, Australia. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	14
46	Using long-term data to inform a decision pathway for restoration of ecosystem resilience. <i>Anthropocene</i> , 2021, 36, 100315.	3.3	14
47	Identifying coherent patterns of environmental change between multiple, multivariate records: an application to four 1000-year diatom records from Victoria, Australia. <i>Quaternary Science Reviews</i> , 2015, 119, 94-105.	3.0	13
48	Community structure and ecological responses to hydrological changes in benthic algal assemblages in a regulated river: application of algal metrics and multivariate techniques in river management. <i>Environmental Science and Pollution Research</i> , 2021, 28, 39805-39825.	5.3	13
49	Implications of environmental trajectories for Limits of Acceptable Change: a case study of the Riverland Ramsar site, South Australia. <i>Marine and Freshwater Research</i> , 2016, 67, 738.	1.3	10
50	Biogeochemical Responses to Holocene Catchmentâ€“Lake Dynamics in the Tasmanian World Heritage Area, Australia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1610-1624.	3.0	9
51	Sensitivity of wetlands and water resources in southeastern Australia to climate and catchment change. <i>PAGES News</i> , 2007, 15, 13-15.	0.3	9
52	Human Impacts on Lacustrine Ecosystems. , 2012, , 47-70.		9
53	Blooms of cyanobacteria in a temperate Australian lagoon system post and prior to European settlement. <i>Biogeosciences</i> , 2016, 13, 3677-3686.	3.3	8
54	Restoring Murray River floodplain wetlands: Does the sediment record inform on watering regime?. <i>River Research and Applications</i> , 2020, 36, 620-629.	1.7	7

#	ARTICLE	IF	CITATIONS
55	Editorial: Understanding change in the ecological character of wetlands. <i>Marine and Freshwater Research</i> , 2016, 67, 683.	1.3	6
56	Land-use changes concerning the riparian vegetation in Galela Lake, North Maluku, Indonesia. <i>Ecological Engineering</i> , 2021, 170, 106368.	3.6	5
57	Changes Over Time. , 2018, , 283-305.		5
58	Regional wetland response typology: Murray-Darling Basin, Australia. <i>PAGES News</i> , 2011, 19, 62-64.	0.1	5
59	Integration of palaeo-and-modern food webs reveal slow changes in a river floodplain wetland ecosystem. <i>Scientific Reports</i> , 2020, 10, 12955.	3.3	4
60	Paleolimnological History of the Coorong: Identifying the Natural Ecological Character of a Ramsar Wetland in Crisis. <i>Developments in Paleoenvironmental Research</i> , 2017, , 587-613.	8.0	4
61	Floodplain Lakes: Evolution and Response. <i>Eos</i> , 2011, 92, 154-154.	0.1	3
62	Watching the Tide Roll Away – reply to Tibby et al. (2020). <i>Pacific Conservation Biology</i> , 2020, 26, 338.	1.0	3
63	Morphology, ecology and biogeography of <i>Stauroneis pachycephala</i> P.T. Cleve (Bacillariophyta) and its transfer to the genus <i>Envekedea</i> . <i>Diatom Research</i> , 2014, 29, 455-464.	1.2	2
64	Biases encountered in long-term monitoring studies of invertebrates and microflora: Australian examples of protocols, personnel, tools and site location. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 491.	2.7	2
65	Introduction to the Application of Paleocological Techniques in Estuaries. <i>Developments in Paleoenvironmental Research</i> , 2017, , 1-6.	8.0	2
66	Paleoecological Evidence for Variability and Change in Estuaries: Insights for Management. <i>Developments in Paleoenvironmental Research</i> , 2017, , 75-86.	8.0	2
67	Ramsar Wetlands: Understanding Change in Ecological Character. <i>Past Global Change Magazine</i> , 2014, 22, 107-107.	0.1	2
68	Paleolimnology Record of Human Impact on a Lake Ecosystem: The Case of Shallow Lakes in Central Java. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 276, 012015.	0.3	1
69	Palaeoecology as a means of auditing wetland condition. , 2012, , .		1
70	Management to Insulate Ecosystem Services from the Effects of Catchment Development. <i>E3S Web of Conferences</i> , 2018, 31, 08001.	0.5	0
71	Environmental Science and Experiential Learning. , 2013, , 49-59.		0
72	The Changing Character of a Ramsar Wetland; The Coorong, Australia. , 2016, , 1-11.		0

#	ARTICLE	IF	CITATIONS
73	The Coorong: Murray-Darling River Basin (Australia). , 2018, , 1909-1919.		0
74	Wetland management: preparing for climate and coastal change using adaptation pathways. E3S Web of Conferences, 2020, 202, 01004.	0.5	0