

Maureen E Raymo

List of Publications by Year in descending order

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42
papers

11,837
citations

185998

28
h-index

264894

42
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43
all docs

43
docs citations

43
times ranked

9035
citing authors

#	ARTICLE	IF	CITATIONS
1	A Pliocene-Pleistocene stack of 57 globally distributed benthic $\delta^{18}O$ records. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	3,308
2	Tectonic forcing of late Cenozoic climate. <i>Nature</i> , 1992, 359, 117-122.	13.7	1,889
3	On the structure and origin of major glaciation cycles 2. The 100,000-year cycle. <i>Paleoceanography</i> , 1993, 8, 699-735.	3.0	821
4	Influence of late Cenozoic mountain building on ocean geochemical cycles. <i>Geology</i> , 1988, 16, 649.	2.0	734
5	Pleistocene evolution: Northern hemisphere ice sheets and North Atlantic Ocean. <i>Paleoceanography</i> , 1989, 4, 353-412.	3.0	715
6	Sea-level rise due to polar ice-sheet mass loss during past warm periods. <i>Science</i> , 2015, 349, aaa4019.	6.0	501
7	Late Pliocene variation in northern hemisphere ice sheets and North Atlantic deep water circulation. <i>Paleoceanography</i> , 1989, 4, 413-446.	3.0	486
8	Pliocene-Pleistocene climate evolution: trends and transitions in glacial cycle dynamics. <i>Quaternary Science Reviews</i> , 2007, 26, 56-69.	1.4	414
9	Plio-Pleistocene Ice Volume, Antarctic Climate, and the Global $\delta^{18}O$ Record. <i>Science</i> , 2006, 313, 492-495.	6.0	357
10	The Mid-Pleistocene climate transition: A deep sea carbon isotopic perspective. <i>Paleoceanography</i> , 1997, 12, 546-559.	3.0	325
11	High-amplitude variations in North Atlantic sea surface temperature during the early Pliocene warm period. <i>Paleoceanography</i> , 2009, 24, .	3.0	208
12	Departures from eustasy in Pliocene sea-level records. <i>Nature Geoscience</i> , 2011, 4, 328-332.	5.4	208
13	Response of deep ocean circulation to initiation of northern hemisphere glaciation (3-2 MA). <i>Paleoceanography</i> , 1992, 7, 645-672.	3.0	192
14	Collapse of polar ice sheets during the stage 11 interglacial. <i>Nature</i> , 2012, 483, 453-456.	13.7	191
15	The analysis of Last Interglacial (MIS 5e) relative sea-level indicators: Reconstructing sea-level in a warmer world. <i>Earth-Science Reviews</i> , 2016, 159, 404-427.	4.0	181
16	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
17	The Himalayas, organic carbon burial, and climate in the Miocene. <i>Paleoceanography</i> , 1994, 9, 399-404.	3.0	171
18	Orbital forcing of the East Antarctic ice sheet during the Pliocene and Early Pleistocene. <i>Nature Geoscience</i> , 2014, 7, 841-847.	5.4	121

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19	An alternative suggestion for the Pliocene onset of major northern hemisphere glaciation based on the geochemical provenance of North Atlantic Ocean ice-rafted debris. <i>Quaternary Science Reviews</i> , 2013, 75, 181-194.	1.4	119
20	Unlocking the mysteries of the ice ages. <i>Nature</i> , 2008, 451, 284-285.	13.7	112
21	K isotopes as a tracer for continental weathering and geological K cycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8740-8745.	3.3	99
22	The impact of dynamic topography change on Antarctic ice sheet stability during the mid-Pliocene warm period. <i>Geology</i> , 2015, 43, 927-930.	2.0	70
23	Deep Atlantic Ocean carbon storage and the rise of 100,000-year glacial cycles. <i>Nature Geoscience</i> , 2019, 12, 355-360.	5.4	61
24	The accuracy of mid-Pliocene $\delta^{18}O$ -based ice volume and sea level reconstructions. <i>Earth-Science Reviews</i> , 2018, 177, 291-302.	4.0	59
25	Sea-level trends across The Bahamas constrain peak last interglacial ice melt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	46
26	Giant boulders and Last Interglacial storm intensity in the North Atlantic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12144-12149.	3.3	45
27	Gradual and abrupt changes during the Mid-Pleistocene Transition. <i>Quaternary Science Reviews</i> , 2016, 148, 222-233.	1.4	32
28	Atlantic Deep-water Response to the Early Pliocene Shoaling of the Central American Seaway. <i>Scientific Reports</i> , 2015, 5, 12252.	1.6	31
29	An early Pleistocene Mg/Ca $\delta^{18}O$ record from the Gulf of Mexico: Evaluating ice sheet size and pacing in the 41 kyr world. <i>Paleoceanography</i> , 2016, 31, 1011-1027.	3.0	26
30	Effects of Dynamic Topography on the Cenozoic Carbonate Compensation Depth. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1025-1034.	1.0	23
31	Miocene to present oceanographic variability in the Scotia Sea and Antarctic ice sheets dynamics: Insight from revised seismic-stratigraphy following IODP Expedition 382. <i>Earth and Planetary Science Letters</i> , 2021, 553, 116657.	1.8	21
32	Neogene continental denudation and the beryllium conundrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	20
33	New Magnetostratigraphic Insights From Iceberg Alley on the Rhythms of Antarctic Climate During the Pliocene-Pleistocene. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA003994.	1.3	12
34	Antiphased dust deposition and productivity in the Antarctic Zone over 1.5 million years. <i>Nature Communications</i> , 2022, 13, 2044.	5.8	11
35	Pliocene-Pleistocene Stratigraphy and Sea-Level Estimates, Republic of South Africa With Implications for a 400 ppmv CO_2 World. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003835.	1.3	10
36	Higher than present global mean sea level recorded by an Early Pliocene intertidal unit in Patagonia (Argentina). <i>Communications Earth & Environment</i> , 2020, 1, .	2.6	9

#	ARTICLE	IF	CITATIONS
37	Reply to Hearty and Tormey: Use the scientific method to test geologic hypotheses, because rocks do not whisper. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2904-E2905.	3.3	7
38	Quantifying Diagenesis, Contributing Factors, and Resulting Isotopic Bias in Benthic Foraminifera Using the Foraminiferal Preservation Index: Implications for Geochemical Proxy Records. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004110.	1.3	7
39	Tsunamigenic Potential of an Incipient Submarine Landslide in the Tiran Straits. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	7
40	Episodes of Early Pleistocene West Antarctic Ice Sheet Retreat Recorded by Iceberg Alley Sediments. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	1.3	5
41	Late Pleistocene Emergence of Crystalline Canadian Shield Sources in Sediments of the Northern Gulf of Mexico. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004082.	1.3	2
42	A Ternary Mixing Model Approach Using Benthic Foraminifer $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ Data to Reconstruct Late Pliocene Deep Atlantic Water Mass Mixing. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003804.	1.3	2