Harry Dowsett

List of Publications by Year in descending order

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84 papers	5,619 citations	66234 42 h-index	85405 71 g-index
127 all docs	127 docs citations	127 times ranked	3719 citing authors

#	Article	IF	Citations
1	Closure of the Isthmus of Panama: The near-shore marine record of Costa Rica and western Panama. Bulletin of the Geological Society of America, 1992, 104, 814-828.	1.6	406
2	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. Climate of the Past, 2013, 9, 191-209.	1.3	289
3	Middle Pliocene sea surface temperatures: a global reconstruction. Marine Micropaleontology, 1996, 27, 13-25.	0.5	239
4	Earth system sensitivity inferred from Pliocene modelling and data. Nature Geoscience, 2010, 3, 60-64.	5.4	230
5	High eustatic sea level during the middle Pliocene:Evidence from the southeastern U.S. Atlantic Coastal Plain. Geology, 1990, 18, 435.	2.0	196
6	Micropaleontological Evidence for Increased Meridional Heat Transport in the North Atlantic Ocean During the Pliocene. Science, 1992, 258, 1133-1135.	6.0	191
7	Joint investigations of the Middle Pliocene climate I: PRISM paleoenvironmental reconstructions. Global and Planetary Change, 1994, 9, 169-195.	1.6	191
8	Assessing confidence in Pliocene sea surface temperatures to evaluate predictive models. Nature Climate Change, 2012, 2, 365-371.	8.1	171
9	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1). Geoscientific Model Development, 2010, 3, 227-242.	1.3	168
10	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 2). Geoscientific Model Development, 2011, 4, 571-577.	1.3	151
11	Integrating geological archives and climate models for the mid-Pliocene warm period. Nature Communications, 2016, 7, 10646.	5.8	150
12	The PRISM4 (mid-Piacenzian) paleoenvironmental reconstruction. Climate of the Past, 2016, 12, 1519-1538.	1.3	143
13	Pliocene three-dimensional global ocean temperature reconstruction. Climate of the Past, 2009, 5, 769-783.	1.3	137
14	Challenges in quantifying Pliocene terrestrial warming revealed by dataâ€“model discord. Nature Climate Change, 2013, 3, 969-974.	8.1	132
15	Sea Surface Temperature of the mid-Piacenzian Ocean: A Data-Model Comparison. Scientific Reports, 2013, 3, 2013.	1.6	124
16	The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. Climate of the Past, 2016, 12, 663-675.	1.3	119
17	Pliocene sea surface temperatures of the north atlantic ocean at 3.0 Ma. Quaternary Science Reviews, 1991, 10, 189-204.	1.4	114
18	Sensitivity of Pliocene ice sheets to orbital forcing. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 98-110.	1.0	106

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19	On the causes of mid-Pliocene warmth and polar amplification. Earth and Planetary Science Letters, 2012, 321-322, 128-138.	1.8	97
20	Millennial- to century-scale variability in Gulf of Mexico Holocene climate records. Paleoceanography, 2003, 18, n/a-n/a.	3.0	96
21	Mid-Pliocene equatorial Pacific sea surface temperature reconstruction: a multi-proxy perspective. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 109-125.	1.6	95
22	The Pliocene Model Intercomparison Project Phase 2: large-scale climate features and climate sensitivity. Climate of the Past, 2020, 16, 2095-2123.	1.3	93
23	A new planktic foraminifer transfer function for estimating plioceneâ€"Holocene paleoceanographic conditions in the North Atlantic. Marine Micropaleontology, 1990, 16, 1-23.	0.5	90
24	Are there pre-Quaternary geological analogues for a future greenhouse warming?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 933-956.	1.6	88
25	Introduction. Pliocene climate, processes and problems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3-17.	1.6	85
26	Latitudinal species diversity gradient of marine zooplankton for the last three million years. Ecology Letters, 2012, 15, 1174-1179.	3.0	85
27	Comparison of mid-Pliocene climate predictions produced by the HadAM3 and GCMAM3 General Circulation Models. Global and Planetary Change, 2009, 66, 208-224.	1.6	83
28	Modelling the enigmatic Late Pliocene Glacial Event â€" Marine Isotope Stage M2. Global and Planetary Change, 2015, 128, 47-60.	1.6	79
29	A quantitative micropaleontologic method for shallow marine peleoclimatology: Application to Pliocene deposits of the western North Atlantic Ocean. Marine Micropaleontology, 1990, 16, 117-147.	0.5	76
30	On the identification of a Pliocene time slice for dataâ€"model comparison. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120515.	1.6	69
31	Diachrony of Late Neogene microfossils in the southwest Pacific Ocean: Application of the graphic correlation method. Paleoceanography, 1988, 3, 209-222.	3.0	64
32	Macroevolutionary consequences of profound climate change on niche evolution in marine molluscs over the past three million years. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141995.	1.2	63
33	Endless Forams: >34,000 Modern Planktonic Foraminiferal Images for Taxonomic Training and Automated Species Recognition Using Convolutional Neural Networks. Paleoceanography and Paleoclimatology, 2019, 34, 1157-1177.	1.3	61
34	Pliocene Role in Assessing Future Climate Impacts. Eos, 2008, 89, 501-502.	0.1	60
35	Middle Pliocene sea surface temperature variability. Paleoceanography, 2005, 20, n/a-n/a.	3.0	59
36	Surface temperatures of the Mid-Pliocene North Atlantic Ocean: implications for future climate. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 69-84.	1.6	58

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37	Reevaluation of midâ€Pliocene North Atlantic sea surface temperatures. Paleoceanography, 2008, 23, .	3.0	56
38	Bathymetric controls on Pliocene North Atlantic and Arctic sea surface temperature and deepwater production. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 92-97.	1.0	55
39	Sea surface temperatures of the mid-Piacenzian Warm Period: A comparison of PRISM3 and HadCM3. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 83-91.	1.0	54
40	Application of the Graphic Correlation method to Pliocene marine sequences. Marine Micropaleontology, 1989, 14, 3-32.	0.5	51
41	Late Pliocene lakes and soils: a global data set for the analysis of climate feedbacks in a warmer world. Climate of the Past, 2014, 10, 167-180.	1.3	49
42	Climate variability from the Florida Bay sedimentary record: possible teleconnections to ENSO, PNA and CNP. Climate Research, 2002, 19, 233-245.	0.4	43
43	The Development of a Longâ€Range Foraminifer Transfer Function and Application to Late Pleistocene North Atlantic Climatic Extremes. Paleoceanography, 1991, 6, 259-273.	3.0	41
44	Mid-Pliocene deep-sea bottom-water temperatures based on ostracode Mg/Ca ratios. Marine Micropaleontology, 2005, 54, 249-261.	0.5	41
45	The PRISM (Pliocene palaeoclimate) reconstruction: time for a paradigm shift. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120524.	1.6	40
46	Simulations of the mid-Pliocene Warm Period using two versions of the NASA/GISS ModelE2-R Coupled Model. Geoscientific Model Development, 2013, 6, 517-531.	1.3	34
47	Planktonic Foraminiferal Assemblage of the Yorktown Formation, Virginia, USA. Micropaleontology, 1992, 38, 75.	0.3	33
48	Reconstructing late Quaternary deep-water masses in the eastern Arctic Ocean using benthonic Ostracoda. Marine Micropaleontology, 1999, 37, 251-272.	0.5	31
49	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks. Nature Communications, 2022, 13, 1306.	5.8	28
50	Impact of a permanent El NiÃ±o (El Padre) and Indian Ocean Dipole in warm Pliocene climates. Paleoceanography, 2009, 24, .	3.0	26
51	Faunal re-evaluation of Mid-Pliocene conditions in the western equatorial Pacific. Micropaleontology, 2007, 53, 447-456.	0.3	24
52	Mid-Pliocene planktic foraminifer assemblage of the North Atlantic Ocean. Micropaleontology, 2007, 53, 105-126.	0.3	22
53	Southeast Atlantic marine and terrestrial response to middle Pliocene climate change. Marine Micropaleontology, 1996, 27, 181-193.	0.5	21
54	Evaluation of Arctic warming in mid-Pliocene climate simulations. Climate of the Past, 2020, 16, 2325-2341.	1.3	21

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55	Improved Dating of the Pliocene of the Eastern South Atlantic Using Graphic Correlation: Implications for Paleobiogeography and Paleoceanography. Micropaleontology, 1989, 35, 279.	0.3	19
56	Pleistocene reduction of polar ice caps: Evidence from Cariaco Basin marine sediments. Geology, 2001, 29, 71.	2.0	19
57	100â€kyr Paced Climate Change in the Pliocene Warm Period, Southwest Pacific. Paleoceanography and Paleoclimatology, 2019, 34, 524-545.	1.3	18
58	Quantifying Uncertainty in Model Predictions for the Pliocene (Plio-QUMP): Initial results. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 128-140.	1.0	17
59	Emulation of long-term changes in global climate: application to the late Pliocene and future. Climate of the Past, 2017, 13, 1539-1571.	1.3	14
60	The mid-Piacenzian of the North Atlantic Ocean. Stratigraphy, 2019, 16, 119-144.	1.0	13
61	High resolution late Pliocene sea-surface temperature record from the northeast Atlantic Ocean. Marine Micropaleontology, 1992, 20, 91-105.	0.5	12
62	Can uncertainties in sea ice albedo reconcile patterns of data-model discord for the Pliocene and 20th/21st centuries?. Geophysical Research Letters, 2014, 41, 2011-2018.	1.5	9
63	Sensitivity of Pliocene Arctic climate to orbital forcing, atmospheric CO2 and sea ice albedo parameterisation. Earth and Planetary Science Letters, 2016, 441, 133-142.	1.8	9
64	Documentation of the foraminiferal Santonian-Campanian boundary in the northeastern Gulf of Mexico. Journal of Foraminiferal Research, 1984, 14, 129-133.	0.1	8
65	Biogeography and ecology of Ostracoda in the U.S. northern Bering, Chukchi, and Beaufort Seas. PLoS ONE, 2021, 16, e0251164.	1.1	7
66	A global planktic foraminifer census data set for the Pliocene ocean. Scientific Data, 2015, 2, 150076.	2.4	5
67	Icebergs in the Nordic Seas Throughout the Late Pliocene. Paleoceanography and Paleoclimatology, 2018, 33, 318-335.	1.3	5
68	The Yorktown Formation: Improved Stratigraphy, Chronology, and Paleoclimate Interpretations from the U.S. Mid-Atlantic Coastal Plain. Geosciences (Switzerland), 2021, 11, 486.	1.0	5
69	MIOCENE NERITIC BENTHIC FORAMINIFERAL COMMUNITY DYNAMICS, CALVERT CLIFFS, MARYLAND, USA: SPECIES POOL, PATTERNS AND PROCESSES. Palaios, 2021, 36, 247-259.	0.6	2
70	Foraminifera. Encyclopedia of Earth Sciences Series, 2009, , 338-339.	0.1	1
71	Pliocene climate variability over glacial-interglacial timescales (PlioVAR) working group. Past Global Change Magazine, 2015, 23, 82-82.	0.4	1
72	Graphic correlation of deep sea and shallow marine deposits from the Central American Isthmus region: implications for Late Neogene paleoclimatology. The Paleontological Society Special Publications, 1992, 6, 88-88.	0.0	0

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73	Dedication: Prof. Bruce William Sellwood (1946â€“2007). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 19-20.	1.6	0
74	Climate model simulations of the midâ€Pliocene: Earth's last great interval of global warmth. Eos, 2012, 93, 18-18.	0.1	0
75	Aerosols shift lake ecosystem. Nature Climate Change, 2017, 7, 174-175.	8.1	0
76	Speaking to the past. Scientific Data, 2020, 7, 195.	2.4	0
77	GEOGRAPHIC VARIATIONS IN BODY SIZE FOR THE NORTHERN ATLANTIC PELAGIC BIOME. , 2016, , .		0
78	RECONSTRUCTING INDIANÂMONSOON STRENGTH IN THE BAY OF BENGAL DURING THE PLIOCENE M2 EVENT: ESTIMATION OF PALEOSALINITY LEVELS. , 2017, , .		0
79	GLOBAL PACING OF PLIOCENE CLIMATE BY NORTHERN HEMISPHERE PRECESSION: AN ENIGMA. , 2019, , .		0
80	BENTHIC FORAMINIFERAL COMMUNITY CHANGES ACROSS THE PLIOCENE YORKTOWN FORMATION, SOUTHEASTERN VIRGINIA. , 2019, , .		0
81	FORAMINIFERAL AND SEDIMENTOLOGICAL ANALYSIS OF MID-MIOCENE SHATTUCK ZONES 10 THROUGH 17 FROM THE CALVERT CLIFFS, MARYLAND. , 2019, , .		0
82	QUANTIFYING THE IMPACTS OF THE MID-MIOCENE CLIMATE OPTIMUM AND MID-MIOCENE CLIMATE TRANSITION ON THE BENTHIC FORAMINIFERAL COMMUNITIES OF THE CHESAPEAKE GROUP, CALVERT CLIFFS, MD. , 2019, , .		0
83	SEA SURFACE TEMPERATURE PREFERENCES OF DENTOGLOBIGERINA ALTISPIRA DURING THE LATE PLIOCENE. , 2020, , .		0
84	PEAK WARMING DURING MARINE ISOTOPE STAGE 11 IN THE ARCTIC OCEAN BASED ON PLANKTIC FORAMINIFERA. , 2020, , .		0