Mark Pagani

List of Publications by Year
in descending order

29	5,376	236925 25	477307 29
papers	citations	h-index	g-index

29	29	29	5252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Marked Decline in Atmospheric Carbon Dioxide Concentrations During the Paleogene. Science, 2005, 309, 600-603.	12.6	774
2	Global Cooling During the Eocene-Oligocene Climate Transition. Science, 2009, 323, 1187-1190.	12.6	611
3	High Earth-system climate sensitivity determined from Pliocene carbon dioxide concentrations. Nature Geoscience, 2010, 3, 27-30.	12.9	468
4	Arctic hydrology during global warming at the Palaeocene/Eocene thermal maximum. Nature, 2006, 442, 671-675.	27.8	410
5	Miocene evolution of atmospheric carbon dioxide. Paleoceanography, 1999, 14, 273-292.	3.0	407
6	A 40-million-year history of atmospheric CO ₂. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20130096.	3.4	344
7	Past extreme warming events linked to massive carbon release from thawing permafrost. Nature, 2012, 484, 87-91.	27.8	283
8	Carbon isotope ratio of Cenozoic CO₂: A comparative evaluation of available geochemical proxies. Paleoceanography, 2010, 25, .	3.0	262
9	The Role of Carbon Dioxide During the Onset of Antarctic Glaciation. Science, 2011, 334, 1261-1264.	12.6	262
10	The Early Origins of Terrestrial C4Photosynthesis. Annual Review of Earth and Planetary Sciences, 2007, 35, 435-461.	11.0	225
11	ATMOSPHERE: An Ancient Carbon Mystery. Science, 2006, 314, 1556-1557.	12.6	162
12	Drought, agricultural adaptation, and sociopolitical collapse in the Maya Lowlands. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5607-5612.	7.1	152
13	The role of terrestrial plants in limiting atmospheric CO2 decline over the past 24â€‰million years. Nature, 2009, 460, 85-88.	27.8	132
14	Descent toward the Icehouse: Eocene sea surface cooling inferred from GDGT distributions. Paleoceanography, 2015, 30, 1000-1020.	3.0	129
15	Ring Index: A new strategy to evaluate the integrity of TEX₈₆ paleothermometry. Paleoceanography, 2016, 31, 220-232.	3.0	121
16	Antarctic Ice Sheet variability across the Eocene-Oligocene boundary climate transition. Science, 2016, 352, 76-80.	12.6	116
17	North Atlantic temperature and pCO2 coupling in the early-middle Miocene. Geology, 2018, 46, 519-522.	4.4	101
18	An interlaboratory study of TEX₈₆ and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285.	2.5	76

#	Article	IF	Citations
19	Refining ancient carbon dioxide estimates: Significance of coccolithophore cell size for alkenoneâ€based pCO₂ records. Paleoceanography, 2007, 22, .	3.0	56
20	The enigma of Oligocene climate and global surface temperature evolution. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25302-25309.	7.1	54
21	Comparison of water column [CO2aq] with sedimentary alkenone-based estimates: A test of the alkenone-CO2proxy. Paleoceanography, 2002, 17, 21-1-21-12.	3.0	48
22	Miocene Evolution of North Atlantic Sea Surface Temperature. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003748.	2.9	40
23	Compoundâ€specific stable isotopes of organic compounds from lake sediments track recent environmental changes in an alpine ecosystem, Rocky Mountain National Park, Colorado. Limnology and Oceanography, 2008, 53, 1468-1478.	3.1	38
24	A long-term decrease in the persistence of soil carbon caused by ancient Maya land use. Nature Geoscience, 2018, 11, 645-649.	12.9	34
25	Isotope analyses of molecular and total organic carbon from miocene sediments. Geochimica Et Cosmochimica Acta, 2000, 64, 37-49.	3.9	31
26	Ecosystem CO₂ starvation and terrestrial silicate weathering: mechanisms and globalâ€scale quantification during the late Miocene. Journal of Ecology, 2012, 100, 31-41.	4.0	27
27	Response to Comment on â€œA 12-million-year temperature history of the tropical Pacific Oceanâ€• Science, 2014, 346, 1467-1467.	12.6	6
28	Broken tropical thermostats. Nature Geoscience, 2014, 7, 555-556.	12.9	4
29	Enhanced Terrestrial Carbon Export From East Antarctica During the Early Eocene. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	3