Paul R Bown

List of Publications by Year
in descending order

110 papers	8,257 citations	57758 44 h-index	51608 86 g-index
117 all docs	117 docs citations	117 times ranked	6573 citing authors

#	Article	IF	Citations
1	The Chicxulub Asteroid Impact and Mass Extinction at the Cretaceous-Paleogene Boundary. Science, 2010, 327, 1214-1218.	12.6	1,140
2	Timing of Indiaâ€Asia collision: Geological, biostratigraphic, and palaeomagnetic constraints. Journal of Geophysical Research, 2010, 115, .	3.3	505
3	Are we now living in the Anthropocene. GSA Today, 2008, 18, 4.	2.0	480
4	A Cenozoic record of the equatorial Pacific carbonate compensation depth. Nature, 2012, 488, 609-614.	27.8	342
5	Coccolith Ultrastructure and Biomineralisation. Journal of Structural Biology, 1999, 126, 195-215.	2.8	277
6	The Cretaceous-Tertiary biotic transition. Journal of the Geological Society, 1997, 154, 265-292.	2.1	247
7	Calcareous Nannofossil Biostratigraphy. , 1998, , .		246
8	Crystal assembly and phylogenetic evolution in heterococcoliths. Nature, 1992, 356, 516-518.	27.8	206
9	Shelf and open-ocean calcareous phytoplankton assemblages across the Paleocene-Eocene Thermal Maximum: Implications for global productivity gradients. Geology, 2006, 34, 233.	4.4	204
10	Why marine phytoplankton calcify. Science Advances, 2016, 2, e1501822.	10.3	181
11	On impact and volcanism across the Cretaceous-Paleogene boundary. Science, 2020, 367, 266-272.	12.6	178
12	Nannoplankton Extinction and Origination Across the Paleocene-Eocene Thermal Maximum. Science, 2006, 314, 1770-1773.	12.6	171
13	Calcareous nannoplankton evolution and diversity through time. , 2004, , 481-508.		162
14	Evidence for global cooling in the Late Cretaceous. Nature Communications, 2014, 5, 4194.	12.8	162
15	Stratigraphy of the Anthropocene. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1036-1055.	3.4	156
16	Extinction and environmental change across the Eocene-Oligocene boundary in Tanzania. Geology, 2008, 36, 179.	4.4	140
17	Integrated stratigraphy across the Aptian-Albian boundary in the Marnes Bleues, at the Col de PrÃ©-Guittard, Arnayon (DrÃ´me), and at Tartonne (Alpes-de-Haute-Provence), France: a candidate Global Boundary Stratotype Section and Boundary Point for the base of the Albian Stage. Cretaceous Research, 2000, 21, 591-720.	1.4	134
18	High sea-surface temperatures during the Early Cretaceous Epoch. Nature Geoscience, 2011, 4, 169-172.	12.9	134

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19	Palaeobiogeography of Early Cretaceous (Berriasianâ€“Barremian) calcareous nannoplankton. Marine Micropaleontology, 2000, 39, 265-291.	1.2	120
20	The Global Stratotype Sections and Point (GSSP) for the base of the Jurassic System at Kuhjoch (Karwendel Mountains, Northern Calcareous Alps, Tyrol, Austria). Episodes, 2013, 36, 162-198.	1.2	115
21	The uppermost Middle and Upper Albian succession at the Col de Palluel, Hautes-Alpes, France: An integrated study (ammonites, inoceramid bivalves, planktonic foraminifera, nannofossils,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 59-130.	1.4	107
22	Calcareous nannofossils in extreme environments: The Messinian Salinity Crisis, Polemi Basin, Cyprus. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 233, 271-286.	2.3	106
23	Selective calcareous nannoplankton survivorship at the Cretaceous-Tertiary boundary. Geology, 2005, 33, 653-656.	4.4	101
24	The trophic structure of the biota of the Peterborough Member, Oxford Clay Formation (Jurassic), UK. Journal of the Geological Society, 1994, 151, 173-194.	2.1	88
25	Stratigraphy and sedimentology of the Upper Cretaceous to Paleogene Kilwa Group, southern coastal Tanzania. Journal of African Earth Sciences, 2006, 45, 431-466.	2.0	77
26	Species-specific growth response of coccolithophores to Palaeoceneâ€“Eocene environmental change. Nature Geoscience, 2013, 6, 218-222.	12.9	77
27	Problems with proxies? Cautionary tales of calcareous nannofossil paleoenvironmental indicators. Micropaleontology, 2005, 51, 333-343.	1.0	76
28	Calcareous plankton evolution and the Paleocene/Eocene thermal maximum event: New evidence from Tanzania. Marine Micropaleontology, 2009, 71, 60-70.	1.2	74
29	Calcareous nannoplankton evolution: a tale of two oceans. Micropaleontology, 2005, 51, 299-308.	1.0	71
30	Major shifts in calcareous phytoplankton assemblages through the Eoceneâ€Oligocene transition of Tanzania and their implications for lowâ€latitude primary production. Paleoceanography, 2008, 23, .	3.0	71
31	Selective calcareous nannoplankton survivorship at the Cretaceous-Tertiary boundary. Geology, 2005, 33, 653.	4.4	69
32	Evidence for annual records of phytoplankton productivity in the Kimmeridge Clay Formation coccolith stone bands (Upper Jurassic, Dorset, UK). Marine Micropaleontology, 2004, 52, 29-49.	1.2	67
33	Recognition of alkenones in a lower Aptian porcellanite from the west-central Pacific. Organic Geochemistry, 2004, 35, 181-188.	1.8	66
34	Paleogene and Cretaceous sediment cores from the Kilwa and Lindi areas of coastal Tanzania: Tanzania Drilling Project Sites 1â€“5. Journal of African Earth Sciences, 2004, 39, 25-62.	2.0	65
35	Ocean acidification and surface water carbonate production across the Paleoceneâ€“Eocene thermal maximum. Earth and Planetary Science Letters, 2010, 295, 583-592.	4.4	64
36	Extreme warming of tropical waters during the Paleoceneâ€“Eocene Thermal Maximum. Geology, 2014, 42, 739-742.	4.4	62

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37	A Paleogene calcareous microfossil Konservat-Lagerstatte from the Kilwa Group of coastal Tanzania. Bulletin of the Geological Society of America, 2008, 120, 3-12.	3.3	60
38	A Calcareous Nannofossil Biozonation Scheme for the early to mid Mesozoic. Newsletters on Stratigraphy, 1988, 20, 91-114.	1.2	59
39	Pforams@microtax: A new online taxonomic database for planktonic foraminifera. Micropaleontology, 2017, 62, 429-438.	1.0	57
40	Coccolithophore calcification response to past ocean acidification and climate change. Nature Communications, 2014, 5, 5363.	12.8	56
41	Ecological Response of Plankton to Environmental Change: Thresholds for Extinction. Annual Review of Earth and Planetary Sciences, 2020, 48, 403-429.	11.0	55
42	The Global Boundary Stratotype Section and Point (GSSP) for the base of the Albian Stage, of the Cretaceous, the Col de PrÃ©-Guittard section, Arnayon, DrÃ´me, France. Episodes, 2017, 40, 177-188.	1.2	55
43	Lower Cretaceous calcareous nannoplankton from the NeuquÃ©n Basin, Argentina. Marine Micropaleontology, 2004, 52, 51-84.	1.2	49
44	Ocean warming, not acidification, controlled coccolithophore response during past greenhouse climate change. Geology, 2016, 44, 59-62.	4.4	49
45	Diversity decoupled from ecosystem function and resilience during mass extinction recovery. Nature, 2019, 574, 242-245.	27.8	49
46	The Maastrichtian record from Shatsky Rise (northwest Pacific): A tropical perspective on global ecological and oceanographic changes. Paleoceanography, 2005, 20, n/a-n/a.	3.0	48
47	Integrated stratigraphy across the Aptian/Albian boundary at Col de PrÃ©-Guittard (southeast France): A candidate Global Boundary Stratotype Section. Cretaceous Research, 2014, 51, 248-259.	1.4	48
48	Coccolith biomineralisation studied with atomic force microscopy. Palaeontology, 2004, 47, 725-743.	2.2	47
49	Late Maastrichtian warming in the Boreal Realm: Calcareous nannofossil evidence from Denmark. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 295, 55-75.	2.3	44
50	Scaled biotic disruption during early Eocene global warming events. Biogeosciences, 2012, 9, 4679-4688.	3.3	44
51	Fluctuations in biosiliceous production and the generation of Early Cretaceous oceanic anoxic events in the Pacific Ocean (Shatsky Rise, Ocean Drilling Program Leg 198). Paleoceanography, 2004, 19, n/a-n/a.	3.0	42
52	Tailoring calcite: Nanoscale AFM of coccolith biocrystals. American Mineralogist, 2003, 88, 2040-2044.	1.9	41
53	Insensitivity of alkenone carbon isotopes to atmospheric CO₂ at low to moderate CO₂ levels. Climate of the Past, 2019, 15, 539-554.	3.4	40
54	Photic zone palaeoenvironments of the Kimmeridge Clay Formation (Upper Jurassic, UK) suggested by calcareous nannoplankton palaeoecology. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 235, 110-134.	2.3	38

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55	Locating earliest records of orogenesis in western Himalaya: Evidence from Paleogene sediments in the Iranian Makran region and Pakistan Katawaz basin. Geology, 2010, 38, 807-810.	4.4	38
56	Biometric analysis of Pliensbachian-Toarcian (Lower Jurassic) coccoliths of the family Biscutaceae: intra- and interspecific variability versus palaeoenvironmental influence. Marine Micropaleontology, 2004, 52, 5-27.	1.2	37
57	Significance of Upper Triassic nannofossils from the Southern Hemisphere (ODP Leg 122, Wombat) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	35
58	Lithostratigraphy, biostratigraphy and chemostratigraphy of Upper Cretaceous sediments from southern Tanzania: Tanzania drilling project sites 21â€"26. Journal of African Earth Sciences, 2010, 57, 47-69.	2.0	34
59	GSSPs, global stratigraphy and correlation. Geological Society Special Publication, 2015, 404, 37-67.	1.3	31
60	Early Jurassic North Atlantic seaâ€surface temperatures from <scp>TEX</scp>₈₆ palaeothermometry. Sedimentology, 2017, 64, 215-230.	3.1	31
61	Further Paleogene and Cretaceous sediment cores from the Kilwa area of coastal Tanzania: Tanzania Drilling Project Sites 6â€"10. Journal of African Earth Sciences, 2006, 45, 279-317.	2.0	30
62	Lower Cretaceous (Berriasian-Aptian) biostratigraphy of the NeuquÃ©n Basin. Geological Society Special Publication, 2005, 252, 57-81.	1.3	28
63	Did Late Cretaceous cooling trigger the Campanianâ€"Maastrichtian Boundary Event?. Newsletters on Stratigraphy, 2018, 51, 145-166.	1.2	28
64	Exceptionally well preserved upper Eocene to lower Oligocene calcareous nannofossils (Prymnesiophyceae) from the Pande Formation (Kilwa Group), Tanzania. Journal of Systematic Palaeontology, 2009, 7, 359-411.	1.5	26
65	Lithostratigraphy, biostratigraphy and chemostratigraphy of Upper Cretaceous and Paleogene sediments from southern Tanzania: Tanzania Drilling Project Sites 27â€"35. Journal of African Earth Sciences, 2012, 70, 36-57.	2.0	24
66	Re-discovery of a â€œliving fossilâ€•coccolithophore from the coastal waters of Japan and Croatia. Marine Micropaleontology, 2015, 116, 28-37.	1.2	24
67	New Calcareous Nannofossil taxa from the Jurassic. Journal of Micropalaeontology, 1989, 8, 91-96.	3.6	23
68	Physiology regulates the relationship between coccosphere geometry and growth phase in coccolithophores. Biogeosciences, 2017, 14, 1493-1509.	3.3	23
69	Trace metal (Mg/Ca and Sr/Ca) analyses of single coccoliths by Secondary Ion Mass Spectrometry. Geochimica Et Cosmochimica Acta, 2014, 146, 90-106.	3.9	22
70	Algal plankton turn to hunting to survive and recover from end-Cretaceous impact darkness. Science Advances, 2020, 6, .	10.3	22
71	The Lindi Formation (upper Albianâ€"Coniacian) and Tanzania Drilling Project Sites 36â€"40 (Lower) Tj ETQq1 1 0.784314 rgBT /Overlo African Earth Sciences, 2015, 101, 282-308.	2.0	20
72	Exceptionally well-preserved Cretaceous microfossils reveal new biomineralization styles. Nature Communications, 2013, 4, 2052.	12.8	19

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73	A new age model for the middle Eocene deep-marine Ainsa Basin, Spanish Pyrenees. Earth-Science Reviews, 2015, 144, 10-22.	9.1	19
74	Global record of â€œghostâ€•nannofossils reveals plankton resilience to high CO ₂ and warming. Science, 2022, 376, 853-856.	12.6	19
75	Warm plankton soup and red herrings: calcareous nannoplankton cellular communities and the Palaeoceneâ€“Eocene Thermal Maximum. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170075.	3.4	18
76	Early to Mid-Cretaceous Calcareous Nannoplankton from the Northwest Pacific Ocean, Leg 198, Shatsky Rise. , 0, , .		18
77	Paleoproductivity, ventilation, and organic carbon burial in the Santa Barbara Basin (ODP Site 893, off) Tj ETQq1 1 0.784314 rgBT /Over	3.0	17
78	The biostratigraphy of the Upper Pliensbachian-Toarcian (Lower Jurassic) sequence at Ilminster, Somerset. Journal of Micropalaeontology, 2009, 28, 67-85.	3.6	17
79	The response of calcifying plankton to climate change in the Pliocene. Biogeosciences, 2013, 10, 6131-6139.	3.3	17
80	Responseâ€”Cretaceous Extinctions. Science, 2010, 328, 975-976.	12.6	16
81	Comment on â€œCalcareous Nannoplankton Response to Surface-Water Acidification Around Oceanic Anoxic Event 1aâ€. Science, 2011, 332, 175-175.	12.6	16
82	Calcareous nannoplankton and global climate change. , 2000, , 35-50.		13
83	Muted calcareous nannoplankton response at the Middle/Late Eocene Turnover event in the western North Atlantic Ocean. Newsletters on Stratigraphy, 2017, 50, 297-309.	1.2	12
84	New composite bio- and isotope stratigraphies spanning the Middle Eocene Climatic Optimum at tropical ODP Site 865 in the Pacific Ocean. Journal of Micropalaeontology, 2020, 39, 117-138.	3.6	12
85	Critical events in the evolutionary history of calcareous Nannoplankton. Historical Biology, 1991, 5, 279-290.	1.4	11
86	Late Triassic-Early Jurassic Calcareous Nannofossils of the Queen Charlotte Islands, British Columbia. Journal of Micropalaeontology, 1992, 11, 177-188.	3.6	11
87	Post-sampling dissolution and the consistency of nannofossil diversity measures: A case study from freshly cored sediments of coastal Tanzania. Marine Micropaleontology, 2007, 62, 254-268.	1.2	10
88	Biometry of Upper Cretaceous (Cenomanianâ€“Maastrichtian) coccolithsÂâ€“Âa record of long-term stability and interspecies size shifts. Revue De Micropaleontologie, 2014, 57, 125-140.	0.4	9
89	Orbitally Forced Hyperstratification of the Oligocene South Atlantic Ocean. Paleoceanography and Paleoclimatology, 2018, 33, 511-529.	2.9	9
90	Cenozoic Calcareous Nannofossil Biostratigraphy, ODP Leg 198 Site 1208 (Shatsky Rise, Northwest) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		9

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91	A brief warming event in the late Albian: evidence from calcareous nannofossils, macrofossils, and isotope geochemistry of the Gault Clay Formation, Folkestone, southeastern England. Journal of Micropalaeontology, 2018, 37, 231-247.	3.6	9
92	A PALAEOGENE RECORD OF EXTANT LOWER PHOTIC ZONE CALCAREOUS NANNOPLANKTON. Palaeontology, 2009, 52, 457-469.	2.2	8
93	Eocene to Oligocene high paleolatitude neritic record of Oi-1 glaciation in the Otway Basin southeast Australia. Global and Planetary Change, 2020, 191, 103218.	3.5	8
94	Calcareous nannofossil biostratigraphy of an outcrop section of Aptian sediments of west-central Portugal (Lusitanian Basin). Journal of Micropalaeontology, 2009, 28, 153-160.	3.6	7
95	Calcareous nannofossils of the Gault, Upper Greensand and Glauconitic Marl (Middle Albian-Lower) Tj ETQq1 1 0.784314 rgBT /Overlock Association, 2001, 112, 223-236.	1.1	6
96	An offset in TEX86 values between interbedded lithologies: Implications for sea-surface temperature reconstructions. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 399, 42-51.	2.3	3
97	Middle Eocene large coccolithaceans: Biostratigraphic implications and paleoclimatic clues. Marine Micropaleontology, 2020, 154, 101812.	1.2	3
98	Biotic and stable-isotope characterization of the Toarcian Ocean Anoxic Event through a carbonateâ€“clastic sequence from Somerset, UK. Geological Society Special Publication, 2021, 514, 239-268.	1.3	3
99	The status of subseries/subepochs for the Paleocene to Holocene: Recommendations to authors and editors. Episodes, 2017, 40, 2-4.	1.2	3
100	Cretaceous (Albian-Turonian) calcareous nannofossil biostratigraphy of the onshore Cauvery Basin, southeastern India. Cretaceous Research, 2021, 118, 104644.	1.4	2
101	A revised age-model for the Eocene deep-marine siliciclastic systems, AÃnsa Basin, Spanish Pyrenees. Journal of the Geological Society, 2021, 178, .	2.1	1
102	The evolution of Eocene (Ypresian/Lutetian) sphenoliths: biostratigraphic implications and paleoceanographic significance from North Atlantic Site IODP U1410. Newsletters on Stratigraphy, 2021, 54, 405-431.	1.2	1
103	Calcareous nannofossil palaeoecology and palaeoceanographic reconstruction. Marine Micropaleontology, 2004, 52, 1-3.	1.2	0
104	Jake Hancock: reminiscences. Proceedings of the Geologists Association, 2006, 117, 125-127.	1.1	0
105	On the Cretaceous origin of the Order Syracosphaerales and the genusSyracosphaera. Journal of Micropalaeontology, 2017, , jmpaleo2016-001.	3.6	0
106	Stratigraphy around the Cretaceous-Paleogene boundary in sediment cores from the Lord Howe Rise, Southwest Pacific. Bulletin of the Geological Society of America, 2022, 134, 1603-1613.	3.3	0
107	Resolving Eocene time and palaeoceanography in exceptional detail: an update on IODP Expedition 342, Newfoundland Ridge. Rendiconti Online Societa Geologica Italiana, 0, 31, 115-116.	0.3	0
108	Calcareous nannoplankton response at the culmination of the Paleogene greenhouse world. Rendiconti Online Societa Geologica Italiana, 0, 31, 155-156.	0.3	0

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109	Cell geometry records the physiological responses of coccolithophores to Paleogene climate change. Rendiconti Online Societa Geologica Italiana, 0, 31, 199-200.	0.3	0
110	chapter 10 Coccolithophore Calcification Response to Past Ocean Acidification and Climate Change. , 2017, , 219-238.		0