Thomas Westerhold

List of Publications by Year
in descending order

79 papers	5,824 citations	101543 36 h-index	110387 64 g-index
135 all docs	135 docs citations	135 times ranked	4033 citing authors

#	Article	IF	Citations
1	Organic carbon burial in Mediterranean sapropels intensified during Green Sahara Periods since 3.2 Myr ago. Communications Earth & Environment, 2022, 3, .	6.8	15
2	Neogene Mass Accumulation Rate of Carbonate Sediment Across Northern Zealandia, Tasman Sea, Southwest Pacific. Paleoceanography and Paleoclimatology, 2022, 37, e2021PA004294.	2.9	8
3	Eastern Atlantic deep-water circulation and carbon storage inferred from neodymium and carbon isotopic compositions over the past 1.1 million years. Quaternary Science Reviews, 2021, 252, 106752.	3.0	4
4	Benthoâ€Pelagic Decoupling: The Marine Biological Carbon Pump During Eocene Hyperthermals. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004053.	2.9	12
5	Biotic Response to Early Eocene Warming Events: Integrated Record From Offshore Zealandia, North Tasman Sea. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004179.	2.9	4
6	Early-warning signals for Cenozoic climate transitions. Quaternary Science Reviews, 2021, 270, 107177.	3.0	11
7	Climate, cryosphere and carbon cycle controls on Southeast Atlantic orbital-scale carbonate deposition since the Oligocene (30â€“0â€‰Ma). Climate of the Past, 2021, 17, 2091-2117.	3.4	16
8	An astronomically dated record of Earthâ€™s climate and its predictability over the last 66 million years. Science, 2020, 369, 1383-1387.	12.6	791
9	The Late Lutetian Thermal Maximum (middle Eocene): first record of deep-sea benthic foraminiferal response. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 545, 109637.	2.3	14
10	Continental-scale geographic change across Zealandia during Paleogene subduction initiation. Geology, 2020, 48, 419-424.	4.4	69
11	On impact and volcanism across the Cretaceous-Paleogene boundary. Science, 2020, 367, 266-272.	12.6	178
12	The DeepMIP contribution to PMIP4: methodologies for selection, compilation and analysis of latest Paleocene and early Eocene climate proxy data, incorporating version 0.1 of the DeepMIP database. Geoscientific Model Development, 2019, 12, 3149-3206.	3.6	131
13	Astronomical Time Keeping of Earth History: An Invaluable Contribution of Scientific Ocean Drilling. Oceanography, 2019, 32, 72-76.	1.0	7
14	A Highâ€Fidelity Benthic Stable Isotope Record of Late Cretaceousâ€“Early Eocene Climate Change and Carbonâ€Cycling. Paleoceanography and Paleoclimatology, 2019, 34, 672-691.	2.9	90
15	The Early to Middle Eocene Transition: An Integrated Calcareous Nannofossil and Stable Isotope Record From the Northwest Atlantic Ocean (Integrated Ocean Drilling Program Site U1410). Paleoceanography and Paleoclimatology, 2019, 34, 1913-1930.	2.9	17
16	Late Miocene to Holocene high-resolution eastern equatorial Pacific carbonate records: stratigraphy linked by dissolution and paleoproductivity. Climate of the Past, 2019, 15, 1715-1739.	3.4	21
17	Paleoenvironmental Changes at ODP Site 702 (South Atlantic): Anatomy of the Middle Eocene Climatic Optimum. Paleoceanography and Paleoclimatology, 2019, 34, 2047-2066.	2.9	18
18	Towards a robust and consistent middle Eocene astronomical timescale. Earth and Planetary Science Letters, 2018, 486, 94-107.	4.4	65

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19	Deciphering the State of the Late Miocene to Early Pliocene Equatorial Pacific. Paleoceanography and Paleoclimatology, 2018, 33, 246-263.	2.9	30
20	Late Lutetian Thermal Maximumâ€"Crossing a Thermal Threshold in Earth's Climate System?. Geochemistry, Geophysics, Geosystems, 2018, 19, 73-82.	2.5	29
21	A new high-resolution chronology for the late Maastrichtian warming event: Establishing robust temporal links with the onset of Deccan volcanism. Geology, 2018, 46, 147-150.	4.4	75
22	Global Extent of Early Eocene Hyperthermal Events: A New Pacific Benthic Foraminiferal Isotope Record From Shatsky Rise (ODP Site 1209). Paleoceanography and Paleoclimatology, 2018, 33, 626-642.	2.9	116
23	Reinforcing the North Atlantic backbone: revision and extension of the composite splice at ODP SiteÂ982. Climate of the Past, 2018, 14, 321-338.	3.4	19
24	Tropical Atlantic climate and ecosystem regime shifts during the Paleoceneâ€"Eocene Thermal Maximum. Climate of the Past, 2018, 14, 39-55.	3.4	38
25	Late Maastrichtian carbon isotope stratigraphy and cyclostratigraphy of the Newfoundland Margin (Site U1403, IODP Leg 342). Newsletters on Stratigraphy, 2018, 51, 245-260.	1.2	12
26	Synchronizing early Eocene deep-sea and continental records â€" cyclostratigraphic age models for the Bighorn Basin Coring Project drill cores. Climate of the Past, 2018, 14, 303-319.	3.4	39
27	Dynamics of sediment flux to a bathyal continental margin section through the Paleoceneâ€"Eocene Thermal Maximum. Climate of the Past, 2018, 14, 1035-1049.	3.4	26
28	Orbital-driven environmental changes recorded at ODP Site 959 (eastern equatorial Atlantic) from the Late Miocene to the Early Pleistocene. International Journal of Earth Sciences, 2017, 106, 1161-1174.	1.8	7
29	Orbital forcing of the Paleocene and Eocene carbon cycle. Paleoceanography, 2017, 32, 440-465.	3.0	45
30	A 3 million year index for North African humidity/aridity and the implication of potential pan-African Humid periods. Quaternary Science Reviews, 2017, 171, 100-118.	3.0	108
31	Late Miocene climate and time scale reconciliation: Accurate orbital calibration from a deep-sea perspective. Earth and Planetary Science Letters, 2017, 475, 254-266.	4.4	41
32	Revisiting the Ceara Rise, equatorial Atlantic Ocean: isotope stratigraphy of ODP Leg 154 from 0 to 5â€¯Ma. Climate of the Past, 2017, 13, 779-793.	3.4	58
33	Astronomical calibration of the Ypresian timescale: implications for seafloor spreading rates and the chaotic behavior of the solar system?. Climate of the Past, 2017, 13, 1129-1152.	3.4	90
34	Environmental perturbations at the early Eocene ETM2, H2, and I1 events as inferred by Tethyan calcareous plankton (Terche section, northeastern Italy). Paleoceanography, 2016, 31, 1225-1247.	3.0	26
35	An abyssal carbonate compensation depth overshoot in the aftermath of the Palaeoceneâ€"Eocene Thermal Maximum. Nature Geoscience, 2016, 9, 575-580.	12.9	73
36	Astronomical calibration of the geological timescale: closing the middle Eocene gap. Climate of the Past, 2015, 11, 1181-1195.	3.4	71

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37	Radiolarian stratigraphy near the Eoceneâ€“Oligocene boundary. Marine Micropaleontology, 2015, 116, 50-62.	1.2	6
38	Two massive, rapid releases of carbon during the onset of the Palaeoceneâ€“Eocene thermalÂmaximum. Nature Geoscience, 2015, 8, 44-47.	12.9	188
39	Orbitally tuned timescale and astronomical forcing in the middle Eocene to early Oligocene. Climate of the Past, 2014, 10, 955-973.	3.4	66
40	Astronomical calibration of the Danian stage (Early Paleocene) revisited: Settling chronologies of sedimentary records across the Atlantic and Pacific Oceans. Earth and Planetary Science Letters, 2014, 405, 119-131.	4.4	72
41	A high-resolution benthic stable-isotope record for the South Atlantic: Implications for orbital-scale changes in Late Paleoceneâ€“Early Eocene climate and carbon cycling. Earth and Planetary Science Letters, 2014, 401, 18-30.	4.4	130
42	Equatorial Pacific productivity changes near the Eoceneâ€Oligocene boundary. Paleoceanography, 2014, 29, 825-844.	3.0	27
43	Settling the Danian Astronomical Time Scale: A Prospective Global Unit Stratotype at Zumaia, Basque Basin. Springer Geology, 2014, , 191-195.	0.3	0
44	Revised Miocene splice, astronomical tuning and calcareous plankton biochronology of ODP Site 926 between 5 and 14.4Ma. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 369, 430-451.	2.3	53
45	Orbital pacing of Eocene climate during the Middle Eocene Climate Optimum and the chron C19r event: Missing link found in the tropical western Atlantic. Geochemistry, Geophysics, Geosystems, 2013, 14, 4811-4825.	2.5	53
46	A comparison of mm scale resolution techniques for element analysis in sediment cores. Journal of Analytical Atomic Spectrometry, 2012, 27, 1574.	3.0	23
47	A Cenozoic record of the equatorial Pacific carbonate compensation depth. Nature, 2012, 488, 609-614.	27.8	342
48	Time scale controversy: Accurate orbital calibration of the early Paleogene. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	118
49	Evidence for orbital forcing of dust accumulation during the early Paleogene greenhouse. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	10
50	A complete highâ€resolution Paleocene benthic stable isotope record for the central Pacific (ODP Site) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.0	149
51	Eocene global warming events driven by ventilation of oceanic dissolved organic carbon. Nature, 2011, 471, 349-352.	27.8	236
52	Tempo and scale of late Paleocene and early Eocene carbon isotope cycles: Implications for the origin of hyperthermals. Earth and Planetary Science Letters, 2010, 299, 242-249.	4.4	256
53	High resolution cyclostratigraphy of the early Eocene â€“ new insights into the origin of the Cenozoic cooling trend. Climate of the Past, 2009, 5, 309-327.	3.4	101
54	Latest on the absolute age of the Paleoceneâ€“Eocene Thermal Maximum (PETM): New insights from exact stratigraphic position of key ash layers + 19 and â˜’ 17. Earth and Planetary Science Letters, 2009, 287, 412-419.	4.4	140

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55	Astronomical calibration of the Paleocene time. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 257, 377-403.	2.3	259
56	Evolution of tropical watersheds and continental hydrology during the Late Cretaceous greenhouse; impact on marine carbon burial and possible implications for the future. Earth and Planetary Science Letters, 2008, 274, 1-13.	4.4	26
57	The Cenomanian Turonian of the Wunstorf section (North Germany): global stratigraphic reference section and new orbital time scale for Oceanic Anoxic Event 2. Newsletters on Stratigraphy, 2008, 43, 65-89.	1.2	163
58	Astronomical ages for Miocene polarity chrons C4Arâ€“C5r (9.3â€“11.2ÂMa), and for three excursion chrons within C5n.2n. Earth and Planetary Science Letters, 2007, 256, 455-465.	4.4	16
59	On the duration of magnetochrons C24r and C25n and the timing of early Eocene global warming events: Implications from the Ocean Drilling Program Leg 208 Walvis Ridge depth transect. Paleoceanography, 2007, 22, .	3.0	183
60	Variations in the strontium isotope composition of seawater during the Paleocene and early Eocene from ODP Leg 208 (Walvis Ridge). Geochemistry, Geophysics, Geosystems, 2007, 8, .	2.5	45
61	On the duration of the Paleoceneâ€Eocene thermal maximum (PETM). Geochemistry, Geophysics, Geosystems, 2007, 8, .	2.5	318
62	High-resolution nannofossil biochronology of middle Paleocene to early Eocene at ODP Site 1262: Implications for calcareous nannoplankton evolution. Marine Micropaleontology, 2007, 64, 215-248.	1.2	104
63	Middle to late Miocene oxygen isotope stratigraphy of ODP site 1085 (SE Atlantic): new constrains on Miocene climate variability and sea-level fluctuations. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 217, 205-222.	2.3	176
64	ODP Site 1092: revised composite depth section has implications for Upper Miocene â€˜cryptochronsâ€™. Geophysical Journal International, 2004, 156, 195-199.	2.4	24
65	Bighorn Basin Coring Project (BBCP): a continental perspective on early Paleogene hyperthermals. Scientific Drilling, 0, 16, 21-31.	0.6	18
66	Expedition 371 summary. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	10
67	Expedition 371 methods. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	14
68	Site U1507. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	4
69	Site U1508. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	5
70	Site U1509. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	4
71	Site U1510. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2
72	Site U1511. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2

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73	Revised composite depth scales and integration of IODP Sites U1331Â–U1334 and ODP Sites 1218Â–1220. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	33
74	Data report: raw and normalized elemental data along the Site U1338 splice from X-ray fluorescence scanning. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	25
75	Data report: volcanic glass shards from the EoceneÂ–Oligocene transition interval at Site U1333. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	3
76	Data Report: Revised Composite Depth Records for Shatsky Rise Sites 1209, 1210, and 1211. , 0, , .		16
77	Site U1506. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	2
78	Data report: composite depth scale and splice revision for IODP Site U1488 (Expedition 363 Western) Tj ETQq0 0 0 rgBT /Overlock 10 T Ocean Discovery Program, 0, , .	0.0	0
79	Data report: splice adjustment for Site U1553. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	1