

Adrian Gilli

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,230
citations

147726

31
h-index

155592

55
g-index

72
all docs

72
docs citations

72
times ranked

4125
citing authors

#	ARTICLE	IF	CITATIONS
1	An 85-ka record of climate change in lowland Central America. <i>Quaternary Science Reviews</i> , 2008, 27, 1152-1165.	1.4	211
2	Tracing bottom water oxygenation with sedimentary Mn/Fe ratios in Lake Zurich, Switzerland. <i>Chemical Geology</i> , 2013, 352, 125-133.	1.4	207
3	North-south palaeohydrological contrasts in the central Mediterranean during the Holocene: tentative synthesis and working hypotheses. <i>Climate of the Past</i> , 2013, 9, 2043-2071.	1.3	195
4	Holocene flood frequency across the Central Alps - solar forcing and evidence for variations in North Atlantic atmospheric circulation. <i>Quaternary Science Reviews</i> , 2013, 80, 112-128.	1.4	191
5	Investigating hypoxia in aquatic environments: diverse approaches to addressing a complex phenomenon. <i>Biogeosciences</i> , 2014, 11, 1215-1259.	1.3	175
6	Holocene palaeoclimates of southern Patagonia: limnological and environmental history of Lago Cardiel, Argentina. <i>Holocene</i> , 2003, 13, 581-591.	0.9	145
7	Mid-Holocene strengthening of the Southern Westerlies in South America - Sedimentological evidences from Lago Cardiel, Argentina (49°S). <i>Global and Planetary Change</i> , 2005, 49, 75-93.	1.6	103
8	Redox-dependent niche differentiation provides evidence for multiple bacterial sources of glycerol tetraether lipids in lakes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10926-10931.	3.3	94
9	A ~43-ka record of paleoenvironmental change in the Central American lowlands inferred from stable isotopes of lacustrine ostracods. <i>Quaternary Science Reviews</i> , 2012, 37, 92-104.	1.4	86
10	High-resolution late-glacial chronology for the Gerzensee lake record (Switzerland): $\delta^{18}O$ correlation between a Gerzensee-stack and NGRIP. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 391, 13-24.	1.0	81
11	Frequent floods in the European Alps coincide with cooler periods of the past 2500 years. <i>Scientific Reports</i> , 2013, 3, 2770.	1.6	76
12	Tracking abrupt climate change in the Southern Hemisphere: a seismic stratigraphic study of Lago Cardiel, Argentina (49°S). <i>Terra Nova</i> , 2001, 13, 443-448.	0.9	75
13	Late Quaternary climate-induced lake level variations in Lake Peten Itzaj, Guatemala, inferred from seismic stratigraphic analysis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 230, 52-69.	1.0	73
14	Mass-movement and flood-induced deposits in Lake Ledro, southern Alps, Italy: implications for Holocene palaeohydrology and natural hazards. <i>Climate of the Past</i> , 2013, 9, 825-840.	1.3	72
15	Combining sedimentological, trace metal (Mn, Mo) and molecular evidence for reconstructing past water-column redox conditions: The example of meromictic Lake Cadagno (Swiss Alps). <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 220-238.	1.6	70
16	Late Glacial temperature and precipitation changes in the lowland Neotropics by tandem measurement of $\delta^{18}O$ in biogenic carbonate and gypsum hydration water. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 352-368.	1.6	68
17	Bacterial GDGTs in Holocene sediments and catchment soils of a high Alpine lake: application of the MBT/CBT-paleothermometer. <i>Climate of the Past</i> , 2012, 8, 889-906.	1.3	68
18	Impact of recent lake eutrophication on microbial community changes as revealed by high resolution lipid biomarkers in Rotsee (Switzerland). <i>Organic Geochemistry</i> , 2012, 49, 86-95.	0.9	66

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19	A 2000 year long seasonal record of floods in the southern European Alps. <i>Geophysical Research Letters</i> , 2013, 40, 4025-4029.	1.5	65
20	Orbital changes, variation in solar activity and increased anthropogenic activities: controls on the Holocene flood frequency in the Lake Ledro area, Northern Italy. <i>Climate of the Past</i> , 2013, 9, 1193-1209.	1.3	62
21	A sedimentary record of Holocene surface runoff events and earthquake activity from Lake Iseo (Southern Alps, Italy). <i>Holocene</i> , 2012, 22, 749-760.	0.9	60
22	Seismic stratigraphy, buried beach ridges and contourite drifts: the Late Quaternary history of the closed Lago Cardiel basin, Argentina (49°S). <i>Sedimentology</i> , 2004, 52, 1-23.	1.6	59
23	Holocene climate, fire and vegetation dynamics at the treeline in the Northwestern Swiss Alps. <i>Vegetation History and Archaeobotany</i> , 2014, 23, 479-496.	1.0	56
24	Human-climate interactions in the central Mediterranean region during the last millennia: The laminated record of Lake Butrint (Albania). <i>Quaternary Science Reviews</i> , 2016, 136, 134-152.	1.4	54
25	Lake Sediments as Archives of Recurrence Rates and Intensities of Past Flood Events. <i>Advances in Global Change Research</i> , 2013, , 225-242.	1.6	52
26	Natural and human-induced environmental change in southern Albania for the last 300years - Constraints from the Lake Butrint sedimentary record. <i>Global and Planetary Change</i> , 2010, 71, 183-192.	1.6	46
27	Long-stored soil carbon released by prehistoric land use: Evidence from compound-specific radiocarbon analysis on Soppensee lake sediments. <i>Quaternary Science Reviews</i> , 2016, 144, 123-131.	1.4	43
28	Re-evaluation of Climate Change in Lowland Central America During the Last Glacial Maximum Using New Sediment Cores from Lake Petz' on Itz', Guatemala. <i>Developments in Paleoenvironmental Research</i> , 2009, , 113-128.	7.5	42
29	Climate and vegetation changes during the Lateglacial and early-middle Holocene at Lake Ledro (southern Alps, Italy). <i>Climate of the Past</i> , 2013, 9, 913-933.	1.3	40
30	Vegetational and agricultural dynamics at Burgäschisee (Swiss Plateau) recorded for 18,700 years by multi-proxy evidence from partly varved sediments. <i>Vegetation History and Archaeobotany</i> , 2017, 26, 571-586.	1.0	37
31	Late Quaternary palaeoenvironment of northern Guatemala: evidence from deep drill cores and seismic stratigraphy of Lake Petz' on Itz'. <i>Sedimentology</i> , 2010, 57, 1220.	1.6	35
32	Late quaternary environmental changes in Patagonia as inferred from lacustrine fossil and extant ostracods. <i>Biological Journal of the Linnean Society</i> , 2011, 103, 397-408.	0.7	34
33	Lead (Pb) Isotope Baselines for Studies of Ancient Human Migration and Trade in the Maya Region. <i>PLoS ONE</i> , 2016, 11, e0164871.	1.1	31
34	Lake-level changes in central Patagonia (Argentina): crossing environmental thresholds for Lateglacial and Holocene human occupation. <i>Journal of Quaternary Science</i> , 2010, 25, 1092-1099.	1.1	30
35	Responses to rapid warming at Termination 1a at Gerzensee (Central Europe): Primary succession, albedo, soils, lake development, and ecological interactions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 391, 111-131.	1.0	28
36	Impact of warmer climate periods on flood hazard in the European Alps. <i>Nature Geoscience</i> , 2022, 15, 118-123.	5.4	28

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37	Late Pleistocene Environmental Change in Eastern Patagonia and Tierra del Fuego – A Limnogeological Approach. <i>Developments in Quaternary Sciences</i> , 2008, , 241-253.	0.1	24
38	Variations of sedimentary Fe and Mn fractions under changing lake mixing regimes, oxygenation and land surface processes during Late-glacial and Holocene times. <i>Science of the Total Environment</i> , 2021, 755, 143418.	3.9	24
39	Development of a real-time PCR method for the detection of fossil 16S rDNA fragments of phototrophic sulfur bacteria in the sediments of Lake Cadagno. <i>Geobiology</i> , 2012, 10, 196-204.	1.1	23
40	Early stage weathering systematics of Pb and Nd isotopes derived from a high-Alpine Holocene lake sediment record. <i>Chemical Geology</i> , 2019, 507, 42-53.	1.4	23
41	1200 years of decadal-scale variability of Mediterranean vegetation and climate at Pantelleria Island, Italy. <i>Holocene</i> , 2013, 23, 1477-1486.	0.9	22
42	Geological and archaeological implications of strontium isotope analysis of exposed bedrock in the Chicxulub crater basin, northwestern Yucatan, Mexico. <i>Geology</i> , 2009, 37, 723-726.	2.0	19
43	Multistage Rock-Slope Failures Revealed in Lake Sediments in a Seismically Active Alpine Region (Lake Tj ETQq1 1 0.784314 rgBT /Qv	1.0	18
44	Radiocarbon Wiggle Matching on Laminated Sediments Delivers High-Precision Chronologies. <i>Radiocarbon</i> , 2019, 61, 265-285.	0.8	18
45	The Lago Cardiel Basin, Argentina (49°S): Origin and evolution revealed by high-resolution multichannel seismic reflection studies. <i>Journal of South American Earth Sciences</i> , 2008, 25, 74-85.	0.6	17
46	Alpine lacustrine varved record reveals summer temperature as main control of glacier fluctuations over the past 2250 years. <i>Holocene</i> , 2015, 25, 280-287.	0.9	17
47	Early human impact in a 15,000-year high-resolution hyperspectral imaging record of paleoproduction and anoxia from a varved lake in Switzerland. <i>Quaternary Science Reviews</i> , 2020, 239, 106335.	1.4	17
48	Intercomparison of XRF Core Scanning Results From Seven Labs and Approaches to Practical Calibration. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009248.	1.0	16
49	Plants or bacteria? 130 years of mixed imprints in Lake Baldegg sediments (Switzerland), as revealed by compound-specific isotope analysis (CSIA) and biomarker analysis. <i>Biogeosciences</i> , 2019, 16, 2131-2146.	1.3	14
50	North Atlantic influences on climate conditions in East-Central Europe in the late Holocene reflected by flowstone compositions. <i>Quaternary International</i> , 2019, 512, 99-112.	0.7	13
51	Turbidite frequency and composition in the distal part of the Bahamas Transect. , 0, , .		13
52	Detecting the Delayed Signatures of Changing Sediment Supply in Salt-Marsh Landscapes: The Case of the Venice Lagoon (Italy). <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	10
53	Late-Holocene climate variability and ecosystem responses in Alaska inferred from high-resolution multiproxy sediment analyses at Grizzly Lake. <i>Quaternary Science Reviews</i> , 2015, 126, 41-56.	1.4	9
54	The nexus among long-term changes in lake primary productivity, deep-water anoxia, and internal phosphorus loading, explored through analysis of a 15,000-year varved sediment record. <i>Global and Planetary Change</i> , 2021, 207, 103643.	1.6	7

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55	Ancient and Modern Geochemical Signatures in the 13,500-Year Sedimentary Record of Lake Cadagno. <i>Frontiers in Earth Science</i> , 2022, 9, .	0.8	7
56	Climatic and anthropogenic forcing of prehistorical vegetation succession and fire dynamics in the Lago di Como area (N-Italy, Insubria). <i>Quaternary Science Reviews</i> , 2017, 161, 45-67.	1.4	4
57	A 600-year sedimentary record of flood events from two sub-alpine lakes (Schwendiseen,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	0.4	10
58	Comment on: G. Wenzens 2005: Glacier advances east of the Southern Andes between the Last Glacial Maximum and 5,000 BP compared with lake terraces of the endorrheic Lago Cardiel (49 S, Patagonia,) <i>Tj ETQq0 0 0rgBT /Overlock 10 T</i>	0.0	0
59	Lake Sediments Tell the Story of Climate Change. <i>Chimia</i> , 2014, 68, 333-333.	0.3	2
60	Translating Scientific Articles to the Non-scientific Public Using the Wikipedia Encyclopedia. <i>Frontiers in Education</i> , 2019, 4, .	1.2	1
61	Tracking the legacy of early industrial activity in sediments of Lake Zurich, Switzerland: using a novel multi-proxy approach to find the source of extensive metal contamination. <i>Environmental Science and Pollution Research</i> , 0, , .	2.7	1