# Andrew McMinn

List of Publications by Year
in descending order

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| 215 | 6,352 | 66343 | 114465 |
|---|---|---|---|
| papers | citations | 42 h-index | 63 g-index |

| 229 | 229 | 229 | 5701 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The spatial structure of Antarctic biodiversity. Ecological Monographs, 2014, 84, 203-244. | 5.4 | 286 |
| 2 | Biological responses to environmental heterogeneity under future ocean conditions. Global Change Biology, 2016, 22, 2633-2650. | 9.5 | 187 |
| 3 | Three improved satellite chlorophyll algorithms for the Southern Ocean. Journal of Geophysical Research: Oceans, 2013, 118, 3694-3703. | 2.6 | 158 |
| 4 | Marine introductions in the Southern Ocean: an unrecognised hazard to biodiversity. Marine Pollution Bulletin, 2003, 46, 213-223. | 5.0 | 135 |
| 5 | Australian Cretaceous shorelines, stage by stage. Palaeogeography, Palaeoclimatology, Palaeoecology, 1987, 59, 31-48. | 2.3 | 103 |
| 6 | Sedimentation of 13C-rich organic matter from Antarctic sea-ice algae: A potential indicator of past sea-ice extent. Geology, 1999, 27, 331. | 4.4 | 96 |
| 7 | Chlorophyll a in Antarctic sea ice from historical ice core data. Geophysical Research Letters, 2012, 39, . | 4.0 | 95 |
| 8 | Quantum yield and photosynthetic parameters of marine microalgae from the southern Arctic Ocean, Svalbard. Journal of the Marine Biological Association of the United Kingdom, 2004, 84, 865-871. | 0.8 | 91 |
| 9 | In situ net primary productivity of an Antarctic fast ice bottom algal community. Aquatic Microbial Ecology, 2000, 21, 177-185. | 1.8 | 86 |
| 10 | Cyst and radionucleotide evidence for the recent introduction of the toxic dinoflagellate Gymnodinium catenatum into Tasmanian waters. Marine Ecology - Progress Series, 1997, 161, 165-172. | 1.9 | 82 |
| 11 | Nutrient stress gradient in the bottom 5 cm of fast ice, McMurdo Sound, Antarctica. Polar Biology, 1999, 21, 220-227. | 1.2 | 75 |
| 12 | Dark survival in a warming world. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122909. | 2.6 | 75 |
| 13 | Effects of UV-B irradiation on growth and survival of Antarctic marine diatoms. Marine Biology, 1994, 119, 507-515. | 1.5 | 70 |
| 14 | Distribution of diatoms in surface sediments of Prydz Bay, Antarctica. Marine Micropaleontology, 1997, 32, 209-229. | 1.2 | 68 |
| 15 | A diatom-based palaeosalinity history of Ace Lake, Vestfold Hills, Antarctica. Holocene, 1999, 9, 401-408. | 1.7 | 68 |
| 16 | SHORT-TERM EFFECT OF TEMPERATURE ON THE PHOTOKINETICS OF MICROALGAE FROM THE SURFACE LAYERS OF ANTARCTIC PACK ICE1. Journal of Phycology, 2005, 41, 763-769. | 2.3 | 68 |
| 17 | Summer phytoplankton succession in Ellis Fjord, eastern Antarctica. Journal of Plankton Research, 1993, 15, 925-938. | 1.8 | 67 |
| 18 | Title is missing!. Journal of Paleolimnology, 2003, 30, 195-215. | 1.6 | 67 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Post-glacial regional climate variability along the East Antarctic coastal marginâ€"Evidence from shallow marine and coastal terrestrial records. Earth-Science Reviews, 2011, 104, 199-212. | 9.1 | 67 |
| 20 | Title is missing!. Journal of Paleolimnology, 1998, 19, 99-113. | 1.6 | 66 |
| 21 | 28S rDNA Evolution in the Eumalacostraca and the Phylogenetic Position of Krill. Molecular Phylogenetics and Evolution, 2000, 17, 26-36. | 2.7 | 64 |
| 22 | Recent Dinoflagellate Cysts from Estuaries on the Central Coast of New South Wales, Australia. Micropaleontology, 1991, 37, 269. | 1.0 | 62 |
| 23 | Sea ice, extremophiles and life on extra-terrestrial ocean worlds. International Journal of Astrobiology, 2018, 17, 1-16. | 1.6 | 62 |
| 24 | Preliminary investigation of the contribution of fast-ice algae to the spring phytoplankton bloom in Ellis Fjord, eastern Antarctica. Polar Biology, 1996, 16, 301-307. | 1.2 | 60 |
| 25 | Recent rapid salinity rise in three East Antarctic lakes. Journal of Paleolimnology, 2006, 36, 385-406. | 1.6 | 60 |
| 26 | Growth and Productivity of Antarctic Sea Ice Algae under PAR and UV Irradiances. Botanica Marina, 1999, 42, . | 1.2 | 59 |
| 27 | The Holocene Diatom Flora of Marine Bays in the Windmill Islands, East Antarctica. Botanica Marina, 2003, 46, . | 1.2 | 59 |
| 28 | Acclimation of Antarctic bottom-ice algal communities to lowered salinities during melting. Polar Biology, 2004, 27, 679-686. | 1.2 | 59 |
| 29 | Modern sedimentation, circulation and life beneath the Amery Ice Shelf, East Antarctica. Continental Shelf Research, 2014, 74, 77-87. | 1.8 | 59 |
| 30 | A predator-prey interaction between a marine Pseudoalteromonas sp. and Gram-positive bacteria. Nature Communications, 2020, 11, 285. | 12.8 | 59 |
| 31 | Physical parameters influencing diatom community structure in eastern Antarctic sea ice. Polar Biology, 1994, 14, 507. | 1.2 | 58 |
| 32 | Spring sea ice photosynthesis, primary productivity and biomass distribution in eastern Antarctica, 2002â€"2004. Marine Biology, 2007, 151, 985-995. | 1.5 | 57 |
| 33 | The lipid composition of Euphausia superba Dana in relation to the nutritional value of Phaeocystis pouchetii (Hariot) Lagerheim. Antarctic Science, 1993, 5, 169-177. | 0.9 | 56 |
| 34 | Relationships between surface sediment diatom assemblages and water chemistry gradients in saline lakes of the Vestfold Hills, Antarctica. Antarctic Science, 1996, 8, 331-341. | 0.9 | 55 |
| 35 | Diurnal changes in photosynthesis of Antarctic fast ice algal communities determined by pulse amplitude modulation fluorometry. Marine Biology, 2003, 143, 359-367. | 1.5 | 55 |
| 36 | In situ net primary productivity and photosynthesis of Antarctic sea ice algal, phytoplankton and benthic algal communities. Marine Biology, 2010, 157, 1345-1356. | 1.5 | 55 |

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|---|---|---|---|
| 37 | Fluoride in Antarctic marine crustaceans. Marine Biology, 1998, 132, 591-598. | 1.5 | 53 |
| 38 | Phytoplankton and sea ice algal biomass and physiology during the transition between winter and spring (McMurdo Sound, Antarctica). Polar Biology, 2010, 33, 1547-1556. | 1.2 | 52 |
| 39 | Late Quaternary Diatom Assemblages from Prydz Bay, Eastern Antarctica. Quaternary Research, 2002, 57, 151-161. | 1.7 | 51 |
| 40 | DNA as a Dietary Biomarker in Antarctic Krill, Euphausia superba. Marine Biotechnology, 2006, 8, 686-696. | 2.4 | 51 |
| 41 | The Response of Antarctic Sea Ice Algae to Changes in pH and CO2. PLoS ONE, 2014, 9, e86984. | 2.5 | 51 |
| 42 | Paleolimnological studies from the Antarctic and subantarctic islands. , 2004, , 419-474. | | 51 |
| 43 | Vertical Distribution of Microbial Eukaryotes From Surface to the Hadal Zone of the Mariana Trench. Frontiers in Microbiology, 2018, 9, 2023. | 3.5 | 48 |
| 44 | Diatom biostratigraphy and age of the Pliocene SÃ¸rsdal Formation, Vestfold Hills, East Antarctica. Antarctic Science, 2000, 12, 443-462. | 0.9 | 47 |
| 45 | ANTARCTIC DISTRIBUTION, PIGMENT AND LIPID COMPOSITION, AND MOLECULAR IDENTIFICATION OF THE BRINE DINOFLAGELLATE POLARELLA GLACIALIS (DINOPHYCEAE)1. Journal of Phycology, 2004, 40, 867-873. | 2.3 | 46 |
| 46 | The effect of prolonged darkness on the growth, recovery and survival of Antarctic sea ice diatoms. Polar Biology, 2011, 34, 1019-1032. | 1.2 | 44 |
| 47 | Viral Diversity and Its Relationship With Environmental Factors at the Surface and Deep Sea of Prydz Bay, Antarctica. Frontiers in Microbiology, 2018, 9, 2981. | 3.5 | 43 |
| 48 | The use of oxygen microelectrodes to determine the net production by an Antarctic sea ice algal community. Antarctic Science, 1998, 10, 39-44. | 0.9 | 42 |
| 49 | Recent and late quaternary dinoflagellate cyst distribution on the continental shelf and slope of southeastern Australia. Palynology, 1992, 16, 13-24. | 1.5 | 40 |
| 50 | Late-Holocene East Antarctic climate trends from ice-core and lake-sediment proxies. Holocene, 2001, 11, 117-120. | 1.7 | 40 |
| 51 | Mycosporine-Like Amino Acids in Antarctic Sea Ice Algae, and Their Response to UVB Radiation. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2002, 57, 471-477. | 1.4 | 40 |
| 52 | Dark metabolism: a molecular insight into how the Antarctic seaâ€ice diatom Fragilariopsis cylindrus survives longâ€term darkness. New Phytologist, 2019, 223, 675-691. | 7.3 | 40 |
| 53 | Effects of ocean acidification on Antarctic marine organisms: A metaâ€analysis. Ecology and Evolution, 2020, 10, 4495-4514. | 1.9 | 39 |
| 54 | Late-Holocene climatic change recorded in sediment cores from Ellis Fjord, eastern Antarctica. Holocene, 2001, 11, 291-300. | 1.7 | 38 |

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|---|---|---|---|
| 55 | Comparison of the microalgal community within fast ice at two sites along the Ross Sea coast, Antarctica. Antarctic Science, 2006, 18, 583-594. | 0.9 | 38 |
| 56 | Recent dinoflagellate cyst distribution in eastern Australia. Review of Palaeobotany and Palynology, 1990, 65, 305-310. | 1.5 | 37 |
| 57 | Colonization, succession, and extinction of marine floras during a glacial cycle: A case study from the Windmill Islands (east Antarctica) using biomarkers. Paleoceanography, 2003, 18, n/a-n/a. | 3.0 | 37 |
| 58 | Recent dinoflagellate cysts from the Chatham Rise, Southern Ocean, east of New Zealand. Palynology, 1994, 18, 41-53. | 1.5 | 36 |
| 59 | EFFECTS OF METAL AND PETROLEUM HYDROCARBON CONTAMINATION ON BENTHIC DIATOM COMMUNITIES NEAR CASEY STATION, ANTARCTICA: AN EXPERIMENTAL APPROACH1. Journal of Phycology, 2003, 39, 490-503. | 2.3 | 36 |
| 60 | Diatom biostratigraphy of the Cenozoic glaciomarine Pagodroma Group, northern Prince Charles Mountains, East Antarctica*. Australian Journal of Earth Sciences, 2004, 51, 521-547. | 1.0 | 36 |
| 61 | Iron availability regulates growth, photosynthesis, and production of ferredoxin and flavodoxin in Antarctic sea ice diatoms. Aquatic Biology, 2009, 4, 273-288. | 1.4 | 36 |
| 62 | Outline of a Late Cretaceous dinoflagellate zonation of northwestern Australia. Alcheringa, 1988, 12, 137-156. | 1.2 | 35 |
| 63 | Late Holocene increase in sea ice extent in fjords of the Vestfold Hills, eastern Antarctica. Antarctic Science, 2000, 12, 80-88. | 0.9 | 35 |
| 64 | Early Pliocene paleoenvironment of the SÃ¸rsdal Formation, Vestfold Hills, based on diatom data. Marine Micropaleontology, 2001, 41, 125-152. | 1.2 | 35 |
| 65 | Effect of temperature on the photosynthetic efficiency and morphotype of Phaeocystis antarctica. Journal of Experimental Marine Biology and Ecology, 2012, 429, 7-14. | 1.5 | 35 |
| 66 | Restudy of the holotype ofOperculodinium centrocarpum(Deflandre & Cookson) wall (Dinophyceae) from the Miocene of Australia, and the taxonomy of related species. Palynology, 1997, 21, 19-33. | 1.5 | 34 |
| 67 | EFFECT OF HYPEROXIA ON THE GROWTH AND PHOTOSYNTHESIS OF POLAR SEA ICE MICROALGAE1. Journal of Phycology, 2005, 41, 732-741. | 2.3 | 34 |
| 68 | Chlorophyllâ€a in Antarctic Landfast Sea Ice: A First Synthesis of Historical Ice Core Data. Journal of Geophysical Research: Oceans, 2018, 123, 8444-8459. | 2.6 | 34 |
| 69 | EFFECT OF SEASONAL SEA ICE BREAKOUT ON THE PHOTOSYNTHESIS OF BENTHIC DIATOM MATS AT CASEY, ANTARCTICA<sup>1</sup>. Journal of Phycology, 2004, 40, 62-69. | 2.3 | 33 |
| 70 | Recent human-induced salinity changes in Ramsar-listed Orielton Lagoon, south-east Tasmania, Australia: a new approach for coastal lagoon conservation and management. Aquatic Conservation: Marine and Freshwater Ecosystems, 2007, 17, 51-70. | 2.0 | 33 |
| 71 | Minimal effects of UVB radiation on Antarctic diatoms over the past 20 years. Nature, 1994, 370, 547-549. | 27.8 | 32 |
| 72 | Genetic differentiation in the Antarctic coastal krill Euphausia crystallorophias. Heredity, 2002, 88, 280-287. | 2.6 | 32 |

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| 73 | Late Cainozoic Vegetation History of North-Western Australia, From the Palynology of a Deep Sea Core (ODP Site 765). Australian Journal of Botany, 1994, 42, 95. | 0.6 | 31 |
| 74 | The base composition of the krill genome and its potential susceptibility to damage by UV-B. Antarctic Science, 1999, 11, 23-26. | 0.9 | 31 |
| 75 | Effect of permanent sea ice cover and different nutrient regimes on the phytoplankton succession of fjords of the Vestfold Hills Oasis, eastern Antarctica. Journal of Plankton Research, 2000, 22, 287-303. | 1.8 | 31 |
| 76 | PHOTOPROTECTION OF SEAâ€ICE MICROALGAL COMMUNITIES FROM THE EAST ANTARCTIC PACK ICE<sup>1</sup>. Journal of Phycology, 2011, 47, 77-86. | 2.3 | 31 |
| 77 | Composition and succession of dinoflagellates and chrysophytes in the upper fast ice of Davis Station, East Antarctica. Polar Biology, 2006, 29, 337-345. | 1.2 | 30 |
| 78 | Palaeoecological tools for improving the management of coastal ecosystems: a case study from Lake King (Gippsland Lakes) Australia. Journal of Paleolimnology, 2008, 40, 33-47. | 1.6 | 30 |
| 79 | Preliminary investigation of Okhotsk Sea ice algae; taxonomic composition and photosynthetic activity. Polar Biology, 2008, 31, 1011-1015. | 1.2 | 30 |
| 80 | Salinity effects on chloroplast PSII performance in glycophytes and halophytes. Functional Plant Biology, 2016, 43, 1003. | 2.1 | 30 |
| 81 | Planktonic microbial eukaryotes in polar surface waters: recent advances in high-throughput sequencing. Marine Life Science and Technology, 2021, 3, 94-102. | 4.6 | 30 |
| 82 | In situ oxygen microelectrode measurements of bottom-ice algal production in McMurdo Sound, Antarctica. Polar Biology, 2002, 25, 72-80. | 1.2 | 29 |
| 83 | Ocean acidification changes the structure of an Antarctic coastal protistan community. Biogeosciences, 2018, 15, 2393-2410. | 3.3 | 29 |
| 84 | Evidence from diatoms for Holocene climate fluctuation along the East Antarctic margin. Holocene, 2001, 11, 455-466. | 1.7 | 28 |
| 85 | Preliminary investigation into the stimulation of phytoplankton photophysiology and growth by whale faeces. Journal of Experimental Marine Biology and Ecology, 2013, 446, 1-9. | 1.5 | 28 |
| 86 | COMPARISON OF DIATOM PRESERVATION BETWEEN OXIC AND ANOXIC BASINS IN ELLIS FJORD, ANTARCTICA. Diatom Research, 1995, 10, 145-151. | 1.2 | 27 |
| 87 | An analysis of the limnology and sedimentary diatom flora of fourteen lakes and ponds from the Windmill Islands, East Antarctica. Antarctic Science, 2001, 13, 410-419. | 0.9 | 27 |
| 88 | Ice-distal Upper Miocene marine strata from inland Antarctica. Sedimentology, 2003, 50, 531-552. | 3.1 | 27 |
| 89 | The Holocene evolution and palaeosalinity history of Beall Lake, Windmill Islands (East Antarctica) using an expanded diatom-based weighted averaging model. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 208, 121-140. | 2.3 | 27 |
| 90 | Contribution of benthic microalgae to ice covered coastal ecosystems in northern Hokkaido, Japan. Journal of the Marine Biological Association of the United Kingdom, 2005, 85, 283-289. | 0.8 | 27 |

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|---|---|---|---|
| 91 | Chemical limnology in coastal East Antarctic lakes: monitoring future climate change in centres of endemism and biodiversity. Antarctic Science, 2012, 24, 23-33. | 0.9 | 27 |
| 92 | Molecular phylogenetics of circumglobal Euphausia species (Euphausiacea: Crustacea). Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 51-58. | 1.4 | 26 |
| 93 | Sea ice primary productivity in the northern Barents Sea, spring 2004. Polar Biology, 2007, 30, 289-294. | 1.2 | 26 |
| 94 | DEVELOPMENT OF IMMUNOASSAYS FOR THE IRONâ€REGULATED PROTEINS FERREDOXIN AND FLAVODOXIN IN POLAR MICROALGAE<sup>1</sup>. Journal of Phycology, 2009, 45, 771-783. | 2.3 | 26 |
| 95 | THE EFFECTS OF TEMPERATURE ON THE PHOTOSYNTHETIC PARAMETERS AND RECOVERY OF TWO TEMPERATE BENTHIC MICROALGAE, AMPHORA CF. COFFEAEFORMIS AND COCCONEIS CF. SUBLITTORALIS (BACILLARIOPHYCEAE)<sup>1</sup>. Journal of Phycology, 2011, 47, 1413-1424. | 2.3 | 26 |
| 96 | Ocean acidification increases iodine accumulation in kelpâ€based coastal food webs. Global Change Biology, 2019, 25, 629-639. | 9.5 | 26 |
| 97 | Chlorophyll fluorescence imaging analysis of the responses of Antarctic bottom-ice algae to light and salinity during melting. Journal of Experimental Marine Biology and Ecology, 2011, 399, 156-161. | 1.5 | 25 |
| 98 | Why Are There No Post-Paleogene Dinoflagellate Cysts in the Southern Ocean?. Micropaleontology, 1995, 41, 383. | 1.0 | 24 |
| 99 | Quantitative relationships between benthic diatom assemblages and water chemistry in Macquarie Island lakes and their potential for reconstructing past environmental changes. Antarctic Science, 2009, 21, 35-49. | 0.9 | 24 |
| 100 | The effects of oil pollution on Antarctic benthic diatom communities over 5years. Marine Pollution Bulletin, 2015, 90, 33-40. | 5.0 | 24 |
| 101 | The effects of hydrocarbons on meiofauna in marine sediments in Antarctica. Journal of Experimental Marine Biology and Ecology, 2017, 496, 56-73. | 1.5 | 24 |
| 102 | Nutrient limitation in Ellis Fjord, eastern Antarctica. Polar Biology, 1995, 15, 269. | 1.2 | 23 |
| 103 | Cyst and radionuclide evidence demonstrate historic Gymnodinium catenatum dinoflagellate populations in Manukau and Hokianga Harbours, New Zealand. Harmful Algae, 2003, 2, 61-74. | 4.8 | 23 |
| 104 | Recent dinoflagellate cyst distribution associated with the Subtropical Convergence on the Chatham Rise, east of New Zealand. Marine Micropaleontology, 1994, 23, 345-356. | 1.2 | 22 |
| 105 | Thermal plume effects: A multi-disciplinary approach for assessing effects of thermal pollution on estuaries using benthic diatoms and satellite imagery. Estuarine, Coastal and Shelf Science, 2012, 99, 132-144. | 2.1 | 22 |
| 106 | Metagenomic Characterization of the Viral Community of the South Scotia Ridge. Viruses, 2019, 11, 95. | 3.3 | 22 |
| 107 | Late Pleistocene Dinoflagellate Cysts from Botany Bay, New South Wales, Australia. Micropaleontology, 1989, 35, 1. | 1.0 | 21 |
| 108 | An initial palaeosalinity history of Jaw Lake, Bunger Hills based on a diatomâ€“salinity transfer function applied to sediment cores. Antarctic Science, 2000, 12, 172-176. | 0.9 | 21 |

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|---|---|---|---|
| 109 | Assessing Sub-Antarctic Zone primary productivity from fast repetition rate fluorometry. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 2179-2188. | 1.4 | 21 |
| 110 | Average process length variation of the marine dinoflagellate cyst Operculodinium centrocarpum in the tropical and Southern Hemisphere Oceans: Assessing its potential as a palaeosalinity proxy. Marine Micropaleontology, 2012, 86-87, 45-58. | 1.2 | 21 |
| 111 | Characterization and Genome Analysis of a Novel Alteromonas Phage JH01 Isolated from the Qingdao Coast of China. Current Microbiology, 2019, 76, 1256-1263. | 2.2 | 21 |
| 112 | Characterization and Genome Analysis of a Novel Marine Alteromonas Phage P24. Current Microbiology, 2020, 77, 2813-2820. | 2.2 | 21 |
| 113 | Response of Phytoplankton Photophysiology to Varying Environmental Conditions in the Sub-Antarctic and Polar Frontal Zone. PLoS ONE, 2013, 8, e72165. | 2.5 | 21 |
| 114 | Decreased motility of flagellated microalgae long-term acclimated to CO2-induced acidified waters. Nature Climate Change, 2020, 10, 561-567. | 18.8 | 20 |
| 115 | Palynostratigraphy of the Middle Permian coal sequences of the Sydney Basin. Australian Journal of Earth Sciences, 1985, 32, 301-309. | 1.0 | 19 |
| 116 | The physiological response to increased temperature in over-wintering sea ice algae and phytoplankton in McMurdo Sound, Antarctica and TromsÃ¸ Sound, Norway. Journal of Experimental Marine Biology and Ecology, 2012, 428, 57-66. | 1.5 | 19 |
| 117 | Characteristics and primary productivity of East Antarctic pack ice during the winter-spring transition. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 131, 123-139. | 1.4 | 19 |
| 118 | Distribution of marine viruses and their potential hosts in Prydz Bay and adjacent Southern Ocean, Antarctic. Polar Biology, 2016, 39, 365-378. | 1.2 | 19 |
| 119 | Reconstruction of the Functional Ecosystem in the High Light, Low Temperature Union Glacier Region, Antarctica. Frontiers in Microbiology, 2019, 10, 2408. | 3.5 | 19 |
| 120 | Biogeographic traits of dimethyl sulfide and dimethylsulfoniopropionate cycling in polar oceans. Microbiome, 2021, 9, 207. | 11.1 | 18 |
| 121 | Paleodepth determination from Antarctic benthic diatom assemblages. Marine Micropaleontology, 1997, 29, 301-318. | 1.2 | 17 |
| 122 | Kerguelen Plateau Quaternaryâ€“late Pliocene palaeoenvironments: from diatom, silicoflagellate and sedimentological data. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 186, 335-368. | 2.3 | 17 |
| 123 | Late Miocene vegetation and palaeoenvironments of the Drygalski Formation, Heard Island, Indian Ocean: evidence from palynology. Antarctic Science, 2005, 17, 427-442. | 0.9 | 17 |
| 124 | Extracellular Enzyme Activity and Its Implications for Organic Matter Cycling in Northern Chinese Marginal Seas. Frontiers in Microbiology, 2019, 10, 2137. | 3.5 | 17 |
| 125 | Use of dinoflagellate cysts to determine changing Quaternary sea-surface temperature in southern Australia. Marine Micropaleontology, 1997, 29, 407-422. | 1.2 | 16 |
| 126 | Palaeohydrological modelling of Ace Lake, Vestfold Hills, Antarctica. Holocene, 1999, 9, 515-520. | 1.7 | 16 |

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| 127 | Antarctic coastal microalgal primary production and photosynthesis. Marine Biology, 2012, 159, 2827-2837. | 1.5 | 16 |
| 128 | THE EFFECTS OF ULTRAVIOLETâ€B RADIATION ON ANTARCTIC SEAâ€ICE ALGAE<sup>1</sup>. Journal of Phycology, 2012, 48, 74-84. | 2.3 | 16 |
| 129 | Complete genomic sequence of bacteriophage P23: a novel Vibrio phage isolated from the Yellow Sea, China. Virus Genes, 2019, 55, 834-842. | 1.6 | 15 |
| 130 | Diversity, Abundance, Spatial Variation, and Human Impacts in Marine Meiobenthic Nematode and Copepod Communities at Casey Station, East Antarctica. Frontiers in Marine Science, 2020, 7, . | 2.5 | 15 |
| 131 | Diversity of D-Amino Acid Utilizing Bacteria From Kongsfjorden, Arctic and the Metabolic Pathways for Seven D-Amino Acids. Frontiers in Microbiology, 2019, 10, 2983. | 3.5 | 15 |
| 132 | Temporal Patterns of Protozooplankton Abundance and Their Food in Ellis Fjord, Princess Elizabeth Land, Eastern Antarctica. Estuarine, Coastal and Shelf Science, 1997, 45, 17-25. | 2.1 | 14 |
| 133 | Incorporation of nitrogen compounds into sea ice from atmospheric deposition. Marine Chemistry, 2011, 127, 90-99. | 2.3 | 14 |
| 134 | Neogene Dinoflagellate Distribution in the Eastern Indian Ocean from Leg 123, Site 765. , 0, , . | | 14 |
| 135 | Cobricosphaeridium Harland and Sarjeant: Dinoflagellate Cyst or Copepod Egg?. Micropaleontology, 1992, 38, 315. | 1.0 | 13 |
| 136 | The influence of natural environmental factors on benthic diatom communities from the Windmill Islands, Antarctica. Phycologia, 2004, 43, 744-755. | 1.4 | 13 |
| 137 | Late Miocene paleoenvironment of the Lambert Graben embayment, East Antarctica, evident from: Mollusc paleontology, sedimentology and geochemistry. Global and Planetary Change, 2006, 50, 127-147. | 3.5 | 13 |
| 138 | Effect of elevated CO 2 concentration on microalgal communities in Antarctic pack ice. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 131, 160-169. | 1.4 | 13 |
| 139 | Reviews and syntheses: Ice acidification, the effects of ocean acidification on sea ice microbial communities. Biogeosciences, 2017, 14, 3927-3935. | 3.3 | 13 |
| 140 | Genome and Ecology of a NovelAlteromonasPodovirus, ZP6, Representing a New Viral Genus,Mareflavirus. Microbiology Spectrum, 2021, 9, e0046321. | 3.0 | 13 |
| 141 | Saline lakes on the Qinghai-Tibet Plateau harbor unique viral assemblages mediating microbial environmental adaption. IScience, 2021, 24, 103439. | 4.1 | 13 |
| 142 | Biostratigraphy and palaeoecology of early Pliocene diatom assemblages from the Larsemann Hills, eastern Antarctica. Antarctic Science, 1995, 7, 115-116. | 0.9 | 12 |
| 143 | Using picoeukaryote communities to indicate the spatial heterogeneity of the Nordic Seas. Ecological Indicators, 2019, 107, 105582. | 6.3 | 12 |
| 144 | Viral Characteristics of the Warm Atlantic and Cold Arctic Water Masses in the Nordic Seas. Applied and Environmental Microbiology, 2021, 87, e0116021. | 3.1 | 12 |

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|---|---|---|---|
| 145 | Ferredoxin and flavodoxin in eastern Antarctica pack ice. Polar Biology, 2008, 31, 1153-1165. | 1.2 | 11 |
| 146 | Effects of CO2 concentration on a late summer surface sea ice community. Marine Biology, 2017, 164, 1. | 1.5 | 11 |
| 147 | Significant Bacterial Distance-Decay Relationship in Continuous, Well-Connected Southern Ocean Surface Water. Microbial Ecology, 2020, 80, 73-80. | 2.8 | 11 |
| 148 | Freezing, Melting, and Light Stress on the Photophysiology of Ice Algae: Ex Situ Incubation of the Ice Algal diatomFragilariopsis cylindrus(Bacillariophyceae) Using an Ice Tank. Journal of Phycology, 2020, 56, 1323-1338. | 2.3 | 11 |
| 149 | Coastal marine methyl iodide source and links to new particle formation at Cape Grim during February 2006. Environmental Chemistry, 2007, 4, 172. | 1.5 | 11 |
| 150 | In situ oxygen microelectrode measurements of bottom-ice algal production in McMurdo Sound, Antarctica. , 2002, , 185-193. | | 11 |
| 151 | Sedimentation and continental slope processes in the vicinity of an ocean wasteâ€disposal site, southeastern Tasmania. Australian Journal of Earth Sciences, 1999, 46, 577-591. | 1.0 | 10 |
| 152 | Recent environmental change and trace metal pollution in World Heritage Bathurst Harbour, southwest Tasmania, Australia. Journal of Paleolimnology, 2013, 50, 471-485. | 1.6 | 10 |
| 153 | Towards improved estimates of sea-ice algal biomass: experimental assessment of hyperspectral imaging cameras for under-ice studies. Annals of Glaciology, 2017, 58, 68-77. | 1.4 | 10 |
| 154 | Insights into the Production and Role of Nitric Oxide in the Antarctic Seaâ€ice Diatom Fragilariopsis cylindrus. Journal of Phycology, 2020, 56, 1196-1207. | 2.3 | 10 |
| 155 | Palynostratigraphy of the Stroud-Gloucester Trough, N.S.W.. Alcheringa, 1987, 11, 151-164. | 1.2 | 9 |
| 156 | Diurnal changes of photoadaptive pigments in microphytobenthos. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 1025-1032. | 0.8 | 9 |
| 157 | Succession and physiological health of freshwater microalgal fouling in a Tasmanian hydropower canal. Biofouling, 2010, 26, 637-644. | 2.2 | 9 |
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