Peter K Bijl

List of Publications by Year
in descending order

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68 papers	3,371 citations	201674 27 h-index	155660 55 g-index
85 all docs	85 docs citations	85 times ranked	2702 citing authors

#	Article	IF	Citations
1	A Paleolatitude Calculator for Paleoclimate Studies. PLoS ONE, 2015, 10, e0126946.	2.5	376
2	Early Palaeogene temperature evolution of the southwest Pacific Ocean. Nature, 2009, 461, 776-779.	27.8	325
3	Persistent near-tropical warmth on the Antarctic continent during the early Eocene epoch. Nature, 2012, 488, 73-77.	27.8	266
4	Dynamic behaviour of the East Antarctic ice sheet during Pliocene warmth. Nature Geoscience, 2013, 6, 765-769.	12.9	219
5	Eocene cooling linked to early flow across the Tasmanian Gateway. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9645-9650.	7.1	204
6	Synchronous tropical and polar temperature evolution in the Eocene. Nature, 2018, 559, 382-386.	27.8	185
7	Transient Middle Eocene Atmospheric CO ₂ and Temperature Variations. Science, 2010, 330, 819-821.	12.6	179
8	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
9	Reorganization of Southern Ocean Plankton Ecosystem at the Onset of Antarctic Glaciation. Science, 2013, 340, 341-344.	12.6	97
10	The role of ocean gateways on cooling climate on long time scales. Global and Planetary Change, 2014, 119, 1-22.	3.5	80
11	Southern Ocean warming and Wilkes Land ice sheet retreat during the mid-Miocene. Nature Communications, 2018, 9, 317.	12.8	80
12	A magneto- and chemostratigraphically calibrated dinoflagellate cyst zonation of the early Palaeogene South Pacific Ocean. Earth-Science Reviews, 2013, 124, 1-31.	9.1	72
13	Environmental forcings of Paleogene Southern Ocean dinoflagellate biogeography. Paleoceanography, 2011, 26, .	3.0	71
14	A middle Eocene carbon cycle conundrum. Nature Geoscience, 2013, 6, 429-434.	12.9	68
15	Relative sea-level rise around East Antarctica during Oligocene glaciation. Nature Geoscience, 2013, 6, 380-384.	12.9	63
16	Late Eocene Southern Ocean Cooling and Invigoration of Circulation Preconditioned Antarctica for Fullâ€Scale Glaciation. Geochemistry, Geophysics, Geosystems, 2019, 20, 2214-2234.	2.5	55
17	Early to Middle Eocene vegetation dynamics at the Wilkes Land Margin (Antarctica). Review of Palaeobotany and Palynology, 2013, 197, 119-142.	1.5	54
18	Organic-rich sedimentation in the South Pacific Ocean associated with Late Paleocene climatic cooling. Earth-Science Reviews, 2014, 134, 81-97.	9.1	50

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19	Growing Azolla to produce sustainable protein feed: the effect of differing species and CO₂ concentrations on biomass productivity and chemical composition. Journal of the Science of Food and Agriculture, 2018, 98, 4759-4768.	3.5	48
20	Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica â€“ Part 3: Insights from Oligoceneâ€“Miocene TEX₈₆-based sea surface temperature reconstructions. Climate of the Past, 2018, 14, 1275-1297.	3.4	42
21	Reconstructing geographical boundary conditions for palaeoclimate modelling during the Cenozoic. Climate of the Past, 2016, 12, 1635-1644.	3.4	41
22	Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica â€“ Part 2: Insights from Oligoceneâ€“Miocene dinoflagellate cyst assemblages. Climate of the Past, 2018, 14, 1015-1033.	3.4	41
23	Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica â€“ Part 1: Insights from late Oligocene astronomically paced contourite sedimentation. Climate of the Past, 2018, 14, 991-1014.	3.4	40
24	Subduction initiation in the Scotia Sea region and opening of the Drake Passage: When and why?. Earth-Science Reviews, 2021, 215, 103551.	9.1	40
25	An Antarctic stratigraphic record of stepwise ice growth through the Eocene-Oligocene transition. Bulletin of the Geological Society of America, 2017, 129, 318-330.	3.3	35
26	The middle to late Eocene greenhouse climate modelled using the CESM 1.0.5. Climate of the Past, 2020, 16, 2573-2597.	3.4	34
27	Transport Bias by Ocean Currents in Sedimentary Microplankton Assemblages: Implications for Paleoceanographic Reconstructions. Paleoceanography and Paleoclimatology, 2019, 34, 1178-1194.	2.9	32
28	Stratigraphic calibration of Oligoceneâ€“Miocene organic-walled dinoflagellate cysts from offshore Wilkes Land, East Antarctica, and a zonation proposal. Journal of Micropalaeontology, 2018, 37, 105-138.	3.6	32
29	Gateway-driven weakening of ocean gyres leads to Southern Ocean cooling. Nature Communications, 2021, 12, 6465.	12.8	32
30	Malvinia escutiana, a new biostratigraphically important Oligocene dinoflagellate cyst from the Southern Ocean. Review of Palaeobotany and Palynology, 2011, 165, 175-182.	1.5	26
31	Orbitally forced climate changes in the Tasman sector during the Middle Eocene. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 280, 361-370.	2.3	23
32	Harmful algae and export production collapse in the equatorial Atlantic during the zenith of Middle Eocene Climatic Optimum warmth. Geology, 2019, 47, 247-250.	4.4	21
33	Identification of the Paleoceneâ€“Eocene boundary in coastal strata in the Otway Basin, Victoria, Australia. Journal of Micropalaeontology, 2018, 37, 317-339.	3.6	21
34	Model simulations of early westward flow across the Tasman Gateway during the early Eocene. Climate of the Past, 2016, 12, 807-817.	3.4	20
35	Late Oligocene-Miocene proto-Antarctic Circumpolar Current dynamics off the Wilkes Land margin, East Antarctica. Global and Planetary Change, 2020, 191, 103221.	3.5	20
36	Comment on â€˜Wetzeliella and its allies â€“ the â€˜holeâ€™ story: a taxonomic revision of the Paleogene dinoflagellate subfamily Wetzelielloideaeâ€™ by Williams et al. (2015). Palynology, 2017, 41, 423-429.	1.5	19

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37	Resolution dependency of sinking Lagrangian particles in ocean general circulation models. PLoS ONE, 2020, 15, e0238650.	2.5	18
38	Surface-circulation change in the southwest Pacific Ocean across the Middle Eocene Climatic Optimum: inferences from dinoflagellate cysts and biomarker paleothermometry. Climate of the Past, 2020, 16, 1667-1689.	3.4	17
39	A new quantitative approach to identify reworking in Eocene to Miocene pollen records from offshore Antarctica using red fluorescence and digital imaging. Biogeosciences, 2017, 14, 2089-2100.	3.3	14
40	A review of the ecological affinities of marine organic microfossils from a Holocene record offshore of AdÃ©lie Land (East Antarctica). Journal of Micropalaeontology, 2018, 37, 445-497.	3.6	14
41	Maastrichtianâ€“Rupelian paleoclimates in the southwest Pacific â€“ a critical re-evaluation of biomarker paleothermometry and dinoflagellate cyst paleoecology at Ocean Drilling Program Site 1172. Climate of the Past, 2021, 17, 2393-2425.	3.4	14
42	The Central Paratethys during Oligocene as an ancient counterpart of the present-day Black Sea: Unique records from the coccolith limestones. Marine Geology, 2018, 403, 301-328.	2.1	13
43	A Warm, Stratified, and Restricted Labrador Sea Across the Middle Eocene and Its Climatic Optimum. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA003932.	2.9	12
44	Campanian-Eocene dinoflagellate cyst biostratigraphy in the Southern Andean foreland basin: Implications for Drake Passage throughflow. Andean Geology, 2021, 48, 185.	0.5	11
45	Vegetation change across the Drake Passage region linked to late Eocene cooling and glacial disturbance after the Eoceneâ€“Oligocene transition. Climate of the Past, 2022, 18, 209-232.	3.4	11
46	DINOSTRAT: a global database of the stratigraphic and paleolatitudinal distribution of Mesozoicâ€“Cenozoic organic-walled dinoflagellate cysts. Earth System Science Data, 2022, 14, 579-617.	9.9	10
47	Temperate Oligocene surface ocean conditions offshore of Cape Adare, Ross Sea, Antarctica. Climate of the Past, 2021, 17, 1423-1442.	3.4	9
48	Late Eoceneâ€“early Miocene evolution of the southern Australian subtropical front: a marine palynological approach. Journal of Micropalaeontology, 2021, 40, 175-193.	3.6	9
49	Absence of a strong, deep-reaching Antarctic Circumpolar Current zonal flow across the Tasmanian gateway during the Oligocene to early Miocene. Global and Planetary Change, 2022, 208, 103718.	3.5	9
50	Eocene-Oligocene paleoenvironmental changes in the South Orkney Microcontinent (Antarctica) linked to the opening of Powell Basin. Global and Planetary Change, 2021, 204, 103581.	3.5	8
51	Eocene to Oligocene vegetation and climate in the Tasmanian Gateway region were controlled by changes in ocean currents and <i>p</i>CO₂. Climate of the Past, 2022, 18, 525-546.	3.4	6
52	The age of the Takatika Grit, Chatham Islands, New Zealand. Alcheringa, 2017, 41, 383-396.	1.2	5
53	The Eocene-Oligocene boundary climate transition: an Antarctic perspective. , 2022, , 297-361.		4
54	Nucicla umbiliphora gen. et sp. nov.: a Quaternary peridinioid dinoflagellate cyst from the Antarctic margin. Palynology, 2019, 43, 94-103.	1.5	3

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55	Enhanced Terrestrial Carbon Export From East Antarctica During the Early Eocene. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	3
56	Sedimentary microplankton distributions are shaped by oceanographically connected areas. Earth System Dynamics, 2022, 13, 357-371.	7.1	3
57	A new genus and two new species of dinoflagellate cysts from lower Eocene marine sediments of the Wilkes Land Margin, Antarctica. Review of Palaeobotany and Palynology, 2015, 220, 88-97.	1.5	2
58	(2450â€“2451) Proposals to conserve the names Selenopemphix against Margosphaera, and S. nephroides against M. velata (Dinophyceae). Taxon, 2016, 65, 636-637.	0.7	2
59	Developing community-based scientific priorities and new drilling proposals in the southern Indian and southwestern Pacific oceans. Scientific Drilling, 0, 24, 61-70.	0.6	2
60	Significant continental ice volumes on mid-Paleocene Antarctica? Latitudinal temperature gradients, sea level change and the carbon cycle. Rendiconti Online Societa Geologica Italiana, 0, 31, 31-32.	0.3	0
61	Is there a causal link between early Eocene opening of the Tasmanian Gateway and the onset of Eocene cooling?. Rendiconti Online Societa Geologica Italiana, 0, 31, 29-30.	0.3	0
62	Climate and oceanography of the Tasmanian Gateway during the Middle Eocene Climatic Optimum (MECO). Rendiconti Online Societa Geologica Italiana, 0, 31, 226-227.	0.3	0
63	Resolution dependency of sinking Lagrangian particles in ocean general circulation models. , 2020, 15, e0238650.		0
64	Resolution dependency of sinking Lagrangian particles in ocean general circulation models. , 2020, 15, e0238650.		0
65	Resolution dependency of sinking Lagrangian particles in ocean general circulation models. , 2020, 15, e0238650.		0
66	Resolution dependency of sinking Lagrangian particles in ocean general circulation models. , 2020, 15, e0238650.		0
67	Resolution dependency of sinking Lagrangian particles in ocean general circulation models. , 2020, 15, e0238650.		0
68	Resolution dependency of sinking Lagrangian particles in ocean general circulation models. , 2020, 15, e0238650.		0