Adrian Gilli

List of Publications by Year
in descending order

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	Ancient and Modern Geochemical Signatures in the 13,500-Year Sedimentary Record of Lake Cadagno. Frontiers in Earth Science, 2022, 9, .	0.8	7
2	Impact of warmer climate periods on flood hazard in the European Alps. Nature Geoscience, 2022, 15, 118-123.	5.4	28
3	Variations of sedimentary Fe and Mn fractions under changing lake mixing regimes, oxygenation and land surface processes during Late-glacial and Holocene times. Science of the Total Environment, 2021, 755, 143418.	3.9	24
4	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. Global and Planetary Change, 2021, 207, 103643.	1.6	7
5	Detecting the Delayed Signatures of Changing Sediment Supply in Salt-Marsh Landscapes: The Case of the Venice Lagoon (Italy). Frontiers in Marine Science, 2021, 8, .	1.2	10
6	Intercomparison of XRF Core Scanning Results From Seven Labs and Approaches to Practical Calibration. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009248.	1.0	16
7	Early human impact in a 15,000-year high-resolution hyperspectral imaging record of paleoproduction and anoxia from a varved lake in Switzerland. Quaternary Science Reviews, 2020, 239, 106335.	1.4	17
8	Radiocarbon Wiggle Matching on Laminated Sediments Delivers High-Precision Chronologies. Radiocarbon, 2019, 61, 265-285.	0.8	18
9	Plants or bacteria? 130 years of mixed imprints in Lake Baldegg sediments (Switzerland), as revealed by compound-specific isotope analysis (CSIA) and biomarker analysis. Biogeosciences, 2019, 16, 2131-2146.	1.3	14
10	North Atlantic influences on climate conditions in East-Central Europe in the late Holocene reflected by flowstone compositions. Quaternary International, 2019, 512, 99-112.	0.7	13
11	Translating Scientific Articles to the Non-scientific Public Using the Wikipedia Encyclopedia. Frontiers in Education, 2019, 4, .	1.2	1
12	Early stage weathering systematics of Pb and Nd isotopes derived from a high-Alpine Holocene lake sediment record. Chemical Geology, 2019, 507, 42-53.	1.4	23
13	Multistage Rockâ€Slope Failures Revealed in Lake Sediments in a Seismically Active Alpine Region (Lake) Tj ETQq1 1 0.784314 rgBT /Ov	1.0	18
14	Redox-dependent niche differentiation provides evidence for multiple bacterial sources of glycerol tetraether lipids in lakes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10926-10931.	3.3	94
15	Climatic and anthropogenic forcing of prehistorical vegetation succession and fire dynamics in the Lago di Como area (N-Italy, Insubria). Quaternary Science Reviews, 2017, 161, 45-67.	1.4	4
16	Vegetational and agricultural dynamics at BurgÃschisee (Swiss Plateau) recorded for 18,700Âyears by multi-proxy evidence from partly varved sediments. Vegetation History and Archaeobotany, 2017, 26, 571-586.	1.0	37
17	Lead (Pb) Isotope Baselines for Studies of Ancient Human Migration and Trade in the Maya Region. PLoS ONE, 2016, 11, e0164871.	1.1	31
18	Long-stored soil carbon released by prehistoric land use: Evidence from compound-specific radiocarbon analysis on Soppensee lake sediments. Quaternary Science Reviews, 2016, 144, 123-131.	1.4	43

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19	Humanâ€“climate interactions in the central Mediterranean region during the last millennia: The laminated record of Lake Butrint (Albania). Quaternary Science Reviews, 2016, 136, 134-152.	1.4	54
20	Late-Holocene climate variability and ecosystem responses in Alaska inferred from high-resolution multiproxy sediment analyses at Grizzly Lake. Quaternary Science Reviews, 2015, 126, 41-56.	1.4	9
21	Alpine lacustrine varved record reveals summer temperature as main control of glacier fluctuations over the past 2250â€‰years. Holocene, 2015, 25, 280-287.	0.9	17
22	Investigating hypoxia in aquatic environments: diverse approaches to addressing a complex phenomenon. Biogeosciences, 2014, 11, 1215-1259.	1.3	175
23	Holocene climate, fire and vegetation dynamics at the treeline in the Northwestern Swiss Alps. Vegetation History and Archaeobotany, 2014, 23, 479-496.	1.0	56
24	Lake Sediments Tell the Story of Climate Change. Chimia, 2014, 68, 333-333.	0.3	2
25	Holocene flood frequency across the Central Alps â€“ solar forcing and evidence for variations in North Atlantic atmospheric circulation. Quaternary Science Reviews, 2013, 80, 112-128.	1.4	191
26	Tracing bottom water oxygenation with sedimentary Mn/Fe ratios in Lake Zurich, Switzerland. Chemical Geology, 2013, 352, 125-133.	1.4	207
27	Combining sedimentological, trace metal (Mn, Mo) and molecular evidence for reconstructing past water-column redox conditions: The example of meromictic Lake Cadagno (Swiss Alps). Geochimica Et Cosmochimica Acta, 2013, 120, 220-238.	1.6	70
28	High-resolution late-glacial chronology for the Gerzensee lake record (Switzerland): Î´18O correlation between a Gerzensee-stack and NGRIP. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 391, 13-24.	1.0	81
29	Responses to rapid warming at Termination 1a at Gerzensee (Central Europe): Primary succession, albedo, soils, lake development, and ecological interactions. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 391, 111-131.	1.0	28
30	1200 years of decadal-scale variability of Mediterranean vegetation and climate at Pantelleria Island, Italy. Holocene, 2013, 23, 1477-1486.	0.9	22
31	Lake Sediments as Archives of Recurrence Rates and Intensities of Past Flood Events. Advances in Global Change Research, 2013, , 225-242.	1.6	52
32	Frequent floods in the European Alps coincide with cooler periods of the past 2500 years. Scientific Reports, 2013, 3, 2770.	1.6	76
33	A 2000 year long seasonal record of floods in the southern European Alps. Geophysical Research Letters, 2013, 40, 4025-4029.	1.5	65
34	Orbital changes, variation in solar activity and increased anthropogenic activities: controls on the Holocene flood frequency in the Lake Ledro area, Northern Italy. Climate of the Past, 2013, 9, 1193-1209.	1.3	62
35	Mass-movement and flood-induced deposits in Lake Ledro, southern Alps, Italy: implications for Holocene palaeohydrology and natural hazards. Climate of the Past, 2013, 9, 825-840.	1.3	72
36	Northâ€“south palaeohydrological contrasts in the central Mediterranean during the Holocene: tentative synthesis and working hypotheses. Climate of the Past, 2013, 9, 2043-2071.	1.3	195

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37	Climate and vegetation changes during the Lateglacial and earlyâ€“middle Holocene at Lake Ledro (southern Alps, Italy). Climate of the Past, 2013, 9, 913-933.	1.3	40
38	A sedimentary record of Holocene surface runoff events and earthquake activity from Lake Iseo (Southern Alps, Italy). Holocene, 2012, 22, 749-760.	0.9	60
39	A â¼43-ka record of paleoenvironmental change in the Central American lowlands inferred from stable isotopes of lacustrine ostracods. Quaternary Science Reviews, 2012, 37, 92-104.	1.4	86
40	Impact of recent lake eutrophication on microbial community changes as revealed by high resolution lipid biomarkers in Rotsee (Switzerland). Organic Geochemistry, 2012, 49, 86-95.	0.9	66
41	Development of a realâ€time PCR method for the detection of fossil 16S rDNA fragments of phototrophic sulfur bacteria in the sediments of Lake Cadagno. Geobiology, 2012, 10, 196-204.	1.1	23
42	Late Glacial temperature and precipitation changes in the lowland Neotropics by tandem measurement of Î´18O in biogenic carbonate and gypsum hydration water. Geochimica Et Cosmochimica Acta, 2012, 77, 352-368.	1.6	68
43	Bacterial GDGTs in Holocene sediments and catchment soils of a high Alpine lake: application of the MBT/CBT-paleothermometer. Climate of the Past, 2012, 8, 889-906.	1.3	68
44	Late quaternary environmental changes in Patagonia as inferred from lacustrine fossil and extant ostracods. Biological Journal of the Linnean Society, 2011, 103, 397-408.	0.7	34
45	Lakeâ€level changes in central Patagonia (Argentina): crossing environmental thresholds for Lateglacial and Holocene human occupation. Journal of Quaternary Science, 2010, 25, 1092-1099.	1.1	30
46	Late Quaternary palaeoenvironment of northern Guatemala: evidence from deep drill cores and seismic stratigraphy of Lake PetÃ©n ItzÃ¡. Sedimentology, 2010, 57, 1220.	1.6	35
47	Natural and human-induced environmental change in southern Albania for the last 300years â€” Constraints from the Lake Butrint sedimentary record. Global and Planetary Change, 2010, 71, 183-192.	1.6	46
48	Geological and archaeological implications of strontium isotope analysis of exposed bedrock in the Chicxulub crater basin, northwestern Yucatan, Mexico. Geology, 2009, 37, 723-726.	2.0	19
49	Re-evaluation of Climate Change in Lowland Central America During the Last Glacial Maximum Using New Sediment Cores from Lake PetÃ©n ItzÃ¡, Guatemala. Developments in Paleoenvironmental Research, 2009, , 113-128.	7.5	42
50	Late Pleistocene Environmental Change in Eastern Patagonia and Tierra del Fuego â€“ A Limnogeological Approach. Developments in Quaternary Sciences, 2008, , 241-253.	0.1	24
51	The Lago Cardiel Basin, Argentina (49Â°S): Origin and evolution revealed by high-resolution multichannel seismic reflection studies. Journal of South American Earth Sciences, 2008, 25, 74-85.	0.6	17
52	An 85-ka record of climate change in lowland Central America. Quaternary Science Reviews, 2008, 27, 1152-1165.	1.4	211
53	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,) Tj ETQq1 1 0.784314 rgBT /Ov		
54	Late Quaternary climate-induced lake level variations in Lake PetÃ©n ItzÃ¡, Guatemala, inferred from seismic stratigraphic analysis. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 230, 52-69.	1.0	73

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55	Mid-Holocene strengthening of the Southern Westerlies in South America â€" Sedimentological evidences from Lago Cardiel, Argentina (49Â°S). Global and Planetary Change, 2005, 49, 75-93.	1.6	103
56	Seismic stratigraphy, buried beach ridges and contourite drifts: the Late Quaternary history of the closed Lago Cardiel basin, Argentina (49Â°S). Sedimentology, 2004, 52, 1-23.	1.6	59
57	Holocene palaeoclimates of southern Patagonia: limnological and environmental history of Lago Cardiel, Argentina. Holocene, 2003, 13, 581-591.	0.9	145
58	A 600-year sedimentary record of flood events from two sub-alpine lakes (Schwendiseen,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (		4
59	Tracking abrupt climate change in the Southern Hemisphere: a seismic stratigraphic study of Lago Cardiel, Argentina (49oS). Terra Nova, 2001, 13, 443-448.	0.9	75
60	Turbidite frequency and composition in the distal part of the Bahamas Transect. , 0, , .		13
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. Environmental Science and Pollution Research, 0, , .	2.7	1