

Delia Oppo

List of Publications by Year in descending order

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110
papers

10,262
citations

26630

56
h-index

33894

99
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113
all docs

113
docs citations

113
times ranked

6563
citing authors

#	ARTICLE	IF	CITATIONS
1	Millennial and centennial CO ₂ release from the Southern Ocean during the last deglaciation. <i>Nature Geoscience</i> , 2022, 15, 293-299.	12.9	5
2	Seawater Cadmium in the Florida Straits Over the Holocene and Implications for Upper AMOC Variability. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	2.9	2
3	Comparing paleo-oxygenation proxies (benthic foraminiferal surface porosity, I/Ca, authigenic) Tj ETQq1 1 0.784314 rgBT /Overlock 1 331, 69-85.	3.9	14
4	Remineralization dominating the $\delta^{13}C$ decrease in the mid-depth Atlantic during the last deglaciation. <i>Earth and Planetary Science Letters</i> , 2021, 571, 117106.	4.4	8
5	Deglacial trends in Indo-Pacific warm pool hydroclimate in an isotope-enabled Earth system model and implications for isotope-based paleoclimate reconstructions. <i>Quaternary Science Reviews</i> , 2021, 270, 107188.	3.0	10
6	Water mass gradients of the mid-depth Southwest Atlantic during the past 25,000 years. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115963.	4.4	10
7	Assessing the potential capability of reconstructing glacial Atlantic water masses and AMOC using multiple proxies in CESM. <i>Earth and Planetary Science Letters</i> , 2020, 541, 116294.	4.4	22
8	The Impact of Astronomical Forcing on Surface and Thermocline Variability Within the Western Pacific Warm Pool Over the Past 160 kyr. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003832.	2.9	9
9	Exceptional 20th Century Ocean Circulation in the Northeast Atlantic. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087577.	4.0	15
10	Less Remineralized Carbon in the Intermediate-Depth South Atlantic During Heinrich Stadial 1. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1218-1233.	2.9	6
11	Consistently dated Atlantic sediment cores over the last 40 thousand years. <i>Scientific Data</i> , 2019, 6, 165.	5.3	63
12	Mid-Holocene, Coral-Based Sea Surface Temperatures in the Western Tropical Atlantic. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1234-1245.	2.9	11
13	Atlantic Circulation and Ice Sheet Influences on Upper South Atlantic Temperatures During the Last Deglaciation. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 990-1005.	2.9	10
14	Glacial-interglacial Nd isotope variability of North Atlantic Deep Water modulated by North American ice sheet. <i>Nature Communications</i> , 2019, 10, 5773.	12.8	37
15	Anomalously weak Labrador Sea convection and Atlantic overturning during the past 150 years. <i>Nature</i> , 2018, 556, 227-230.	27.8	293
16	Similar mid-depth Atlantic water mass provenance during the Last Glacial Maximum and Heinrich Stadial 1. <i>Earth and Planetary Science Letters</i> , 2018, 490, 51-61.	4.4	16
17	Variations in Western Pacific Warm Pool surface and thermocline conditions over the past 110,000 years: Forcing mechanisms and implications for the glacial Walker circulation. <i>Quaternary Science Reviews</i> , 2018, 201, 429-445.	3.0	39
18	Data Constraints on Glacial Atlantic Water Mass Geometry and Properties. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1013-1034.	2.9	45

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19	Twentieth century warming of the tropical Atlantic captured by Sr/Ca paleothermometry. <i>Paleoceanography</i> , 2017, 32, 146-160.	3.0	15
20	Calibration of the carbon isotope composition ($\delta^{13}\text{C}$) of benthic foraminifera. <i>Paleoceanography</i> , 2017, 32, 512-530.	3.0	63
21	Late Quaternary paleomagnetic secular variation recorded in deep-sea sediments from the Demerara Rise, equatorial west Atlantic Ocean. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 272, 17-26.	1.9	9
22	Asynchronous warming and $\delta^{18}\text{O}$ evolution of deep Atlantic water masses during the last deglaciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11075-11080.	7.1	38
23	Coherent Response of Antarctic Intermediate Water and Atlantic Meridional Overturning Circulation During the Last Deglaciation: Reconciling Contrasting Neodymium Isotope Reconstructions From the Tropical Atlantic. <i>Paleoceanography</i> , 2017, 32, 1036-1053.	3.0	23
24	Stable Oxygen Isotopes and Mg/Ca in Planktic Foraminifera From Modern Surface Sediments of the Western Pacific Warm Pool: Implications for Thermocline Reconstructions. <i>Paleoceanography</i> , 2017, 32, 1174-1194.	3.0	49
25	Antarctic intermediate water circulation in the South Atlantic over the past 25,000 years. <i>Paleoceanography</i> , 2016, 31, 1302-1314.	3.0	29
26	Comparison of equatorial Pacific sea surface temperature variability and trends with Sr/Ca records from multiple corals. <i>Paleoceanography</i> , 2016, 31, 252-265.	3.0	48
27	What do benthic $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ data tell us about Atlantic circulation during Heinrich Stadial 1?. <i>Paleoceanography</i> , 2015, 30, 353-368.	3.0	48
28	Robust global ocean cooling trend for the pre-industrial Common Era. <i>Nature Geoscience</i> , 2015, 8, 671-677.	12.9	166
29	Oceanographic dynamics and the end of the last interglacial in the subpolar North Atlantic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11263-11268.	7.1	66
30	North Atlantic forcing of tropical Indian Ocean climate. <i>Nature</i> , 2014, 509, 76-80.	27.8	206
31	Decreased influence of Antarctic intermediate water in the tropical Atlantic during North Atlantic cold events. <i>Earth and Planetary Science Letters</i> , 2014, 389, 200-208.	4.4	65
32	Deglacial $\delta^{18}\text{O}$ and hydrologic variability in the tropical Pacific and Indian Oceans. <i>Earth and Planetary Science Letters</i> , 2014, 387, 240-251.	4.4	69
33	Indonesian vegetation response to changes in rainfall seasonality over the past 25,000 years. <i>Nature Geoscience</i> , 2014, 7, 513-517.	12.9	80
34	Pacific Ocean Heat Content During the Past 10,000 Years. <i>Science</i> , 2013, 342, 617-621.	12.6	65
35	Long-term variations in Iceland-Scotland overflow strength during the Holocene. <i>Climate of the Past</i> , 2013, 9, 2073-2084.	3.4	73
36	Strengthening of the Northeast Monsoon over the Flores Sea, Indonesia, at the time of Heinrich event 1. <i>Geology</i> , 2012, 40, 635-638.	4.4	46

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37	Reconstruction of the late-Holocene changes in the Sub-Arctic Front position at the Reykjanes Ridge, north Atlantic. <i>Holocene</i> , 2012, 22, 877-886.	1.7	40
38	High-precision and accurate determinations of neodymium isotopic compositions at nanogram levels in natural materials by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1560.	3.0	31
39	Rapid switches in subpolar North Atlantic hydrography and climate during the Last Interglacial (MIS) Tj ETQq1 1 0.784314 rgBT /Over	3.0	62
40	The influence of Indian Ocean atmospheric circulation on Warm Pool hydroclimate during the Holocene epoch. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	38
41	Corals record persistent multidecadal SST variability in the Atlantic Warm Pool since 1775 AD. <i>Paleoceanography</i> , 2012, 27, .	3.0	35
42	Temperature calibration of Mg/Ca ratios in the intermediate water benthic foraminifer <i>Hyalinea balthica</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	30
43	Regional climate variability in the western subtropical North Atlantic during the past two millennia. <i>Paleoceanography</i> , 2011, 26, .	3.0	16
44	Reconstructing the thermal structure of the upper ocean: Insights from planktic foraminifera shell chemistry and alkenones in modern sediments of the tropical eastern Indian Ocean. <i>Paleoceanography</i> , 2011, 26, .	3.0	70
45	Glacial to Holocene swings of the Australian-Indonesian monsoon. <i>Nature Geoscience</i> , 2011, 4, 540-544.	12.9	111
46	South China Sea hydrological changes and Pacific Walker Circulation variations over the last millennium. <i>Nature Communications</i> , 2011, 2, 293.	12.8	113
47	Holocene evolution of the Indonesian throughflow and the western Pacific warm pool. <i>Nature Geoscience</i> , 2010, 3, 578-583.	12.9	141
48	The Great Indo-Pacific Communicator. <i>Science</i> , 2010, 328, 1492-1494.	12.6	13
49	Postglacial changes in El Niño and La Niña behavior. <i>Geology</i> , 2010, 38, 43-46.	4.4	63
50	Coordinated hydrological regimes in the Indo-Pacific region during the past two millennia. <i>Paleoceanography</i> , 2010, 25, .	3.0	107
51	Dynamic millennial-scale climate changes in the northwestern Pacific over the past 40,000 years. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	27
52	South Atlantic intermediate water mass geometry for the last glacial maximum from foraminiferal Cd/Ca. <i>Paleoceanography</i> , 2010, 25, n/a-n/a.	3.0	27
53	Hydrographic changes in the eastern subpolar North Atlantic during the last deglaciation. <i>Quaternary Science Reviews</i> , 2010, 29, 3336-3345.	3.0	28
54	2,000-year-long temperature and hydrology reconstructions from the Indo-Pacific warm pool. <i>Nature</i> , 2009, 460, 1113-1116.	27.8	272

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55	Surface-temperature trends and variability in the low-latitude North Atlantic since 1552. <i>Nature Geoscience</i> , 2009, 2, 492-495.	12.9	119
56	Tropical Atlantic climate response to low-latitude and extratropical sea-surface temperature: A Little Ice Age perspective. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	10
57	Episodic reductions in bottom-water currents since the last ice age. <i>Nature Geoscience</i> , 2008, 1, 449-452.	12.9	102
58	Rapid early Holocene deglaciation of the Laurentide ice sheet. <i>Nature Geoscience</i> , 2008, 1, 620-624.	12.9	268
59	Deglacial variability in the surface return flow of the Atlantic meridional overturning circulation. <i>Paleoceanography</i> , 2008, 23, .	3.0	54
60	Interpreting sea surface temperature from strontium/calcium ratios in <i>Montastrea</i> corals: Link with growth rate and implications for proxy reconstructions. <i>Paleoceanography</i> , 2008, 23, .	3.0	56
61	Processes controlling the geochemical composition of the South China Sea sediments during the last climatic cycle. <i>Chemical Geology</i> , 2008, 257, 240-246.	3.3	39
62	Subtropical Atlantic salinity variability and Atlantic meridional circulation during the last deglaciation. <i>Geology</i> , 2008, 36, 991.	4.4	91
63	Amplitude and timing of temperature and salinity variability in the subpolar North Atlantic over the past 10 k.y.. <i>Geology</i> , 2007, 35, 315.	4.4	125
64	Paleoenvironmental change in the middle Okinawa Trough since the last deglaciation: Evidence from the sedimentation rate and planktonic foraminiferal record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 243, 378-393.	2.3	94
65	North Atlantic intermediate depth variability during the Younger Dryas: Evidence from benthic foraminiferal Mg/Ca and the GFDL R30 Coupled Climate Model. <i>Geophysical Monograph Series</i> , 2007, , 247-263.	0.1	5
66	Intermediate water links to Deep Western Boundary Current variability in the subtropical NW Atlantic during marine isotope stages 5 and 4. <i>Paleoceanography</i> , 2007, 22, .	3.0	22
67	Seawater isotope constraints on tropical hydrology during the Holocene. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	40
68	Meridional overturning circulation in the South Atlantic at the last glacial maximum. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	36
69	Temperature and carbonate ion effects on Mg/Ca and Sr/Ca ratios in benthic foraminifera: Aragonitic species <i>Hoeglundina elegans</i> . <i>Paleoceanography</i> , 2006, 21, n/a-n/a.	3.0	120
70	Sea surface temperature pattern reconstructions in the Arabian Sea. <i>Paleoceanography</i> , 2006, 21, n/a-n/a.	3.0	54
71	Suborbital climate variability during Marine Isotopic Stage 5 in the central Mediterranean basin: evidence from calcareous plankton record. <i>Quaternary Science Reviews</i> , 2006, 25, 2332-2342.	3.0	63
72	Evolution and demise of the Last Interglacial warmth in the subpolar North Atlantic. <i>Quaternary Science Reviews</i> , 2006, 25, 3268-3277.	3.0	185

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73	Amplitude and timing of sea-surface temperature change in the northern South China Sea: Dynamic link to the East Asian monsoon. <i>Geology</i> , 2005, 33, 785.	4.4	137
74	Holocene loess deposition in Iceland: Evidence for millennial-scale atmosphere-ocean coupling in the North Atlantic. <i>Geology</i> , 2005, 33, 509.	4.4	76
75	Terrigenous plant wax inputs to the Arabian Sea: Implications for the reconstruction of winds associated with the Indian Monsoon. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2547-2558.	3.9	32
76	Glacial water mass geometry and the distribution of $\delta^{13}C$ of $\delta^{13}CO_2$ in the western Atlantic Ocean. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	536
77	Last deglaciation in the Okinawa Trough: Subtropical northwest Pacific link to Northern Hemisphere and tropical climate. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	139
78	Stability of North Atlantic water masses in face of pronounced climate variability during the Pleistocene. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	179
79	Deepwater variability in the Holocene epoch. <i>Nature</i> , 2003, 422, 277-277.	27.8	276
80	East Asian monsoon forcing of suborbital variability in the Sulu Sea during Marine Isotope Stage 3: Link to Northern Hemisphere climate. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, 1-13.	2.5	61
81	The amplitude and phasing of climate change during the last deglaciation in the Sulu Sea, western equatorial Pacific. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	197
82	Evaluating mechanisms of nutrient depletion and $\delta^{13}C$ enrichment in the intermediate-depth Atlantic during the last ice age. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	28
83	Atlantic Ocean circulation during the Younger Dryas: Insights from a new Cd/Ca record from the western subtropical South Atlantic. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	44
84	Climate stability during the Pliocene warm period. <i>Paleoceanography</i> , 2003, 18, n/a-n/a.	3.0	43
85	Orbital and suborbital climate variability in the Sulu Sea, western tropical Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, 1-20.	2.5	77
86	Marine Isotope Stage 11 (MIS 11): Analog for Holocene and future climate?. <i>Geophysical Monograph Series</i> , 2003, , 69-85.	0.1	55
87	Paired benthic foraminiferal Cd/Ca and Zn/Ca evidence for a greatly increased presence of Southern Ocean Water in the glacial North Atlantic. <i>Paleoceanography</i> , 2002, 17, 10-1-10-18.	3.0	83
88	Thermohaline Circulation and Prolonged Interglacial Warmth in the North Atlantic. <i>Quaternary Research</i> , 2002, 58, 17-21.	1.7	127
89	Persistent suborbital climate variability in marine isotope stage 5 and termination II. <i>Paleoceanography</i> , 2001, 16, 280-292.	3.0	117
90	Zinc concentrations in benthic foraminifera reflect seawater chemistry. <i>Paleoceanography</i> , 2000, 15, 299-306.	3.0	112

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91	North Atlantic Intermediate to Deep Water circulation and chemical stratification during the past 1 Myr. <i>Paleoceanography</i> , 2000, 15, 388-403.	3.0	83
92	Glacial deep water geometry: South Atlantic benthic foraminiferal Cd/Ca and $\delta^{13}\text{C}$ evidence. <i>Paleoceanography</i> , 2000, 15, 147-160.	3.0	72
93	Alkenones as paleoceanographic proxies. <i>Geochemistry, Geophysics, Geosystems</i> , 2000, 1, n/a-n/a.	2.5	41
94	Millennial-scale changes in ventilation of the thermocline, intermediate, and deep waters of the glacial North Atlantic. <i>Geophysical Monograph Series</i> , 1999, , 59-76.	0.1	45
95	A 0.5-Million-Year Record of Millennial-Scale Climate Variability in the North Atlantic. <i>Science</i> , 1999, 283, 971-975.	12.6	744
96	Millennial-scale changes in North Atlantic circulation since the last glaciation. <i>Nature</i> , 1998, 393, 557-561.	27.8	135
97	Millennial-scale climate instability during the early Pleistocene epoch. <i>Nature</i> , 1998, 392, 699-702.	27.8	192
98	Abrupt Climate Events 500,000 to 340,000 Years Ago: Evidence from Subpolar North Atlantic Sediments. <i>Science</i> , 1998, 279, 1335-1338.	12.6	239
99	The Mid-Pleistocene climate transition: A deep sea carbon isotopic perspective. <i>Paleoceanography</i> , 1997, 12, 546-559.	3.0	325
100	Synchronous, high-frequency oscillations in tropical sea surface temperatures and North Atlantic Deep Water production during the Last Glacial Cycle. <i>Paleoceanography</i> , 1997, 12, 1-14.	3.0	157
101	Marine core evidence for reduced deep water production during Termination II followed by a relatively stable substage 5e (Eemian). <i>Paleoceanography</i> , 1997, 12, 51-63.	3.0	110
102	A $\delta^{13}\text{C}$ record of Upper North Atlantic Deep Water during the past 2.6 million years. <i>Paleoceanography</i> , 1995, 10, 373-394.	3.0	65
103	Suborbital timescale variability of North Atlantic Deep Water during the past 200,000 years. <i>Paleoceanography</i> , 1995, 10, 901-910.	3.0	183
104	Cd/Ca changes in a Deep Cape Basin Core over the past 730,000 years: Response of circumpolar deepwater variability to northern hemisphere ice sheet melting?. <i>Paleoceanography</i> , 1994, 9, 661-675.	3.0	40
105	Mid-Depth Circulation of the Subpolar North Atlantic During the Last Glacial Maximum. <i>Science</i> , 1993, 259, 1148-1152.	12.6	225
106	Pleistocene $\delta^{13}\text{C}$ Variability of North Atlantic Intermediate Water. <i>Paleoceanography</i> , 1992, 7, 229-250.	3.0	70
107	Late Pleistocene Southern Ocean $\delta^{13}\text{C}$ variability. <i>Paleoceanography</i> , 1990, 5, 43-54.	3.0	140
108	Atlantic Ocean thermohaline circulation of the last 150,000 years: Relationship to climate and atmospheric CO_2 . <i>Paleoceanography</i> , 1990, 5, 277-288.	3.0	88

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109	Carbon isotope composition of tropical surface water during the past 22,000 years. <i>Paleoceanography</i> , 1989, 4, 333-351.	3.0	142
110	Variability in the deep and intermediate water circulation of the Atlantic Ocean during the past 25,000 years: Northern Hemisphere modulation of the Southern Ocean. <i>Earth and Planetary Science Letters</i> , 1987, 86, 1-15.	4.4	362