

# Carlo Baroni

## List of Publications by Year in descending order

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93  
papers

3,630  
citations

136950

32  
h-index

144013

57  
g-index

104  
all docs

104  
docs citations

104  
times ranked

4486  
citing authors

#	ARTICLE	IF	CITATIONS
1	The occupation history of the longest-dwelling AdÃ©lie penguin colony reflects Holocene climatic and environmental changes in the Ross Sea, Antarctica. <i>Quaternary Science Reviews</i> , 2022, 284, 107494.	3.0	2
2	Last Lateglacial glacier advance in the Gran Paradiso Group reveals relatively drier climatic conditions established in the Western Alps since at least the Younger Dryas. <i>Quaternary Science Reviews</i> , 2021, 255, 106815.	3.0	15
3	Numerical modelling of geothermal heat flux and ice velocity influencing the thermal conditions of the Priestley Glacier trough (northern Victoria Land, Antarctica). <i>Geomorphology</i> , 2021, 394, 107959.	2.6	2
4	Mid-Holocene thinning of David Glacier, Antarctica: chronology and controls. <i>Cryosphere</i> , 2021, 15, 5447-5471.	3.9	8
5	Holocene dust in East Antarctica: Provenance and variability in time and space. <i>Holocene</i> , 2020, 30, 546-558.	1.7	25
6	Insight Into Provenance and Variability of Atmospheric Dust in Antarctic Ice Cores During the Late Pleistocene From Magnetic Measurements. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	3
7	<i>Pinus cembra</i> L. tree-ring data as a proxy for summer mass-balance variability of the Careser Glacier (Italian Rhaetian Alps). <i>Journal of Glaciology</i> , 2020, 66, 714-726.	2.2	4
8	Glacier shrinkage and slope processes create habitat at high elevation and microrefugia across treeline for alpine plants during warm stages. <i>Catena</i> , 2020, 193, 104626.	5.0	30
9	A long-term chronology of <i>Pinus pinea</i> L. from Parco della Versiliana (Pietrasanta, Italy) derived from treefall induced by a windstorm on March 4th-5th, 2015. <i>Dendrochronologia</i> , 2020, 62, 125710.	2.2	2
10	Decoupled kinematics of two neighbouring permafrost creeping landforms in the Eastern Italian Alps. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2703-2719.	2.5	17
11	Geophysical signature of a World War I tunnel-like anomaly in the Forni Glacier (Punta Linke, Italian) $T_j ETQq1 1 0.784314 rgBT / Overloc$	2.2	4
12	Challenges in relative sea-level change assessment highlighted through a case study: The central coast of Atlantic Patagonia. <i>Global and Planetary Change</i> , 2019, 182, 103008.	3.5	1
13	Mummified and skeletal southern elephant seals ( <i>Mirounga leonina</i> ) from the Victoria Land Coast, Ross Sea, Antarctica. <i>Marine Mammal Science</i> , 2019, 35, 934-956.	1.8	8
14	A <i>Pinus cembra</i> L. tree-ring record for late spring to late summer temperature in the Rhaetian Alps, Italy. <i>Dendrochronologia</i> , 2019, 53, 22-31.	2.2	23
15	Tree-ring-based reconstruction of larch budmoth outbreaks in the Central Italian Alps since 1774 CE. <i>IForest</i> , 2019, 12, 289-296.	1.4	8
16	Mid-Holocene relative sea-level changes along Atlantic Patagonia: New data from Camarones, Chubut, Argentina. <i>Holocene</i> , 2018, 28, 56-64.	1.7	11
17	Chemical and Lead Isotope characterisation of First World War shrapnel balls and bullets used on the Alpine Austrianâ€”Italian Front. <i>Scientia Militaria - South African Journal of Military Studies</i> , 2018, 46, .	0.1	0
18	Regionalization of the Atmospheric Dust Cycle on the Periphery of the East Antarctic Ice Sheet Since the Last Glacial Maximum. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3540-3554.	2.5	14

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19	Last glacial maximum glaciers in the Northern Apennines reflect primarily the influence of southerly storm-tracks in the western Mediterranean. <i>Quaternary Science Reviews</i> , 2018, 197, 352-367.	3.0	25
20	Geochemical characteristics of the infilling of ground wedges at Puerto Deseado (Santa Cruz,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702</i>	0.5	1
21	Causes of dust size variability in central East Antarctica (Dome B): Atmospheric transport from expanded South American sources during Marine Isotope Stage 2. <i>Quaternary Science Reviews</i> , 2017, 168, 55-68.	3.0	46
22	GPR versus Geoarchaeological Findings in a Complex Archaeological Site (Badia Pozzeveri, Italy). <i>Archaeological Prospection</i> , 2017, 24, 141-156.	2.2	7
23	Double response of glaciers in the Upper Peio Valley (Rhaetian Alps, Italy) to the Younger Dryas climatic deterioration. <i>Boreas</i> , 2017, 46, 783-798.	2.4	18
24	Little Ice Age mapping as a tool for identifying hazard in the paraglacial environment: The case study of Trentino (Eastern Italian Alps). <i>Geomorphology</i> , 2017, 295, 551-562.	2.6	20
25	Holocene sea ice variability driven by wind and polynya efficiency in the Ross Sea. <i>Nature Communications</i> , 2017, 8, 1334.	12.8	67
26	Climate signals in a multispecies tree-ring network from central and southern Italy and reconstruction of the late summer temperatures since the early 1700s. <i>Climate of the Past</i> , 2017, 13, 1451-1471.	3.4	13
27	Lake Garda: An Outstanding Archive of Quaternary Geomorphological Evolution. <i>World Geomorphological Landscapes</i> , 2017, , 169-179.	0.3	2
28	The Adamello-Presanella and Brenta Massifs, Central Alps: Contrasting High-Mountain Landscapes and Landforms. <i>World Geomorphological Landscapes</i> , 2017, , 101-112.	0.3	3
29	Analysis of the mass balance time series of glaciers in the Italian Alps. <i>Cryosphere</i> , 2016, 10, 695-712.	3.9	23
30	A Sr-Nd-Hf isotope characterization of dust source areas in Victoria Land and the McMurdo Sound sector of Antarctica. <i>Quaternary Science Reviews</i> , 2016, 141, 26-37.	3.0	22
31	Multispecies dendroclimatic reconstructions of summer temperature in the European Alps enhanced by trees highly sensitive to temperature. <i>Climatic Change</i> , 2016, 137, 275-291.	3.6	13
32	Historically unprecedented global glacier decline in the early 21st century. <i>Journal of Glaciology</i> , 2015, 61, 745-762.	2.2	561
33	From cold to warm-stage refugia for boreo-alpine plants in southern European and Mediterranean mountains: the last chance to survive or an opportunity for speciation?. <i>Biodiversity</i> , 2015, 16, 247-261.	1.1	44
34	Potential warm-stage microrefugia for alpine plants: Feedback between geomorphological and biological processes. <i>Ecological Complexity</i> , 2015, 21, 87-99.	2.9	66
35	Ancient population genomics and the study of evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130381.	4.0	18
36	High-resolution Seismic Imaging of the Pian di Neve Glacier on the Adamello Massif (Italy)., 2015, , .		1

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37	Geophysical Imaging of the WWI Archeological Site of Linke Peak (Forni Glacier, Italian Central Alps). , 2015, , .		2
38	Thermomechanical stressâ€”strain numerical modelling of deglaciation since the Last Glacial Maximum in the Adamello Group (Rhaetian Alps, Italy). <i>Geomorphology</i> , 2014, 226, 278-299.	2.6	26
39	Rapid increase in southern elephant seal genetic diversity after a founder event. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133078.	2.6	10
40	AdÃ©lie penguin dietary remains reveal Holocene environmental changes in the western Ross Sea (Antarctica). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 395, 21-28.	2.3	17
41	Neutron activation analysis on sediments from Victoria Land, Antarctica: multi-elemental characterization of potential atmospheric dust sources. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1615-1623.	1.5	5
42	Reconstructing fluctuations of la mare glacier (eastern italian alps) in the late holocene: new evidence for a little ice age maximum around 1600 ad. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2014, 96, 287-306.	1.5	31
43	8.26 Climate Change Impacts on Cold Climates. , 2013, , 430-459.		0
44	Modern and Holocene aeolian dust variability from Talos Dome (Northern Victoria Land) to the interior of the Antarctic ice sheet. <i>Quaternary Science Reviews</i> , 2013, 64, 76-89.	3.0	54
45	Geomorphological disturbance affects ecological driving forces and plant turnover along an altitudinal stress gradient on alpine slopes. <i>Plant Ecology</i> , 2013, 214, 571-586.	1.6	26
46	Decay of a long-term monitored glacier: Careser Glacier (Ortles-Cevedale, European Alps). <i>Cryosphere</i> , 2013, 7, 1819-1838.	3.9	50
47	Tree-ringâ€”based summer mean temperature variations in the Adamelloâ€”Presanella Group (Italian Tj ETQq1 1 0,784314 rgBT /Ovele	3.4	17
48	Vegetation Analysis on Composite Debris Cones. <i>Advances in Global Change Research</i> , 2013, , 187-201.	1.6	4
49	Insights into the Holocene environmental setting of Terra Nova Bay region (Ross Sea, Antarctica) from oxygen isotope geochemistry of AdÃ©lie penguin eggshells. <i>Holocene</i> , 2012, 22, 63-69.	1.7	6
50	Multiple cosmogenic nuclides document the stability of the East Antarctic Ice Sheet in northern Victoria Land since the Late Miocene (5â€”7ÃMa). <i>Quaternary Science Reviews</i> , 2012, 57, 85-94.	3.0	18
51	Interpreting last glacial to Holocene dust changes at Talos Dome (East Antarctica): implications for atmospheric variations from regional to hemispheric scales. <i>Climate of the Past</i> , 2012, 8, 741-750.	3.4	50
52	AdÃ©lie penguins and temperature changes in Antarctica: a longâ€”term view. <i>Integrative Zoology</i> , 2012, 7, 113-120.	2.6	15
53	Weakening climatic signal since mid-20th century in European larch tree-ring chronologies at different altitudes from the Adamello-Presanella Massif (Italian Alps). <i>Quaternary Research</i> , 2012, 77, 344-354.	1.7	35
54	Il segnale climatico e le sue variazioni negli anelli di accrescimento degli alberi da siti estremi al contorno della regione mediterranea. <i>Rendiconti Online Societa Geologica Italiana</i> , 2012, , 24-28.	0.3	0

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55	Plant Species Patterns and Restoration Perspectives in the Highly Disturbed Environment of the Carrara Marble Quarries (Apuan Alps, Italy). <i>Restoration Ecology</i> , 2011, 19, 32-42.	2.9	21
56	Stable isotopes reveal Holocene changes in the diet of AdÃ©lie penguins in Northern Victoria Land (Ross Sea, Antarctica). <i>Oecologia</i> , 2010, 164, 911-919.	2.0	29
57	Aeolian dust in the Talos Dome ice core (East Antarctica, Pacific/Ross Sea sector): Victoria Land versus remote sources over the last two climate cycles. <i>Journal of Quaternary Science</i> , 2010, 25, 1327-1337.	2.1	83
58	Constant Holocene Southern-Ocean <sup>14</sup> C reservoir ages and ice-shelf flow rates. <i>Earth and Planetary Science Letters</i> , 2010, 296, 115-123.	4.4	87
59	Floristic patterns, ecological gradients and biodiversity in the composite channels (Central Alps). <i>Trends in Ecology and Evolution</i> , 2010, 25, 114-121.	1.2	21
60	Relative sea-level changes, Schuchert Dal, East Greenland, with implications for ice extent in late-glacial and Holocene times. <i>Quaternary Science Reviews</i> , 2010, 29, 3370-3378.	3.0	21
61	Rapid Response of a Marine Mammal Species to Holocene Climate and Habitat Change. <i>PLoS Genetics</i> , 2009, 5, e1000554.	3.5	92
62	High mitogenomic evolutionary rates and time dependency. <i>Trends in Genetics</i> , 2009, 25, 482-486.	6.7	90
63	Multiple cosmogenic nuclides document complex Pleistocene exposure history of glacial drifts in Terra Nova Bay (northern Victoria Land, Antarctica). <i>Quaternary Research</i> , 2009, 71, 83-92.	1.7	42
64	Holocene AdÃ©lie penguin diet in Victoria Land, Antarctica. <i>Polar Biology</i> , 2009, 32, 1077-1086.	1.2	18
65	Surface exposure ages imply multiple low-amplitude Pleistocene variations in East Antarctic Ice Sheet, Ricker Hills, Victoria Land. <i>Antarctic Science</i> , 2009, 21, 59-69.	0.9	28
66	The most extensive Holocene advance in the Stauning Alper, East Greenland, occurred in the Little Ice Age. <i>Polar Research</i> , 2008, 27, 128-134.	1.6	21
67	Relative sea-level change, Kjove Land, Scoresby Sund, East Greenland: Implications for seasonality in Younger Dryas time. <i>Quaternary Science Reviews</i> , 2008, 27, 2283-2291.	3.0	31
68	The Ricker Hills Tillite provides evidence of Oligocene warm-based glaciation in Victoria Land, Antarctica. <i>Global and Planetary Change</i> , 2008, 60, 457-470.	3.5	22
69	Mutation and Evolutionary Rates in AdÃ©lie Penguins from the Antarctic. <i>PLoS Genetics</i> , 2008, 4, e1000209.	3.5	79
70	Dating late Cenozoic erosional surfaces in Victoria Land, Antarctica, with cosmogenic neon in pyroxenes. <i>Antarctic Science</i> , 2008, 20, 89-98.	0.9	28
71	Pre-LGM open-water conditions south of the Drygalski Ice Tongue, Ross Sea, Antarctica. <i>Antarctic Science</i> , 2007, 19, 373-377.	0.9	3
72	Landform-vegetation units for investigating the dynamics and geomorphologic evolution of alpine composite debris cones (Valle dell'Avio, Adamello Group, Italy). <i>Geomorphology</i> , 2007, 84, 59-79.	2.6	38

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73	High-resolution analysis of silica and sulphate-rich rock varnishes from Victoria Land (Antarctica). <i>European Journal of Mineralogy</i> , 2007, 19, 381-389.	1.3	22
74	Micromorphological evidence of warm-based glacier deposition from the Ricker Hills Tillite (Victoria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	33
75	Holocene elephant seal distribution implies warmer-than-present climate in the Ross Sea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10213-10217.	7.1	54
76	Mollusca stable isotope record of a core from Lake Frassino, northern Italy: hydrological and climatic changes during the last 14 ka. <i>Holocene</i> , 2006, 16, 827-837.	1.7	63
77	From The Cover: Microevolution and mega-icebergs in the Antarctic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16717-16722.	7.1	52
78	Fluvial origin of the valley system in northern Victoria Land (Antarctica) from quantitative geomorphic analysis. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 212.	3.3	46
79	Distribution and behaviour of rock glaciers in the Adamello-Presanella Massif (Italian Alps). <i>Permafrost and Periglacial Processes</i> , 2004, 15, 243-259.	3.4	57
80	A new Holocene relative sea-level curve for Terra Nova Bay, Victoria Land, Antarctica. <i>Journal of Quaternary Science</i> , 2004, 19, 377-396.	2.1	77
81	Holocene relative sea-level history of the Southern Victoria Land Coast, Antarctica. <i>Global and Planetary Change</i> , 2004, 42, 241-263.	3.5	78
82	Antarctic geomorphological and glaciological 1 : 250 000 map series: Mount Murchison quadrangle, northern Victoria Land. <i>Explanatory notes. Annals of Glaciology</i> , 2004, 39, 256-264.	1.4	13
83	Ancient DNA Enables Timing of the Pleistocene Origin and Holocene Expansion of Two Adelie Penguin Lineages in Antarctica. <i>Molecular Biology and Evolution</i> , 2003, 21, 240-248.	8.9	82
84	Limited Pliocene/Pleistocene glaciation in Deep Freeze Range, northern Victoria Land, Antarctica, derived from in situ cosmogenic nuclides. <i>Antarctic Science</i> , 2003, 15, 493-502.	0.9	38
85	Rates of Evolution in Ancient DNA from Adelie Penguins. <i>Science</i> , 2002, 295, 2270-2273.	12.6	274
86	Human-induced hazardous debris flows in Carrara marble basins (Tuscany, Italy). , 2000, 25, 93-103.		16
87	Cenozoic climatic change in Antarctica recorded by volcanic activity and landscape evolution. <i>Geology</i> , 1999, 27, 617.	4.4	58
88	Penguin, A Macintosh Application for Entry and Presentation of Radiocarbon-Dated Samples. <i>Radiocarbon</i> , 1997, 39, 61-65.	1.8	0
89	The Alpine "œlceman" and Holocene Climatic Change. <i>Quaternary Research</i> , 1996, 46, 78-83.	1.7	111
90	Abandoned penguin rookeries as Holocene paleoclimatic indicators in Antarctica. <i>Geology</i> , 1994, 22, 23.	4.4	151

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91	Holocene glacier variations in the Terra Nova Bay area (Victoria Land, Antarctica). <i>Antarctic Science</i> , 1994, 6, 497-505.	0.9	44
92	Ice composition evidence of marine ice transfer along the bottom of a small Antarctic Ice Shelf. <i>Geophysical Research Letters</i> , 1991, 18, 849-852.	4.0	35
93	Holocene raised beaches at Terra Nova Bay, Victoria Land, Antarctica. <i>Quaternary Research</i> , 1991, 36, 157-177.	1.7	66