

Paul R Bown

List of Publications by Year in descending order

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110
papers

8,257
citations

57758

44
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51608

86
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117
all docs

117
docs citations

117
times ranked

6573
citing authors

#	ARTICLE	IF	CITATIONS
1	Stratigraphy around the Cretaceous-Paleogene boundary in sediment cores from the Lord Howe Rise, Southwest Pacific. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 1603-1613.	3.3	0
2	Global record of <i>eoehost</i> nanofossils reveals plankton resilience to high CO ₂ and warming. <i>Science</i> , 2022, 376, 853-856.	12.6	19
3	A revised age-model for the Eocene deep-marine siliciclastic systems, Añsa Basin, Spanish Pyrenees. <i>Journal of the Geological Society</i> , 2021, 178, .	2.1	1
4	Cretaceous (Albian-Turonian) calcareous nanofossil biostratigraphy of the onshore Cauvery Basin, southeastern India. <i>Cretaceous Research</i> , 2021, 118, 104644.	1.4	2
5	Biotic and stable-isotope characterization of the Toarcian Ocean Anoxic Event through a carbonate-clastic sequence from Somerset, UK. <i>Geological Society Special Publication</i> , 2021, 514, 239-268.	1.3	3
6	The evolution of Eocene (Ypresian/Lutetian) sphenoliths: biostratigraphic implications and paleoceanographic significance from North Atlantic Site IODP U1410. <i>Newsletters on Stratigraphy</i> , 2021, 54, 405-431.	1.2	1
7	Middle Eocene large coccolithaceans: Biostratigraphic implications and paleoclimatic clues. <i>Marine Micropaleontology</i> , 2020, 154, 101812.	1.2	3
8	Algal plankton turn to hunting to survive and recover from end-Cretaceous impact darkness. <i>Science Advances</i> , 2020, 6, .	10.3	22
9	Eocene to Oligocene high paleolatitude neritic record of Oi-1 glaciation in the Otway Basin southeast Australia. <i>Global and Planetary Change</i> , 2020, 191, 103218.	3.5	8
10	On impact and volcanism across the Cretaceous-Paleogene boundary. <i>Science</i> , 2020, 367, 266-272.	12.6	178
11	Ecological Response of Plankton to Environmental Change: Thresholds for Extinction. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 403-429.	11.0	55
12	New composite bio- and isotope stratigraphies spanning the Middle Eocene Climatic Optimum at tropical ODP Site 865 in the Pacific Ocean. <i>Journal of Micropalaeontology</i> , 2020, 39, 117-138.	3.6	12
13	Diversity decoupled from ecosystem function and resilience during mass extinction recovery. <i>Nature</i> , 2019, 574, 242-245.	27.8	49
14	Insensitivity of alkenone carbon isotopes to atmospheric CO ₂ at low to moderate CO ₂ levels. <i>Climate of the Past</i> , 2019, 15, 539-554.	3.4	40
15	Warm plankton soup and red herrings: calcareous nannoplankton cellular communities and the Palaeocene Eocene Thermal Maximum. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170075.	3.4	18
16	Did Late Cretaceous cooling trigger the Campanian Maastrichtian Boundary Event?. <i>Newsletters on Stratigraphy</i> , 2018, 51, 145-166.	1.2	28
17	Orbitally Forced Hyperstratification of the Oligocene South Atlantic Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 511-529.	2.9	9
18	A brief warming event in the late Albian: evidence from calcareous nanofossils, microfossils, and isotope geochemistry of the Gault Clay Formation, Folkestone, southeastern England. <i>Journal of Micropalaeontology</i> , 2018, 37, 231-247.	3.6	9

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19	On the Cretaceous origin of the Order Syracosphaerales and the genus Syracosphaera. <i>Journal of Micropalaeontology</i> , 2017, , jmpaleo2016-001.	3.6	0
20	Early Jurassic North Atlantic sea surface temperatures from <sc>TEX</sc>₈₆ palaeothermometry. <i>Sedimentology</i> , 2017, 64, 215-230.	3.1	31
21	Physiology regulates the relationship between coccosphere geometry and growth phase in coccolithophores. <i>Biogeosciences</i> , 2017, 14, 1493-1509.	3.3	23
22	Muted calcareous nannoplankton response at the Middle/Late Eocene Turnover event in the western North Atlantic Ocean. <i>Newsletters on Stratigraphy</i> , 2017, 50, 297-309.	1.2	12
23	The status of subseries/subepochs for the Paleocene to Holocene: Recommendations to authors and editors. <i>Episodes</i> , 2017, 40, 2-4.	1.2	3
24	The Global Boundary Stratotype Section and Point (GSSP) for the base of the Albian Stage, of the Cretaceous, the Col de Pr�-Guittard section, Arnayon, Dr�me, France. <i>Episodes</i> , 2017, 40, 177-188.	1.2	55
25	chapter 10 Coccolithophore Calcification Response to Past Ocean Acidification and Climate Change. , 2017, , 219-238.		0
26	Pforams@microtax: A new online taxonomic database for planktonic foraminifera. <i>Micropaleontology</i> , 2017, 62, 429-438.	1.0	57
27	Why marine phytoplankton calcify. <i>Science Advances</i> , 2016, 2, e1501822.	10.3	181
28	Ocean warming, not acidification, controlled coccolithophore response during past greenhouse climate change. <i>Geology</i> , 2016, 44, 59-62.	4.4	49
29	Re-discovery of a "living fossil" coccolithophore from the coastal waters of Japan and Croatia. <i>Marine Micropaleontology</i> , 2015, 116, 28-37.	1.2	24
30	A new age model for the middle Eocene deep-marine Ainsa Basin, Spanish Pyrenees. <i>Earth-Science Reviews</i> , 2015, 144, 10-22.	9.1	19
31	The Lindi Formation (upper Albian-Coniacian) and Tanzania Drilling Project Sites 36-40 (Lower Tj ETQq1 1 0.784314 rgBT /Over African Earth Sciences, 2015, 101, 282-308.	2.0	20
32	GSSPs, global stratigraphy and correlation. <i>Geological Society Special Publication</i> , 2015, 404, 37-67.	1.3	31
33	Coccolithophore calcification response to past ocean acidification and climate change. <i>Nature Communications</i> , 2014, 5, 5363.	12.8	56
34	Extreme warming of tropical waters during the Paleocene-Eocene Thermal Maximum. <i>Geology</i> , 2014, 42, 739-742.	4.4	62
35	An offset in TEX86 values between interbedded lithologies: Implications for sea-surface temperature reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 399, 42-51.	2.3	3
36	Biometry of Upper Cretaceous (Cenomanian-Maastrichtian) coccoliths: A record of long-term stability and interspecies size shifts. <i>Revue De Micropaleontologie</i> , 2014, 57, 125-140.	0.4	9

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37	Trace metal (Mg/Ca and Sr/Ca) analyses of single coccoliths by Secondary Ion Mass Spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 146, 90-106.	3.9	22
38	Integrated stratigraphy across the Aptian/Albian boundary at Col de Pr�-Guittard (southeast France): A candidate Global Boundary Stratotype Section. <i>Cretaceous Research</i> , 2014, 51, 248-259.	1.4	48
39	Evidence for global cooling in the Late Cretaceous. <i>Nature Communications</i> , 2014, 5, 4194.	12.8	162
40	Species-specific growth response of coccolithophores to Palaeocene�Eocene environmental change. <i>Nature Geoscience</i> , 2013, 6, 218-222.	12.9	77
41	Exceptionally well-preserved Cretaceous microfossils reveal new biomineralization styles. <i>Nature Communications</i> , 2013, 4, 2052.	12.8	19
42	The response of calcifying plankton to climate change in the Pliocene. <i>Biogeosciences</i> , 2013, 10, 6131-6139.	3.3	17
43	The Global Stratotype Sections and Point (GSSP) for the base of the Jurassic System at Kuhjoch (Karwendel Mountains, Northern Calcareous Alps, Tyrol, Austria). <i>Episodes</i> , 2013, 36, 162-198.	1.2	115
44	A Cenozoic record of the equatorial Pacific carbonate compensation depth. <i>Nature</i> , 2012, 488, 609-614.	27.8	342
45	Scaled biotic disruption during early Eocene global warming events. <i>Biogeosciences</i> , 2012, 9, 4679-4688.	3.3	44
46	Lithostratigraphy, biostratigraphy and chemostratigraphy of Upper Cretaceous and Paleogene sediments from southern Tanzania: Tanzania Drilling Project Sites 27�35. <i>Journal of African Earth Sciences</i> , 2012, 70, 36-57.	2.0	24
47	The uppermost Middle and Upper Albian succession at the Col de Palluel, Hautes-Alpes, France: An integrated study (ammonites, inoceramid bivalves, planktonic foraminifera, nannofossils). <i>Journal of African Earth Sciences</i> , 2012, 70, 59-130.	1.4	107
48	High sea-surface temperatures during the Early Cretaceous Epoch. <i>Nature Geoscience</i> , 2011, 4, 169-172.	12.9	134
49	Comment on ���Calcareous Nannoplankton Response to Surface-Water Acidification Around Oceanic Anoxic Event 1a��. <i>Science</i> , 2011, 332, 175-175.	12.6	16
50	Stratigraphy of the Anthropocene. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 1036-1055.	3.4	156
51	Lithostratigraphy, biostratigraphy and chemostratigraphy of Upper Cretaceous sediments from southern Tanzania: Tanzania drilling project sites 21�26. <i>Journal of African Earth Sciences</i> , 2010, 57, 47-69.	2.0	34
52	Locating earliest records of orogenesis in western Himalaya: Evidence from Paleogene sediments in the Iranian Makran region and Pakistan Katawaz basin. <i>Geology</i> , 2010, 38, 807-810.	4.4	38
53	Response��Cretaceous Extinctions. <i>Science</i> , 2010, 328, 975-976.	12.6	16
54	Timing of India�Asia collision: Geological, biostratigraphic, and palaeomagnetic constraints. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	505

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55	The Chicxulub Asteroid Impact and Mass Extinction at the Cretaceous-Paleogene Boundary. <i>Science</i> , 2010, 327, 1214-1218.	12.6	1,140
56	Ocean acidification and surface water carbonate production across the Paleocene–Eocene thermal maximum. <i>Earth and Planetary Science Letters</i> , 2010, 295, 583-592.	4.4	64
57	Late Maastrichtian warming in the Boreal Realm: Calcareous nannofossil evidence from Denmark. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 295, 55-75.	2.3	44
58	Calcareous nannofossil biostratigraphy of an outcrop section of Aptian sediments of west-central Portugal (Lusitanian Basin). <i>Journal of Micropalaeontology</i> , 2009, 28, 153-160.	3.6	7
59	Calcareous plankton evolution and the Paleocene/Eocene thermal maximum event: New evidence from Tanzania. <i>Marine Micropaleontology</i> , 2009, 71, 60-70.	1.2	74
60	A PALAEOGENE RECORD OF EXTANT LOWER PHOTIC ZONE CALCAREOUS NANNOPLANKTON. <i>Palaeontology</i> , 2009, 52, 457-469.	2.2	8
61	The biostratigraphy of the Upper Pliensbachian-Toarcian (Lower Jurassic) sequence at Ilminster, Somerset. <i>Journal of Micropalaeontology</i> , 2009, 28, 67-85.	3.6	17
62	Exceptionally well preserved upper Eocene to lower Oligocene calcareous nannofossils (Prymnesiophyceae) from the Pande Formation (Kilwa Group), Tanzania. <i>Journal of Systematic Palaeontology</i> , 2009, 7, 359-411.	1.5	26
63	Paleoproductivity, ventilation, and organic carbon burial in the Santa Barbara Basin (ODP Site 893, off) Tj ETQq1 1 0.784314 pgBT /Ov 3.0 17	3.0	17
64	Major shifts in calcareous phytoplankton assemblages through the Eocene–Oligocene transition of Tanzania and their implications for low-latitude primary production. <i>Paleoceanography</i> , 2008, 23, .	3.0	71
65	Extinction and environmental change across the Eocene-Oligocene boundary in Tanzania. <i>Geology</i> , 2008, 36, 179.	4.4	140
66	A Paleogene calcareous microfossil Konservat-Lagerstätte from the Kilwa Group of coastal Tanzania. <i>Bulletin of the Geological Society of America</i> , 2008, 120, 3-12.	3.3	60
67	Are we now living in the Anthropocene. <i>GSA Today</i> , 2008, 18, 4.	2.0	480
68	Post-sampling dissolution and the consistency of nannofossil diversity measures: A case study from freshly cored sediments of coastal Tanzania. <i>Marine Micropaleontology</i> , 2007, 62, 254-268.	1.2	10
69	Nannoplankton Extinction and Origination Across the Paleocene-Eocene Thermal Maximum. <i>Science</i> , 2006, 314, 1770-1773.	12.6	171
70	Photic zone palaeoenvironments of the Kimmeridge Clay Formation (Upper Jurassic, UK) suggested by calcareous nannoplankton palaeoecology. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 235, 110-134.	2.3	38
71	Calcareous nannofossils in extreme environments: The Messinian Salinity Crisis, Polesi Basin, Cyprus. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 233, 271-286.	2.3	106
72	Further Paleogene and Cretaceous sediment cores from the Kilwa area of coastal Tanzania: Tanzania Drilling Project Sites 6–10. <i>Journal of African Earth Sciences</i> , 2006, 45, 279-317.	2.0	30

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73	Stratigraphy and sedimentology of the Upper Cretaceous to Paleogene Kilwa Group, southern coastal Tanzania. <i>Journal of African Earth Sciences</i> , 2006, 45, 431-466.	2.0	77
74	Jake Hancock: reminiscences. <i>Proceedings of the Geologists Association</i> , 2006, 117, 125-127.	1.1	0
75	Shelf and open-ocean calcareous phytoplankton assemblages across the Paleocene-Eocene Thermal Maximum: Implications for global productivity gradients. <i>Geology</i> , 2006, 34, 233.	4.4	204
76	Calcareous nannoplankton evolution: a tale of two oceans. <i>Micropaleontology</i> , 2005, 51, 299-308.	1.0	71
77	Selective calcareous nannoplankton survivorship at the Cretaceous-Tertiary boundary. <i>Geology</i> , 2005, 33, 653.	4.4	69
78	Lower Cretaceous (Berriasian-Aptian) biostratigraphy of the Neuqu�n Basin. <i>Geological Society Special Publication</i> , 2005, 252, 57-81.	1.3	28
79	The Maastrichtian record from Shatsky Rise (northwest Pacific): A tropical perspective on global ecological and oceanographic changes. <i>Paleoceanography</i> , 2005, 20, n/a-n/a.	3.0	48
80	Selective calcareous nannoplankton survivorship at the Cretaceous-Tertiary boundary. <i>Geology</i> , 2005, 33, 653-656.	4.4	101
81	Problems with proxies? Cautionary tales of calcareous nanofossil paleoenvironmental indicators. <i>Micropaleontology</i> , 2005, 51, 333-343.	1.0	76
82	Coccolith biomineralisation studied with atomic force microscopy. <i>Palaeontology</i> , 2004, 47, 725-743.	2.2	47
83	Biometric analysis of Pliensbachian-Toarcian (Lower Jurassic) coccoliths of the family Biscutaceae: intra- and interspecific variability versus palaeoenvironmental influence. <i>Marine Micropaleontology</i> , 2004, 52, 5-27.	1.2	37
84	Evidence for annual records of phytoplankton productivity in the Kimmeridge Clay Formation coccolith stone bands (Upper Jurassic, Dorset, UK). <i>Marine Micropaleontology</i> , 2004, 52, 29-49.	1.2	67
85	Lower Cretaceous calcareous nannoplankton from the Neuqu�n Basin, Argentina. <i>Marine Micropaleontology</i> , 2004, 52, 51-84.	1.2	49
86	Calcareous nanofossil palaeoecology and palaeoceanographic reconstruction. <i>Marine Micropaleontology</i> , 2004, 52, 1-3.	1.2	0
87	Paleogene and Cretaceous sediment cores from the Kilwa and Lindi areas of coastal Tanzania: Tanzania Drilling Project Sites 1�5. <i>Journal of African Earth Sciences</i> , 2004, 39, 25-62.	2.0	65
88	Fluctuations in biosiliceous production and the generation of Early Cretaceous oceanic anoxic events in the Pacific Ocean (Shatsky Rise, Ocean Drilling Program Leg 198). <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	42
89	Calcareous nannoplankton evolution and diversity through time. , 2004, , 481-508.		162
90	Recognition of alkenones in a lower Aptian porcellanite from the west-central Pacific. <i>Organic Geochemistry</i> , 2004, 35, 181-188.	1.8	66

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91	Tailoring calcite: Nanoscale AFM of coccolith biocrystals. <i>American Mineralogist</i> , 2003, 88, 2040-2044.	1.9	41
92	Calcareous nannofossils of the Gault, Upper Greensand and Glauconitic Marl (Middle Albian-Lower) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Association, 2001, 112, 223-236.	1.1	6
93	Palaeobiogeography of Early Cretaceous (Berriasian- Barremian) calcareous nannoplankton. <i>Marine Micropaleontology</i> , 2000, 39, 265-291.	1.2	120
94	Calcareous nannoplankton and global climate change. , 2000, , 35-50.		13
95	Integrated stratigraphy across the Aptian-Albian boundary in the Marnes Bleues, at the Col de PrÃ©-Guittard, Arnyon (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. <i>Cretaceous Research</i> , 2000, 21, 591-720.	1.4	134
96	Coccolith Ultrastructure and Biomineralisation. <i>Journal of Structural Biology</i> , 1999, 126, 195-215.	2.8	277
97	Calcareous Nannofossil Biostratigraphy. , 1998, , .		246
98	The Cretaceous-Tertiary biotic transition. <i>Journal of the Geological Society</i> , 1997, 154, 265-292.	2.1	247
99	The trophic structure of the biota of the Peterborough Member, Oxford Clay Formation (Jurassic), UK. <i>Journal of the Geological Society</i> , 1994, 151, 173-194.	2.1	88
100	Crystal assembly and phylogenetic evolution in heterococcoliths. <i>Nature</i> , 1992, 356, 516-518.	27.8	206
101	Late Triassic-Early Jurassic Calcareous Nannofossils of the Queen Charlotte Islands, British Columbia. <i>Journal of Micropalaeontology</i> , 1992, 11, 177-188.	3.6	11
102	Significance of Upper Triassic nannofossils from the Southern Hemisphere (ODP Leg 122, Wombat) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	35
103	Critical events in the evolutionary history of calcareous Nannoplankton. <i>Historical Biology</i> , 1991, 5, 279-290.	1.4	11
104	New Calcareous Nannofossil taxa from the Jurassic. <i>Journal of Micropalaeontology</i> , 1989, 8, 91-96.	3.6	23
105	A Calcareous Nannofossil Biozonation Scheme for the early to mid Mesozoic. <i>Newsletters on Stratigraphy</i> , 1988, 20, 91-114.	1.2	59
106	Early to Mid-Cretaceous Calcareous Nannoplankton from the Northwest Pacific Ocean, Leg 198, Shatsky Rise. , 0, , .		18
107	Cenozoic Calcareous Nannofossil Biostratigraphy, ODP Leg 198 Site 1208 (Shatsky Rise, Northwest) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		35
108	Resolving Eocene time and palaeoceanography in exceptional detail: an update on IODP Expedition 342, Newfoundland Ridge. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 31, 115-116.	0.3	0

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109	Calcareous nannoplankton response at the culmination of the Paleogene greenhouse world. Rendiconti Online Societa Geologica Italiana, 0, 31, 155-156.	0.3	0
110	Cell geometry records the physiological responses of coccolithophores to Paleogene climate change. Rendiconti Online Societa Geologica Italiana, 0, 31, 199-200.	0.3	0