Mark Maslin

List of Publications by Year
in descending order

122 papers	16,132 citations	47 h-index	114 g-index
		47006	21540
140 all docs	140 docs citations	140 times ranked	16307 citing authors

#	Article	IF	Citations
1	Managing the health effects of climate change. Lancet, The, 2009, 373, 1693-1733.	13.7	2,195
2	Defining the Anthropocene. Nature, 2015, 519, 171-180.	27.8	2,143
3	Health and climate change: policy responses to protect public health. Lancet, The, 2015, 386, 1861-1914.	13.7	1,311
4	The 2020 report of The Lancet Countdown on health and climate change: responding to converging crises. Lancet, The, 2021, 397, 129-170.	13.7	1,030
5	The 2019 report of The Lancet Countdown on health and climate change: ensuring that the health of a child born today is not defined by a changing climate. Lancet, The, 2019, 394, 1836-1878.	13.7	905
6	The Lancet Countdown on health and climate change: from 25 years of inaction to a global transformation for public health. Lancet, The, 2018, 391, 581-630.	13.7	802
7	The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. Lancet, The, 2021, 398, 1619-1662.	13.7	669
8	The 2018 report of the Lancet Countdown on health and climate change: shaping the health of nations for centuries to come. Lancet, The, 2018, 392, 2479-2514.	13.7	595
9	Late Cenozoic Moisture History of East Africa. Science, 2005, 309, 2051-2053.	12.6	328
10	The Lancet Countdown: tracking progress on health and climate change. Lancet, The, 2017, 389, 1151-1164.	13.7	292
11	Variations in Atlantic surface ocean paleoceanography, 50Â°-80Â°N: A time-slice record of the last 30,000 years. Paleoceanography, 1995, 10, 1063-1094.	3.0	271
12	Late Quaternary Vegetation and Climate Change in the Amazon Basin Based on a 50,000 Year Pollen Record from the Amazon Fan, ODP Site 932. Quaternary Research, 1999, 51, 27-38.	1.7	217
13	Linking continental-slope failures and climate change: Testing the clathrate gun hypothesis. Geology, 2004, 32, 53.	4.4	217
14	Climate model and proxy data constraints on ocean warming across the Paleoceneâ€“Eocene Thermal Maximum. Earth-Science Reviews, 2013, 125, 123-145.	9.1	214
15	Gas hydrates: past and future geohazard?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 2369-2393.	3.4	203
16	East African climate pulses and early human evolution. Quaternary Science Reviews, 2014, 101, 1-17.	3.0	202
17	Human evolution in a variable environment: the amplifier lakes of Eastern Africa. Quaternary Science Reviews, 2010, 29, 2981-2988.	3.0	196
18	Magnetic susceptibility variations in Upper Pleistocene deep-sea sediments of the NE Atlantic: Implications for ice rafting and paleocirculation at the Last Glacial Maximum. Paleoceanography, 1995, 10, 221-250.	3.0	164

#	Article	IF	Citations
19	Reconstruction of the Amazon Basin Effective Moisture Availability over the Past 14,000 Years. Science, 2000, 290, 2285-2287.	12.6	163
20	Tectonics, orbital forcing, global climate change, and human evolution in Africa: introduction to the African paleoclimate special volume. Journal of Human Evolution, 2007, 53, 443-464.	2.6	156
21	Sudden climate transitions during the Quaternary. Progress in Physical Geography, 1999, 23, 1-36.	3.2	152
22	Sea-level â€“and gas-hydrateâ€“controlled catastrophic sediment failures of the Amazon Fan. Geology, 1998, 26, 1107.	4.4	140
23	Paleovegetation Simulations of Lowland Amazonia and Implications for Neotropical Allopatry and Speciation. Quaternary Research, 2001, 55, 140-149.	1.7	137
24	Climate models at their limit?. Nature, 2012, 486, 183-184.	27.8	119
25	A synthesis of the theories and concepts of early human evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140064.	4.0	115
26	Involve social scientists in defining the Anthropocene. Nature, 2016, 540, 192-193.	27.8	108
27	CO2-driven ocean circulation changes as an amplifier of Paleocene-Eocene thermal maximum hydrate destabilization. Geology, 2010, 38, 875-878.	4.4	100
28	The global green economy: a review of concepts, definitions, measurement methodologies and their interactions. Geo: Geography and Environment, 2017, 4, e00036.	0.8	95
29	Contrasting simulated past and future responses of the Amazonian forest to atmospheric change. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 539-547.	4.0	92
30	Implications of coral reef buildup for the controls on atmospheric CO2since the Last Glacial Maximum. Paleoceanography, 2003, 18, n/a-n/a.	3.0	90
31	Mid-Pleistocene revolution and the â€˜eccentricity mythâ€™. Geological Society Special Publication, 2005, 247, 19-34.	1.3	90
32	Late Pleistocene submarine mass movements: occurrence and causes. Quaternary Science Reviews, 2007, 26, 958-978.	3.0	88
33	Balancing the deglacial global carbon budget: the hydrate factor. Quaternary Science Reviews, 2003, 22, 1729-1736.	3.0	86
34	Simulated glacial and interglacial vegetation across Africa: implications for species phylogenies and transâ€African migration of plants and animals. Global Change Biology, 2008, 14, 827-840.	9.5	80
35	Causes of catastrophic sediment failures of the Amazon Fan. Quaternary Science Reviews, 2005, 24, 2180-2193.	3.0	79
36	Major changes in glacial and Holocene terrestrial temperatures and sources of organic carbon recorded in the Amazon fan by tetraether lipids. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	79

#	Article	IF	Citations
37	Adaptation responses to climate change differ between global megacities. Nature Climate Change, 2016, 6, 584-588.	18.8	78
38	North Atlantic deep water circulation collapse during Heinrich events. Geology, 1999, 27, 23.	4.4	77
39	The role of orbital forcing in the Early Middle Pleistocene Transition. Quaternary International, 2015, 389, 47-55.	1.5	70
40	Early Human Speciation, Brain Expansion and Dispersal Influenced by African Climate Pulses. PLoS ONE, 2013, 8, e76750.	2.5	66
41	Global Peak in Atmospheric Radiocarbon Provides a Potential Definition for the Onset of the Anthropocene Epoch in 1965. Scientific Reports, 2018, 8, 3293.	3.3	58
42	Biomarker evidence for â€œHeinrichâ€•events. Geochimica Et Cosmochimica Acta, 1997, 61, 1671-1678.	3.9	57
43	Atlantic ocean heat piracy and the bipolar climate see-saw during Heinrich and Dansgaard-Oeschger events. Journal of Quaternary Science, 2001, 16, 321-328.	2.1	57
44	Comment on â€œThe global tree restoration potentialâ€• Science, 2019, 366, .	12.6	55
45	Global health and climate change: moving from denial and catastrophic fatalism to positive action. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1866-1882.	3.4	54
46	A transparent framework for defining the Anthropocene Epoch. Infrastructure Asset Management, 2015, 2, 128-146.	1.6	54
47	Oceanic forcing of the Marine Isotope StageÂ11Âinterglacial. Nature Geoscience, 2009, 2, 428-433.	12.9	53
48	New views on an old forest: assessing the longevity, resilience and future of the Amazon rainforest. Transactions of the Institute of British Geographers, 2005, 30, 477-499.	2.9	50
49	Diatom Î´18O evidence for the development of the modern halocline system in the subarctic northwest Pacific at the onset of major Northern Hemisphere glaciation. Paleoceanography, 2006, 21, n/a-n/a.	3.0	50
50	ATMOSPHERE: Ecological Versus Climatic Thresholds. Science, 2004, 306, 2197-2198.	12.6	49
51	Global disparity in the supply of commercial weather and climate information services. Science Advances, 2017, 3, e1602632.	10.3	48
52	Low-latitude forcing of meridional temperature and salinity gradients in the subpolar North Atlantic and the growth of glacial ice sheets. Geology, 1999, 27, 875.	4.4	47
53	Public Participation and Climate Change Infrastructure. Journal of Environmental Law, 2013, 25, 33-62.	1.4	47
54	Paleo-ENSO influence on African environments and early modern humans. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	47

#	Article	IF	Citations
55	Anthropocene: Earth System, geological, philosophical and political paradigm shifts. Infrastructure Asset Management, 2015, 2, 108-116.	1.6	46
56	Plio-Pleistocene East African Pulsed Climate Variability and Its Influence on Early Human Evolution. Vertebrate Paleobiology and Paleoanthropology, 2009, , 151-158.	0.5	44
57	Global warming in the public sphere. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 2741-2776.	3.4	43
58	Climate-averaging of terrestrial faunas: an example from the Plio-Pleistocene of South Africa. Paleobiology, 2010, 36, 32-50.	2.0	42
59	The role of CO2 decline for the onset of Northern Hemisphere glaciation. Quaternary Science Reviews, 2015, 119, 22-34.	3.0	42
60	Isotope offsets in marine diatom Î´¹⁸O over the last 200 ka. Journal of Quaternary Science, 2008, 23, 389-400.	2.1	39
61	Forty years of linking orbits to ice ages. Nature, 2016, 540, 208-209.	27.8	35
62	Sultry last interglacial gets sudden chill. Eos, 1996, 77, 353.	0.1	34
63	Diatom oxygen isotopes: Evidence of a species effect in the sediment record. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	2.5	34
64	Centennialâ€scale evolution of Dansgaardâ€Oeschger events in the northeast Atlantic Ocean between 39.5 and 56.5 ka B.P.. Paleoceanography, 2008, 23, .	3.0	34
65	Classifying past climate change in the Chew Bahir basin, southern Ethiopia, using recurrence quantification analysis. Climate Dynamics, 2019, 53, 2557-2572.	3.8	33
66	Millennial-scale sea-level control on avulsion events on the Amazon Fan. Quaternary Science Reviews, 2006, 25, 3338-3345.	3.0	32
67	Episodes of environmental stability versus instability in Late Cenozoic lake records of Eastern Africa. Journal of Human Evolution, 2015, 87, 21-31.	2.6	32
68	Linking large impacts, gas hydrates, and carbon isotope excursions through widespread sediment liquefaction and continental slope failure: The example of the K-T boundary event. , 2005, , .		31
69	Putting the United Nations Sustainable Development Goals into practice: A review of implementation, monitoring, and finance. Geo: Geography and Environment, 2018, 5, e00049.	0.8	31
70	A practical solution: the Anthropocene is a geological event, not a formal epoch. Episodes, 2022, 45, 349-357.	1.2	30
71	Pastoralism may have delayed the end of the green Sahara. Nature Communications, 2018, 9, 4018.	12.8	29
72	The politics of the anthropocene: a dialogue. Geo: Geography and Environment, 2016, 3, e00022.	0.8	27

#	Article	IF	Citations
73	Evidence for a prolonged retroflection of the North Brazil Current during glacial stages. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 301, 86-96.	2.3	26
74	Population, development, and climate change: links and effects on human health. Lancet, The, 2013, 382, 1665-1673.	13.7	25
75	Assessing the relative contribution of economic, political and environmental factors on past conflict and the displacement of people in East Africa. Palgrave Communications, 2018, 4, .	4.7	25
76	Oceanic, atmospheric and ice-sheet forcing of South East Atlantic Ocean productivity and South African monsoon intensity during MIS-12 to 10. Quaternary Science Reviews, 2010, 29, 3936-3947.	3.0	24
77	Three and half million year history of moisture availability of South West Africa: Evidence from ODP site 1085 biomarker records. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 317-318, 41-47.	2.3	24
78	A Review of Potential Impacts of Climate Change on Coffee Cultivation and Mycotoxigenic Fungi. Microorganisms, 2020, 8, 1625.	3.6	23
79	Estimating the scale of the US green economy within the global context. Palgrave Communications, 2019, 5, .	4.7	23
80	Atlantic overturning circulation and Agulhas leakage influences on southeast Atlantic upper ocean hydrography during marine isotope stage 11. Paleoceanography, 2010, 25, .	3.0	22
81	Dynamic boundary-monsoon intensity hypothesis: evidence from the deglacial Amazon River discharge record. Quaternary Science Reviews, 2011, 30, 3823-3833.	3.0	22
82	Cascading uncertainty in climate change models and its implications for policy. Geographical Journal, 2013, 179, 264-271.	3.1	22
83	Reduced effectiveness of terrestrial carbon sequestration due to an antagonistic response of ocean productivity. Geophysical Research Letters, 2002, 29, 19-1-19-4.	4.0	21
84	Synthesis of the Nature and Causes of Rapid Climate Transitions During the Quaternary. Geophysical Monograph Series, 0, , 9-52.	0.1	21
85	Clean up energy innovation. Nature, 2016, 538, 27-29.	27.8	21
86	Is climate change the greatest threat to global health?. Geographical Journal, 2015, 181, 413-422.	3.1	20
87	Carbon trading needs a multi-level approach. Nature, 2011, 475, 445-447.	27.8	19
88	Oceanographic and climatic evolution of the southeastern subtropical Atlantic over the last 3.5 Ma. Earth and Planetary Science Letters, 2018, 492, 12-21.	4.4	18
89	Life cycle assessment synthesis of the carbon footprint of Arabica coffee: Case study of Brazil and Vietnam conventional and sustainable coffee production and export to the United Kingdom. Geo: Geography and Environment, 2020, 7, e00096.	0.8	16
90	Flooding of the continental shelves as a contributor to deglacial CH₄ rise. Journal of Quaternary Science, 2012, 27, 800-806.	2.1	14

#	Article	IF	Citations
91	Amazon Fan biomarker evidence against the Pleistocene rainforest refuge hypothesis?. Journal of Quaternary Science, 2012, 27, 451-460.	2.1	13
92	Comment on â€œDiatomaceous sediments and environmental change in the Pleistocene Olorgesailie Formation, southern Kenya Riftâ€•by R.B. Owen, R. Potts, A.K. Behrensmeyer and P. Ditchfield [Palaeogeography, Palaeoclimatology, Palaeoecology 269 (2008) 17â€“37]. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 282, 145-146.	2.3	11
93	The road from Rio to Glasgow: a short history of the climate change negotiations. Scottish Geographical Journal, 2020, 136, 5-12.	1.1	11
94	Organic geochemical changes in Pliocene sediments of ODP Site 1083 (Benguela Upwelling System). Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 280, 119-131.	2.3	10
95	Geological evidence for the Anthropocene. Science, 2015, 349, 246-247.	12.6	8
96	Composition and circulation of bottom water in the western Atlantic Ocean during the last glacial, based on pore-water analyses from the Amazon Fan. Geology, 1999, 27, 1011.	4.4	7
97	Tying celestial mechanics to Earthâ€™s ice ages. Physics Today, 2020, 73, 48-53.	0.3	7
98	Equatorial western Atlantic Ocean circulation changes linked to the Heinrich events: deep-sea sediment evidence from the Amazon Fan. Geological Society Special Publication, 1998, 131, 111-127.	1.3	6
99	Tectonics, Orbital Forcing, Global Climate Change, and Human Evolution in Africa. , 2013, , 103-160.		6
100	Testing the reliability of paper seismic record to SEGY conversion on the surface and shallow sub-surface geology of the Barra Fan (NE Atlantic Ocean). Marine and Petroleum Geology, 2015, 61, 69-81.	3.3	6
101	Climate change: essential knowledge for developing holistic solutions to our climate crisis. Emerging Topics in Life Sciences, 2019, 3, 245-256.	2.6	5
102	Abrupt intrinsic and extrinsic responses of southwestern Iberian vegetation to millennialâ€scale variability over the past 28 ka. Journal of Quaternary Science, 2022, 37, 420-440.	2.1	5
103	Anthropocene now. New Scientist, 2018, 239, 24-25.	0.0	4
104	Climate change is not the biggest global health threat â€“ Authors' reply. Lancet, The, 2009, 374, 974-975.	13.7	3
105	Emergence of the carbon-market intelligence sector. Nature Climate Change, 2012, 2, 300-302.	18.8	3
106	Sediment failures within the Peach Slide (Barra Fan, NE Atlantic Ocean) and relation to the history of the British-Irish Ice Sheet. Quaternary Science Reviews, 2018, 187, 1-30.	3.0	3
107	Timing of the late Quaternary Amazon Fan Complex masstransport deposits. Geological Society Special Publication, 1998, 131, 129-150.	1.3	2
108	Editorial: Enlightenment in four dimensions. Transactions of the Institute of British Geographers, 2005, 30, 267-268.	2.9	2

#	Article	IF	Citations
109	NE Atlantic surface water mass changes over the last 15Âkyr. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 282, 58-66.	2.3	2
110	Ocean Bi-Polar Seesaw and Climate: Southern Versus Northern Meltwater Impacts. Geophysical Monograph Series, 0, , 147-167.	0.1	2
111	Negotiating failure: understanding the geopolitics of climate change. Geographical Journal, 2015, 181, 432-436.	3.1	2
112	Climate change? Yes, we can.. New Scientist, 2020, 247, 46-49.	0.0	2
113	Geological evidence for the Anthropocene. Science, 2015, 349, 246-247.	12.6	2
114	Quaternary Climate Transitions and Cycles. Encyclopedia of Earth Sciences Series, 2009, , 841-855.	0.1	2
115	Holocene bipolar climate seesaw: possible subtle evidence from the deep North East Atlantic Ocean?. Journal of Quaternary Science, 2010, 25, 237-242.	2.1	1
116	Underappreciated Atlantic tsunami risk. Nature Geoscience, 2014, 7, 550-550.	12.9	1
117	Welcome to the Anthropocene. IPPR Progressive Review, 2018, 25, 214-219.	0.2	1
118	Modelling the past and the future fate of the Amazonian forest. , 2005, , 191-198.		1
119	Climate change and world trade. , 0, , 680-692.		0
120	The longevity and resilience of the Amazon rainforest. , 2005, , 167-182.		0
121	The challenges of a food sovereignty perspective: an analysis of the foodways of the Rama indigenous group, Nicaragua. Food Security, 0, , 1.	5.3	0
122	Shaping Earth in our image Altered Earth: Getting the Anthropocene Right Julia Adeney Thomas, Ed. Cambridge University Press, 2022. 300 pp.. Science, 2022, 376, 805-805.	12.6	0