

Stephen R Rintoul

List of Publications by Year in descending order

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144
papers

13,788
citations

24978

57
h-index

22764

112
g-index

150
all docs

150
docs citations

150
times ranked

10559
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Dynamics of a Standing Meander of the Subantarctic Front Diagnosed from Satellite Altimetry and Along-Stream Anomalies of Temperature and Salinity. <i>Journal of Physical Oceanography</i> , 2022, 52, 1073-1089. | 0.7 | 2 |
| 2 | Warm Modified Circumpolar Deep Water Intrusions Drive Ice Shelf Melt and Inhibit Dense Shelf Water Formation in Vincennes Bay, East Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016998. | 1.0 | 15 |
| 3 | Subpolar Southern Ocean Response to Changes in the Surface Momentum, Heat, and Freshwater Fluxes under 2xCO ₂ . <i>Journal of Climate</i> , 2021, 34, 8755-8775. | 1.2 | 6 |
| 4 | Residence Time and Transformation of Warm Circumpolar Deep Water on the Antarctic Continental Shelf. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096092. | 1.5 | 9 |
| 5 | Animal Borne Ocean Sensors “ AniBOS ” An Essential Component of the Global Ocean Observing System. <i>Frontiers in Marine Science</i> , 2021, 8, . | 1.2 | 30 |
| 6 | Deep Argo Reveals Bottom Water Properties and Pathways in the Australian Antarctic Basin. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, . | 1.0 | 16 |
| 7 | Seasonal Transformation and Spatial Variability of Water Masses Within MacKenzie Polynya, Prydz Bay. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, . | 1.0 | 5 |
| 8 | Ocean circulation and frontal structure near the southern Kerguelen Plateau: The physical context for the Kerguelen Axis ecosystem study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, . | 0.6 | 12 |
| 9 | Spatial Variability of Antarctic Bottom Water in the Australian Antarctic Basin From 2018 to 2020 Captured by Deep Argo. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089467. | 1.5 | 15 |
| 10 | Recent recovery of Antarctic Bottom Water formation in the Ross Sea driven by climate anomalies. <i>Nature Geoscience</i> , 2020, 13, 780-786. | 5.4 | 70 |
| 11 | A Continental Shelf Pump for CO ₂ on the Adélie Land Coast, East Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016302. | 1.0 | 6 |
| 12 | Bathymetry-Constrained Navigation of Argo Floats Under Sea Ice on the Antarctic Continental Shelf. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087019. | 1.5 | 6 |
| 13 | Ocean Heat Storage in Response to Changing Ocean Circulation Processes. <i>Journal of Climate</i> , 2020, 33, 9065-9082. | 1.2 | 26 |
| 14 | Along-Slope Variability of Cross-Slope Eddy Transport in East Antarctica. <i>Geophysical Research Letters</i> , 2019, 46, 8224-8233. | 1.5 | 11 |
| 15 | Sustained Antarctic Research: A 21st Century Imperative. <i>One Earth</i> , 2019, 1, 95-113. | 3.6 | 54 |
| 16 | New insights into prime Southern Ocean forage grounds for thriving Western Australian humpback whales. <i>Scientific Reports</i> , 2019, 9, 13988. | 1.6 | 27 |
| 17 | Hydrothermal Heat Enhances Abyssal Mixing in the Antarctic Circumpolar Current. <i>Geophysical Research Letters</i> , 2019, 46, 812-821. | 1.5 | 1 |
| 18 | Seasonality of Warm Water Intrusions Onto the Continental Shelf Near the Totten Glacier. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4272-4289. | 1.0 | 32 |

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|----|--|------|-----------|
| 19 | Sea Ice Meltwater and Circumpolar Deep Water Drive Contrasting Productivity in Three Antarctic Polynyas. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 2943-2968. | 1.0 | 31 |
| 20 | Rebound of shelf water salinity in the Ross Sea. <i>Nature Communications</i> , 2019, 10, 5441. | 5.8 | 56 |
| 21 | Antarctic Circumpolar Current. , 2019, , 248-261. | | 7 |
| 22 | Freshening by glacial meltwater enhances melting of ice shelves and reduces formation of Antarctic Bottom Water. <i>Science Advances</i> , 2018, 4, eaap9467. | 4.7 | 125 |
| 23 | Change in Dense Shelf Water and AdÃ©lie Land Bottom Water Precipitated by Iceberg Calving. <i>Geophysical Research Letters</i> , 2018, 45, 2380-2387. | 1.5 | 22 |
| 24 | Recent wind-driven change in Subantarctic Mode Water and its impact on ocean heat storage. <i>Nature Climate Change</i> , 2018, 8, 58-63. | 8.1 | 76 |
| 25 | The Neodymium Isotope Fingerprint of AdÃ©lie Coast Bottom Water. <i>Geophysical Research Letters</i> , 2018, 45, 11,247. | 1.5 | 16 |
| 26 | The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223. | 1.4 | 257 |
| 27 | Choosing the future of Antarctica. <i>Nature</i> , 2018, 558, 233-241. | 13.7 | 172 |
| 28 | The global influence of localized dynamics in the Southern Ocean. <i>Nature</i> , 2018, 558, 209-218. | 13.7 | 181 |
| 29 | Distribution of water masses and meltwater on the continental shelf near the <sc>T</sc>otten and <sc>M</sc>oscow <sc>U</sc>niversity ice shelves. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 2050-2068. | 1.0 | 60 |
| 30 | Changes in water properties and flow regime on the continental shelf off the <sc>A</sc>dÃ©lie/<sc>G</sc>eorge <sc>V</sc><sc>L</sc>and coast, <sc>E</sc>ast <sc>A</sc>ntarctica, after glacier tongue calving. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6277-6294. | 1.0 | 20 |
| 31 | Stationary Rossby waves dominate subduction of anthropogenic carbon in the Southern Ocean. <i>Scientific Reports</i> , 2017, 7, 17076. | 1.6 | 27 |
| 32 | Regional Changes in Icescape Impact Shelf Circulation and Basal Melting. <i>Geophysical Research Letters</i> , 2017, 44, 11,519. | 1.5 | 20 |
| 33 | Carbon uptake and biogeochemical change in the Southern Ocean, south of Tasmania. <i>Biogeosciences</i> , 2017, 14, 5217-5237. | 1.3 | 26 |
| 34 | Ocean-Ice Shelf Interaction in East Antarctica. , 2016, 29, 130-143. | | 59 |
| 35 | Brief communication: Impacts of a developing polynya off Commonwealth Bay, East Antarctica, triggered by grounding of iceberg B09B. <i>Cryosphere</i> , 2016, 10, 2603-2609. | 1.5 | 16 |
| 36 | Controls on circulation, crossâ€shelf exchange, and dense water formation in an Antarctic polynya. <i>Geophysical Research Letters</i> , 2016, 43, 7089-7096. | 1.5 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Direct observations of the Antarctic slope current transport at 113°E. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7390-7407. | 1.0 | 35 |
| 38 | Ocean heat drives rapid basal melt of the Totten Ice Shelf. <i>Science Advances</i> , 2016, 2, e1601610. | 4.7 | 140 |
| 39 | State of the Climate in 2015. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, Si-S275. | 1.7 | 142 |
| 40 | Delivering 21st century Antarctic and Southern Ocean science. <i>Antarctic Science</i> , 2016, 28, 407-423. | 0.5 | 51 |
| 41 | Atlantic-Pacific asymmetry of subsurface temperature change and frontal response of the Antarctic Circumpolar Current for the recent three decades. , 2016, , 157-170. | | 0 |
| 42 | Circulation of modified Circumpolar Deep Water and basal melt beneath the Amery Ice Shelf, East Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3098-3112. | 1.0 | 64 |
| 43 | A roadmap for Antarctic and Southern Ocean science for the next two decades and beyond. <i>Antarctic Science</i> , 2015, 27, 3-18. | 0.5 | 158 |
| 44 | Atlantic-Pacific asymmetry of subsurface temperature change and frontal response of the Antarctic Circumpolar Current for the recent three decades. <i>Journal of Oceanography</i> , 2015, 71, 623-636. | 0.7 | 10 |
| 45 | Detecting and Characterizing Ekman Currents in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2015, 45, 1205-1223. | 0.7 | 13 |
| 46 | Sensitivity of Antarctic Circumpolar Current Transport and Eddy Activity to Wind Patterns in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2015, 45, 1051-1067. | 0.7 | 44 |
| 47 | The Dynamics of Southern Ocean Storm Tracks. <i>Journal of Physical Oceanography</i> , 2015, 45, 884-903. | 0.7 | 33 |
| 48 | Summertime physical and biological controls on O ₂ and CO ₂ in the Australian Sector of the Southern Ocean. <i>Journal of Marine Systems</i> , 2015, 147, 21-28. | 0.9 | 22 |
| 49 | Antarctic Circumpolar Current transport and barotropic transition at Macquarie Ridge. <i>Geophysical Research Letters</i> , 2014, 41, 7254-7261. | 1.5 | 26 |
| 50 | Continuous shipboard measurements of oceanic ¹⁸ O, ¹ D and ¹³ C DIC along a transect from New Zealand to Antarctica using cavity ring-down isotope spectrometry. <i>Journal of Marine Systems</i> , 2014, 137, 21-27. | 0.9 | 15 |
| 51 | Climate change and Southern Ocean ecosystems I: how changes in physical habitats directly affect marine biota. <i>Global Change Biology</i> , 2014, 20, 3004-3025. | 4.2 | 448 |
| 52 | Freshening drives contraction of Antarctic Bottom Water in the Australian Antarctic Basin. <i>Geophysical Research Letters</i> , 2014, 41, 1657-1664. | 1.5 | 85 |
| 53 | Polar research: Six priorities for Antarctic science. <i>Nature</i> , 2014, 512, 23-25. | 13.7 | 189 |
| 54 | Observations: Ocean Pages. , 2014, , 255-316. | | 113 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Barotropic and baroclinic contributions to along-stream and across-stream transport in the Antarctic Circumpolar Current. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8011-8028. | 1.0 | 24 |
| 56 | Widespread freshening in the Seasonal Ice Zone near 140°E off the Adélie Land Coast, Antarctica, from 1994 to 2012. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6046-6063. | 1.0 | 30 |
| 57 | Advection shapes Southern Ocean microbial assemblages independent of distance and environment effects. <i>Nature Communications</i> , 2013, 4, 2457. | 5.8 | 123 |
| 58 | Abyssal connections of Antarctic Bottom Water in a Southern Ocean State Estimate. <i>Geophysical Research Letters</i> , 2013, 40, 2177-2182. | 1.5 | 57 |
| 59 | Biogeographic partitioning of Southern Ocean microorganisms revealed by metagenomics. <i>Environmental Microbiology</i> , 2013, 15, 1318-1333. | 1.8 | 82 |
| 60 | Dynamics of the Southern Ocean Circulation. <i>International Geophysics</i> , 2013, 103, 471-492. | 0.6 | 56 |
| 61 | Glacier tongue calving reduced dense water formation and enhanced carbon uptake. <i>Geophysical Research Letters</i> , 2013, 40, 904-909. | 1.5 | 71 |
| 62 | Tasman Leakage of intermediate waters as inferred from Argo floats. <i>Geophysical Research Letters</i> , 2013, 40, 5456-5460. | 1.5 | 19 |
| 63 | Large-Scale Ocean Circulation: Deep Circulation and Meridional Overturning. , 2013, , 199-232. | | 1 |
| 64 | Localized subduction of anthropogenic carbon dioxide in the Southern Hemisphere oceans. <i>Nature Geoscience</i> , 2012, 5, 579-584. | 5.4 | 166 |
| 65 | Global biogeography of SAR11 marine bacteria. <i>Molecular Systems Biology</i> , 2012, 8, 595. | 3.2 | 215 |
| 66 | Distribution of Hydrocorals Along the George V Slope, East Antarctica. , 2012, , 717-726. | | 1 |
| 67 | The Southern Ocean Observing System. <i>Oceanography</i> , 2012, 25, 68-69. | 0.5 | 30 |
| 68 | Influence of Ross Sea Bottom Water changes on the warming and freshening of the Antarctic Bottom Water in the Australian-Antarctic Basin. <i>Ocean Science</i> , 2012, 8, 419-432. | 1.3 | 49 |
| 69 | Decadal changes in the South Pacific western boundary current system revealed in observations and ocean state estimates. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 70 |
| 70 | Frontal movements and property fluxes: Contributions to heat and freshwater trends in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 33 |
| 71 | Summer hydrography on the shelf off Terre Adélie/George V Land based on the ALBION and CEAMARC observations during the IPY. <i>Polar Science</i> , 2011, 5, 88-103. | 0.5 | 27 |
| 72 | Mercury in the Southern Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4037-4052. | 1.6 | 209 |

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| 73 | Near-bottom current direction inferred from comatulid crinoid feeding postures on the Terre Ad lie and George V shelf, East Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 163-169. | 0.6 | 10 |
| 74 | Regional circulation and its impact on upper ocean variability south of Tasmania. Deep-Sea Research Part II: Topical Studies in Oceanography, 2011, 58, 2071-2081. | 0.6 | 35 |
| 75 | Parameterization of eddy-induced subduction in the Southern Ocean surface-layer. Ocean Modelling, 2011, 39, 146-153. | 1.0 | 19 |
| 76 | Variability and mesoscale activity of the Southern Ocean fronts: Identification of a circumpolar coordinate system. Ocean Modelling, 2011, 39, 79-96. | 1.0 | 17 |
| 77 | Estimating the Four-Dimensional Structure of the Southern Ocean Using Satellite Altimetry. Journal of Atmospheric and Oceanic Technology, 2011, 28, 548-568. | 0.5 | 65 |
| 78 | Mean-flow and topographic control on surface eddy-mixing in the Southern Ocean. Journal of Marine Research, 2011, 69, 753-777. | 0.3 | 34 |
| 79 | Climate change cascades: Shifts in oceanography, species' ranges and subtidal marine community dynamics in eastern Tasmania. Journal of Experimental Marine Biology and Ecology, 2011, 400, 17-32. | 0.7 | 525 |
| 80 | Subantarctic mode water: distribution and circulation. Ocean Dynamics, 2011, 61, 103-126. | 0.9 | 64 |
| 81 | The Southern Ocean in the Earth System. , 2011, , 175-187. | | 6 |
| 82 | Southern Ocean Thermocline Ventilation. Journal of Physical Oceanography, 2010, 40, 509-529. | 0.7 | 206 |
| 83 | Perfluorinated compounds in the Antarctic region: Ocean circulation provides prolonged protection from distant sources. Environmental Pollution, 2010, 158, 2985-2991. | 3.7 | 63 |
| 84 | Zonally asymmetric response of the Southern Ocean mixed-layer depth to the Southern Annular Mode. Nature Geoscience, 2010, 3, 273-279. | 5.4 | 203 |
| 85 | Strong export of Antarctic Bottom Water east of the Kerguelen plateau. Nature Geoscience, 2010, 3, 327-331. | 5.4 | 60 |
| 86 | Rapid response of the East Australian Current to remote wind forcing: The role of barotropic-baroclinic interactions. Journal of Marine Research, 2010, 68, 413-431. | 0.3 | 15 |
| 87 | Changes in the Subduction of Southern Ocean Water Masses at the End of the Twenty-First Century in Eight IPCC Models. Journal of Climate, 2010, 23, 6526-6541. | 1.2 | 48 |
| 88 | Estimating the biodiversity of the East Antarctic shelf and oceanic zone for ecoregionalisation: Example of the ichthyofauna of the CEAMARC (Collaborative East Antarctic Marine Census) CAML surveys. Polar Science, 2010, 4, 115-133. | 0.5 | 39 |
| 89 | Antarctic Bottom Water from the Ad lie and George V Land coast, East Antarctica (140  149  E). Journal of Geophysical Research, 2010, 115, . | 3.3 | 98 |
| 90 | Regional circulation around Heard and McDonald Islands and through the Fawn Trough, central Kerguelen Plateau. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 653-669. | 0.6 | 19 |

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| 91 | Subantarctic Mode Water variability influenced by mesoscale eddies south of Tasmania. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 27 |
| 92 | Impacts of Climate Change on the Subduction of Mode and Intermediate Water Masses in the Southern Ocean. <i>Journal of Climate</i> , 2009, 22, 3289-3302. | 1.2 | 49 |
| 93 | Circumpolar structure and distribution of the Antarctic Circumpolar Current fronts: 2. Variability and relationship to sea surface height. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 178 |
| 94 | Circumpolar structure and distribution of the Antarctic Circumpolar Current fronts: 1. Mean circumpolar paths. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 283 |
| 95 | The response of the Antarctic Circumpolar Current to recent climate change. <i>Nature Geoscience</i> , 2008, 1, 864-869. | 5.4 | 495 |
| 96 | Wind forced low frequency variability of the East Australia Current. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 131 |
| 97 | Formation and export of dense shelf water from the AdÃ©lie Depression, East Antarctica. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 114 |
| 98 | Rapid development and persistence of a massive Antarctic sea ice tongue. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 11 |
| 99 | Southern Ocean frontal structure and sea-ice formation rates revealed by elephant seals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11634-11639. | 3.3 | 152 |
| 100 | Multiple Jets of the Antarctic Circumpolar Current South of Australia*. <i>Journal of Physical Oceanography</i> , 2007, 37, 1394-1412. | 0.7 | 180 |
| 101 | Rapid freshening of Antarctic Bottom Water formed in the Indian and Pacific oceans. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 176 |
| 102 | A series of cyclonic eddies in the Antarctic Divergence off AdÃ©lie Coast. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 17 |
| 103 | Variations in behavior and condition of a Southern Ocean top predator in relation to <i>in situ</i> oceanographic conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13705-13710. | 3.3 | 291 |
| 104 | Southern Ocean overturning across streamlines in an eddy simulation of the Antarctic Circumpolar Current. <i>Ocean Science</i> , 2007, 3, 491-507. | 1.3 | 53 |
| 105 | On the relationship between fronts of the Antarctic Circumpolar Current and surface chlorophyll concentrations in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 178 |
| 106 | Tracking the Polar Front south of New Zealand using penguin dive data. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 591-607. | 0.6 | 36 |
| 107 | Freshening of the AdÃ©lie Land Bottom Water near 140°E. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 111 |
| 108 | Oceanic evidence of climate change in southern Australia over the last three centuries. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a. | 1.5 | 58 |

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|-----|--|-----|-----------|
| 109 | Upper ocean temperature and the baroclinic transport stream function relationship in Drake Passage. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 13 |
| 110 | A high resolution transect of dissolved barium in the Southern Ocean. <i>Geophysical Research Letters</i> , 2004, 31, . | 1.5 | 27 |
| 111 | Seasonal and interannual evolution of the mixed layer in the Antarctic Zone south of Tasmania. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 2047-2072. | 0.6 | 27 |
| 112 | Cold-core anomalies at the subantarctic front, south of Tasmania. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1417-1440. | 0.6 | 42 |
| 113 | Subsurface structure of interannual temperature anomalies in the Australian sector of the Southern Ocean. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 16 |
| 114 | Eddies revealed by SeaWiFS ocean color images in the Antarctic Divergence zone near 140°E. <i>Geophysical Research Letters</i> , 2003, 30, . | 1.5 | 22 |
| 115 | Fronts and upper ocean thermal variability south of New Zealand. <i>Antarctic Science</i> , 2003, 15, 141-152. | 0.5 | 32 |
| 116 | A Mean Synoptic View of the Subantarctic Front South of Australia. <i>Journal of Physical Oceanography</i> , 2002, 32, 1536-1553. | 0.7 | 24 |
| 117 | A 6 year record of baroclinic transport variability of the Antarctic Circumpolar Current at 140°E derived from expendable bathythermograph and altimeter measurements. <i>Journal of Geophysical Research</i> , 2002, 107, 19-1. | 3.3 | 45 |
| 118 | Ekman Transport Dominates Local Air-Sea Fluxes in Driving Variability of Subantarctic Mode Water. <i>Journal of Physical Oceanography</i> , 2002, 32, 1308-1321. | 0.7 | 159 |
| 119 | Structure of Southern Ocean fronts at 140°E. <i>Journal of Marine Systems</i> , 2002, 37, 151-184. | 0.9 | 228 |
| 120 | The Southern Ocean Limb of the Global Deep Overturning Circulation*. <i>Journal of Physical Oceanography</i> , 2001, 31, 143-173. | 0.7 | 320 |
| 121 | Chapter 4.6 The antarctic circumpolar current system. <i>International Geophysics</i> , 2001, , 271-XXXVI. | 0.6 | 177 |
| 122 | A persistent subsurface chlorophyll maximum in the Interpolar Frontal Zone south of Australia: Seasonal progression and implications for phytoplankton-light-nutrient interactions. <i>Journal of Geophysical Research</i> , 2001, 106, 31543-31557. | 3.3 | 103 |
| 123 | Seasonal evolution of the mixed layer in the Subantarctic zone south of Australia. <i>Journal of Geophysical Research</i> , 2001, 106, 31447-31462. | 3.3 | 138 |
| 124 | Baroclinic transport variability of the Antarctic Circumpolar Current south of Australia (WOCE). <i>Journal of Physical Oceanography</i> , 2001, 31, 143-173. | 3.3 | 167 |
| 125 | On the zonal and meridional circulation and ocean transports between Tasmania and Antarctica. <i>Journal of Geophysical Research</i> , 2001, 106, 2795-2814. | 3.3 | 37 |
| 126 | Circulation and seasonal evolution of polar waters south of Australia: implications for iron fertilization of the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 2439-2466. | 0.6 | 130 |

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|-----|--|------|-----------|
| 127 | A Two-Dimensional Gravest Empirical Mode Determined from Hydrographic Observations in the Subantarctic Front. <i>Journal of Physical Oceanography</i> , 2001, 31, 2186-2209. | 0.7 | 118 |
| 128 | Introduction to special section: SAZ Project. <i>Journal of Geophysical Research</i> , 2001, 106, 31425-31429. | 3.3 | 35 |
| 129 | Circulation, Renewal, and Modification of Antarctic Mode and Intermediate Water*. <i>Journal of Physical Oceanography</i> , 2001, 31, 1005-1030. | 0.7 | 297 |
| 130 | Eddy Variability and Energetics from Direct Current Measurements in the Antarctic Circumpolar Current South of Australia. <i>Journal of Physical Oceanography</i> , 2000, 30, 3050-3076. | 0.7 | 146 |
| 131 | Circulation and water masses of the southwest Pacific: WOCE Section P11, Papua New Guinea to Tasmania. <i>Journal of Marine Research</i> , 2000, 58, 223-268. | 0.3 | 108 |
| 132 | A mesoscale phytoplankton bloom in the polar Southern Ocean stimulated by iron fertilization. <i>Nature</i> , 2000, 407, 695-702. | 13.7 | 1,417 |
| 133 | Estimates of Area-Averaged Diapycnal Fluxes from Basin-Scale Budgets. <i>Journal of Physical Oceanography</i> , 2000, 30, 2320-2341. | 0.7 | 44 |
| 134 | The Diabatic Deacon Cell*. <i>Journal of Physical Oceanography</i> , 2000, 30, 3212-3222. | 0.7 | 311 |
| 135 | A late winter hydrographic section from Tasmania to Antarctica. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1999, 46, 1417-1454. | 0.6 | 193 |
| 136 | Some Remarks on Interpolation of Nonstationary Oceanographic Fields. <i>Journal of Atmospheric and Oceanic Technology</i> , 1999, 16, 1434-1449. | 0.5 | 20 |
| 137 | Controls on phytoplankton production in the Australasian sector of the subtropical convergence. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1998, 45, 1627-1661. | 0.6 | 48 |
| 138 | The Role of the Oceans in Southern Hemisphere Climate. , 1998, , 283-306. | | 6 |
| 139 | Do Box Inverse Models Work?. <i>Journal of Physical Oceanography</i> , 1997, 27, 291-308. | 0.7 | 38 |
| 140 | Seasonal evolution of upper ocean thermal structure between Tasmania and Antarctica. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 1185-1202. | 0.6 | 126 |
| 141 | Oceanic Data Analysis Using a General Circulation Model. Part II: A North Atlantic Model. <i>Journal of Physical Oceanography</i> , 1992, 22, 1458-1485. | 0.7 | 38 |
| 142 | South Atlantic interbasin exchange. <i>Journal of Geophysical Research</i> , 1991, 96, 2675-2692. | 3.3 | 285 |
| 143 | Mass, heat, oxygen and nutrient fluxes and budgets in the North Atlantic Ocean. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1991, 38, S355-S377. | 1.6 | 93 |
| 144 | On the Origin and Influence of AdÃ©lie Land Bottom Water. <i>Antarctic Research Series</i> , 0, , 151-171. | 0.2 | 150 |