

Andrea Burke

List of Publications by Year in descending order

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Version: 2024-02-01

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	Sulfate sulfur isotopes and major ion chemistry reveal that pyrite oxidation counteracts CO ₂ drawdown from silicate weathering in the Langtang-Trisuli-Narayani River system, Nepal Himalaya. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 294, 43-69.	1.6	41
2	Productivity and Dissolved Oxygen Controls on the Southern Ocean Deep-Sea Benthos During the Antarctic Cold Reversal. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, .	1.3	8
3	New insights into the ~14 ka Toba eruption from sulfur isotopes of polar ice cores. <i>Climate of the Past</i> , 2021, 17, 2119-2137.	1.3	14
4	Rapid shifts in circulation and biogeochemistry of the Southern Ocean during deglacial carbon cycle events. <i>Science Advances</i> , 2020, 6, .	4.7	20
5	Persistently well-ventilated intermediate-depth ocean through the last deglaciation. <i>Nature Geoscience</i> , 2020, 13, 733-738.	5.4	15
6	The Flux and Provenance of Dust Delivered to the SW Pacific During the Last Glacial Maximum. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003869.	1.3	5
7	Marine ²⁰ The Marine Radiocarbon Age Calibration Curve (0–55,000 cal BP). <i>Radiocarbon</i> , 2020, 62, 779-820.	0.8	827
8	Overturning circulation, nutrient limitation, and warming in the Glacial North Pacific. <i>Science Advances</i> , 2020, 6, .	4.7	35
9	Sea-ice control on deglacial lower cell circulation changes recorded by Drake Passage deep-sea corals. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116405.	1.8	12
10	Extreme climate after massive eruption of Alaska's Okmok volcano in 43 BCE and effects on the late Roman Republic and Ptolemaic Kingdom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15443-15449.	3.3	57
11	Refining trace metal temperature proxies in cold-water scleractinian and stylasterid corals. <i>Earth and Planetary Science Letters</i> , 2020, 545, 116412.	1.8	18
12	Wind-Driven Evolution of the North Pacific Subpolar Gyre Over the Last Deglaciation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086328.	1.5	28
13	Stratospheric eruptions from tropical and extra-tropical volcanoes constrained using high-resolution sulfur isotopes in ice cores. <i>Earth and Planetary Science Letters</i> , 2019, 521, 113-119.	1.8	43
14	Improving North Atlantic Marine Core Chronologies Using ²³⁰ Th Normalization. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1057-1073.	1.3	9
15	Deglacial upwelling, productivity and CO ₂ outgassing in the North Pacific Ocean. <i>Nature Geoscience</i> , 2018, 11, 340-344.	5.4	73
16	Climatic Effect of Antarctic Meltwater Overwhelmed by Concurrent Northern Hemispheric Melt. <i>Geophysical Research Letters</i> , 2018, 45, 5681-5689.	1.5	9
17	CO ₂ storage and release in the deep Southern Ocean on millennial to centennial timescales. <i>Nature</i> , 2018, 562, 569-573.	13.7	127
18	Distribution and ecology of planktic foraminifera in the North Pacific: Implications for paleo-reconstructions. <i>Quaternary Science Reviews</i> , 2018, 191, 256-274.	1.4	18

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19	Acceleration of Northern Ice Sheet Melt Induces AMOC Slowdown and Northern Cooling in Simulations of the Early Last Deglaciation. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 807-824.	1.3	33
20	Sulfur isotopes in rivers: Insights into global weathering budgets, pyrite oxidation, and the modern sulfur cycle. <i>Earth and Planetary Science Letters</i> , 2018, 496, 168-177.	1.8	136
21	Neodymium isotopes and concentrations in aragonitic scleractinian cold-water coral skeletons - Modern calibration and evaluation of palaeo-applications. <i>Chemical Geology</i> , 2017, 453, 146-168.	1.4	19
22	Collapse of the North American ice saddle 14,500 years ago caused widespread cooling and reduced ocean overturning circulation. <i>Geophysical Research Letters</i> , 2017, 44, 383-392.	1.5	39
23	Synchronous volcanic eruptions and abrupt climate change ~ 17.7 ka plausibly linked by stratospheric ozone depletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10035-10040.	3.3	58
24	Transient climate simulations of the deglaciation 21 thousand years before present (version 1) PMP4 Core experiment design and boundary conditions. <i>Geoscientific Model Development</i> , 2016, 9, 2563-2587.	1.3	84
25	The glacial mid-depth radiocarbon bulge and its implications for the overturning circulation. <i>Paleoceanography</i> , 2015, 30, 1021-1039.	3.0	61
26	Large Carbonate Associated Sulfate isotopic variability between brachiopods, micrite, and other sedimentary components in Late Ordovician strata. <i>Earth and Planetary Science Letters</i> , 2015, 432, 187-198.	1.8	88
27	Synchronous centennial abrupt events in the ocean and atmosphere during the last deglaciation. <i>Science</i> , 2015, 349, 1537-1541.	6.0	97
28	Antarctic sea ice control on ocean circulation in present and glacial climates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8753-8758.	3.3	295
29	Temporal and spatial distributions of cold-water corals in the Drake Passage: Insights from the last 35,000 years. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 99, 237-248.	0.6	36
30	Carbonate as sputter target material for rapid ^{14}C AMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 294, 328-334.	0.6	9
31	Movement of deep-sea coral populations on climatic timescales. <i>Paleoceanography</i> , 2013, 28, 227-236.	3.0	42
32	The Southern Ocean's Role in Carbon Exchange During the Last Deglaciation. <i>Science</i> , 2012, 335, 557-561.	6.0	240
33	Improvements to ^{232}Th , ^{230}Th , and ^{231}Pa analysis in seawater arising from GEOTRACES intercalibration. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 464-474.	1.0	23
34	Application of an inverse method to interpret $^{231}\text{Pa}/^{230}\text{Th}$ observations from marine sediments. <i>Paleoceanography</i> , 2011, 26, .	3.0	40
35	Rapid radiocarbon (^{14}C) analysis of coral and carbonate samples using a continuous-flow accelerator mass spectrometry (CFAMS) system. <i>Paleoceanography</i> , 2011, 26, .	3.0	10
36	Seasonal evolution of water contributions to discharge from a Greenland outlet glacier: insight from a new isotope-mixing model. <i>Journal of Glaciology</i> , 2011, 57, 929-941.	1.1	50

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37	Reconnaissance dating: A new radiocarbon method applied to assessing the temporal distribution of Southern Ocean deep-sea corals. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 1510-1520.	0.6	36
38	Genesis of active sand-filled polygons in lower and central Beacon Valley, Antarctica. <i>Permafrost and Periglacial Processes</i> , 2009, 20, 295-308.	1.5	38
39	Depth-shifting cores incompletely recovered from the upper oceanic crust, IODP Hole 1256D. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, n/a-n/a.	1.0	3
40	Seasonal cycles in biogenic production and export in Northern Bay of Bengal sediment traps. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 558-580.	0.6	53