Andrea Burke

List of Publications by Year
in descending order

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40 papers	2,857 citations	257357 24 h-index	289141 40 g-index
51 all docs	51 docs citations	51 times ranked	3624 citing authors

#	Article	IF	Citations
1	Marine20â€"The Marine Radiocarbon Age Calibration Curve (0â€"55,000 cal BP). Radiocarbon, 2020, 62, 779-820.	0.8	827
2	Antarctic sea ice control on ocean circulation in present and glacial climates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8753-8758.	3.3	295
3	The Southern Oceanâ€™s Role in Carbon Exchange During the Last Deglaciation. Science, 2012, 335, 557-561.	6.0	240
4	Sulfur isotopes in rivers: Insights into global weathering budgets, pyrite oxidation, and the modern sulfur cycle. Earth and Planetary Science Letters, 2018, 496, 168-177.	1.8	136
5	CO2 storage and release in the deep Southern Ocean on millennial to centennial timescales. Nature, 2018, 562, 569-573.	13.7	127
6	Synchronous centennial abrupt events in the ocean and atmosphere during the last deglaciation. Science, 2015, 349, 1537-1541.	6.0	97
7	Large Carbonate Associated Sulfate isotopic variability between brachiopods, micrite, and other sedimentary components in Late Ordovician strata. Earth and Planetary Science Letters, 2015, 432, 187-198.	1.8	88
8	Transient climate simulations of the deglaciation 21â€"9Âthousand years before present (versionÂ1) â€" PMIP4 Core experiment design and boundary conditions. Geoscientific Model Development, 2016, 9, 2563-2587.	1.3	84
9	Deglacial upwelling, productivity and CO2 outgassing in the North Pacific Ocean. Nature Geoscience, 2018, 11, 340-344.	5.4	73
10	The glacial midâ€depth radiocarbon bulge and its implications for the overturning circulation. Paleoceanography, 2015, 30, 1021-1039.	3.0	61
11	Synchronous volcanic eruptions and abrupt climate change â^¼17.7 ka plausibly linked by stratospheric ozone depletion. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10035-10040.	3.3	58
12	Extreme climate after massive eruption of Alaskaâ€™s Okmok volcano in 43 BCE and effects on the late Roman Republic and Ptolemaic Kingdom. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15443-15449.	3.3	57
13	Seasonal cycles in biogenic production and export in Northern Bay of Bengal sediment traps. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 558-580.	0.6	53
14	Seasonal evolution of water contributions to discharge from a Greenland outlet glacier: insight from a new isotope-mixing model. Journal of Glaciology, 2011, 57, 929-941.	1.1	50
15	Stratospheric eruptions from tropical and extra-tropical volcanoes constrained using high-resolution sulfur isotopes in ice cores. Earth and Planetary Science Letters, 2019, 521, 113-119.	1.8	43
16	Movement of deepâ€sea coral populations on climatic timescales. Paleoceanography, 2013, 28, 227-236.	3.0	42
17	Sulfate sulfur isotopes and major ion chemistry reveal that pyrite oxidation counteracts CO2 drawdown from silicate weathering in the Langtang-Trisuli-Narayani River system, Nepal Himalaya. Geochimica Et Cosmochimica Acta, 2021, 294, 43-69.	1.6	41
18	Application of an inverse method to interpret ²³¹Pa/²³⁰Th observations from marine sediments. Paleoceanography, 2011, 26, .	3.0	40

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19	Collapse of the North American ice saddle 14,500â€‰years ago caused widespread cooling and reduced ocean overturning circulation. Geophysical Research Letters, 2017, 44, 383-392.	1.5	39
20	Genesis of active sandâ€filled polygons in lower and central Beacon Valley, Antarctica. Permafrost and Periglacial Processes, 2009, 20, 295-308.	1.5	38
21	Reconnaissance dating: A new radiocarbon method applied to assessing the temporal distribution of Southern Ocean deep-sea corals. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1510-1520.	0.6	36
22	Temporal and spatial distributions of cold-water corals in the Drake Passage: Insights from the last 35,000 years. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 99, 237-248.	0.6	36
23	Overturning circulation, nutrient limitation, and warming in the Glacial North Pacific. Science Advances, 2020, 6, .	4.7	35
24	Acceleration of Northern Ice Sheet Melt Induces AMOC Slowdown and Northern Cooling in Simulations of the Early Last Deglaciation. Paleoceanography and Paleoclimatology, 2018, 33, 807-824.	1.3	33
25	Windâ€Driven Evolution of the North Pacific Subpolar Gyre Over the Last Deglaciation. Geophysical Research Letters, 2020, 47, e2019GL086328.	1.5	28
26	Improvements to 232â€thorium, 230â€thorium, and 231â€protactinium analysis in seawater arising from GEOTRACES intercalibration. Limnology and Oceanography: Methods, 2012, 10, 464-474.	1.0	23
27	Rapid shifts in circulation and biogeochemistry of the Southern Ocean during deglacial carbon cycle events. Science Advances, 2020, 6, .	4.7	20
28	Neodymium isotopes and concentrations in aragonitic scleractinian cold-water coral skeletons - Modern calibration and evaluation of palaeo-applications. Chemical Geology, 2017, 453, 146-168.	1.4	19
29	Distribution and ecology of planktic foraminifera in the North Pacific: Implications for paleo-reconstructions. Quaternary Science Reviews, 2018, 191, 256-274.	1.4	18
30	Refining trace metal temperature proxies in cold-water scleractinian and stylasterid corals. Earth and Planetary Science Letters, 2020, 545, 116412.	1.8	18
31	Persistently well-ventilated intermediate-depth ocean through the last deglaciation. Nature Geoscience, 2020, 13, 733-738.	5.4	15
32	New insights into the â€‰â^¼â€‰74â€‰ka Toba eruption from sulfur isotopes of polar ice cores. Climate of the Past, 2021, 17, 2119-2137.	1.3	14
33	Sea-ice control on deglacial lower cell circulation changes recorded by Drake Passage deep-sea corals. Earth and Planetary Science Letters, 2020, 544, 116405.	1.8	12
34	Rapid radiocarbon (14 C) analysis of coral and carbonate samples using a continuousâ€flow accelerator mass spectrometry (CFAMS) system. Paleoceanography, 2011, 26, .	3.0	10
35	Carbonate as sputter target material for rapid 14C AMS. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 328-334.	0.6	9
36	Climatic Effect of Antarctic Meltwater Overwhelmed by Concurrent Northern Hemispheric Melt. Geophysical Research Letters, 2018, 45, 5681-5689.	1.5	9

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37	Improving North Atlantic Marine Core Chronologies Using ²³⁰Th Normalization. Paleoceanography and Paleoclimatology, 2019, 34, 1057-1073.	1.3	9
38	Productivity and Dissolved Oxygen Controls on the Southern Ocean Deepâ€Sea Benthos During the Antarctic Cold Reversal. Paleoceanography and Paleoclimatology, 2021, 36, .	1.3	8
39	The Flux and Provenance of Dust Delivered to the SW Pacific During the Last Glacial Maximum. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA003869.	1.3	5
40	Depth-shifting cores incompletely recovered from the upper oceanic crust, IODP Hole 1256D. Geochemistry, Geophysics, Geosystems, 2008, 9, n/a-n/a.	1.0	3