

Publications

Book chapters

1. Holbrook, N. J., 1997: Oceans and Climate: Commentary. Chapter 6 in *Assessing Climate Change: Results from the Model Evaluation Consortium for Climate Assessment*, eds. W. Howe and A. Henderson-Sellers. Gordon and Breach Science Publishers, pp.115–124.

Refereed Journal Articles

2. Banks, S. C., M. P. Piggott, J. E. Williamson, U. Bove, N. J. Holbrook and L. B. Beheregaray, 2007: Oceanic variability and coastal topography shape local genetic structure in a long-dispersing marine invertebrate. *Ecology* [accepted 10 April 2007].
3. Perkins, S. E., A. J. Pitman, N. J. Holbrook and J. McAneney, 2007: Ability of global climate models at a regional scale over Australia. *International Journal of Global Environmental Issues* [accepted February 2007].
4. Holbrook, N. J. and A. M. Maharaj, 2007: Southwest Pacific Subtropical Mode Water: a climatology. *Progress in Oceanography* [acceptance recommended 25 January 2007].
5. Perkins, S. E., A. J. Pitman, N. J. Holbrook and J. McAneney, 2007: Evaluation of the AR4 climate models' simulated daily maximum temperature, minimum temperature and precipitation over Australia using probability density functions. *Journal of Climate* [accepted 25 January 2007].
6. Maharaj, A. M., P. Cipollini, N. J. Holbrook, P. D. Killworth and J. R. Blundell, 2007: An evaluation of the classical and extended Rossby wave theories in explaining spectral estimates of the first few baroclinic modes in the South Pacific Ocean. *Ocean Dynamics* [published online 30 January 2007] DOI 10.1007/s10236-006-0099-5.

7. McGregor, S., N. J. Holbrook and S. B. Power, 2007: Interdecadal sea surface temperature variability in the equatorial Pacific Ocean. Part I: the role of off-equatorial wind stresses and oceanic Rossby waves. *Journal of Climate*, **20**, 2643–2658.
8. Lyth, A., N. J. Holbrook and P. J. Beggs, 2005: Climate, urbanisation and vulnerability to vector-borne disease in subtropical coastal Australia: Sustainable policy for a changing environment. *Global Environmental Change Part B: Environmental Hazards*, **6**(4), 189–200. doi:10.1016/j.hazards.2006.10.001.
9. Holbrook, N. J., P. S-L. Chan, and S. A. Venegas, 2005: Oscillatory and propagating modes of temperature variability at the 3--3.5- and 4--4.5-yr time scales in the upper southwest Pacific Ocean. *Journal of Climate*, **18**, 719–736, 1637–1639.
10. Holbrook, N. J. and E. Devonshire, 2005: Simulating scientific thinking online: An example of research-led teaching. *Higher Education Research and Development (HERD)*, **24**(3), 201–213.
11. Bagnoud, N., A. J. Pitman, B. J. McAvaney and N. J. Holbrook, 2005: The contribution of the land surface energy balance complexity to differences in means, variances and extremes using the AMIP-II methodology. *Climate Dynamics*, **25**, 171–188, DOI 10.1007/s00382-005-0004-9.
12. Maharaj, A. M., P. Cipollini and N. J. Holbrook, 2005: Observed variability of the South Pacific westward sea level anomaly signal in the presence of bottom topography. *Geophysical Research Letters*, **32**, L04611, doi:10.1029/2004GL020966.
13. Lyth, A., P. J. Beggs and N. J. Holbrook, 2005: Vector borne disease in urban subtropical coastal zones: planning perspectives for an emerging natural hazard. In: R.J. Morrison, S. Quin and E.A. Bryant (Editors) 'Planning for Natural Hazards - How Can We Mitigate the Impacts', GeoQuEST Research Centre, School of Earth and Environmental Sciences, University of Wollongong, NSW 2522, pp 89–102.
14. McGregor, S., N. J. Holbrook, and S. B. Power, 2004: On the dynamics of interdecadal thermocline depth and sea surface temperature variability in the low to mid-latitude Pacific

- Ocean. *Geophysical Research Letters*, **31**, L24201, doi:10.1029/2004GL021241.
15. McDonnell, K. A., and N. J. Holbrook, 2004a: A Poisson regression model of tropical cyclogenesis for the Australian–southwest Pacific Ocean region. *Weather and Forecasting*, **19**, 440–455.
 16. McDonnell, K. A., and N. J. Holbrook, 2004b: A Poisson regression model approach to predicting tropical cyclogenesis in the Australian/southwest Pacific Ocean region using the SOI and saturated equivalent potential temperature gradient as predictors. *Geophysical Research Letters*, **31**, L20110, doi:10.1029/2004GL020843.
 17. Pitman, A. J., G. T. Narisma, R. A. Pielke Sr., and N. J. Holbrook, 2004: The impact of land cover change on the climate of southwest Western Australia. *Journal of Geophysical Research – Atmospheres*, **109**, D18109, doi:10.1029/2003JD004347.
 18. Holbrook, N. J., and E. Devonshire, 2003: Facilitating student understanding about climate science: El Niño as an online case study. In: *Proceedings of Improving Learning Outcomes Through Flexible Science Teaching*, UniServe Science Symposium, The University of Sydney, 3 October 2003, UniServe Science, pp.31–36.
 19. Done, S. J., N. J. Holbrook, and P. J. Beggs, 2002: The Quasi-Biennial Oscillation and Ross River virus incidence in Queensland, Australia. *International Journal of Biometeorology*, **46**, 202–207.
 20. Perkins, M. L., and N. J. Holbrook, 2001: Can Pacific Ocean thermocline depth anomalies be simulated by a simple linear vorticity model? *Journal of Physical Oceanography*, **31**, 1786–1806.
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28. Holbrook, N. J., and N. L. Bindoff, 1997: Interannual and decadal temperature variability in the southwest Pacific Ocean between 1955 and 1988. *Journal of Climate*, **10**, 1035–1049.

Book Reviews

1. Holbrook, N., 1998: Review of ‘Mathematical Methods for Oceanographers’ by E. Laws, John Wiley and Sons, Inc. *International Society for Ecological Modelling (ISEM) Newsletter (Ecomod)*, December 1998, 12–14.
2. Holbrook, N., 1998: Review of ‘El Niño Southern Oscillation and Climatic Variability’ by R. Allan, J. Lindesay and D. Parker, CSIRO Publishing. *Australian Geographer*, **29**, 264.
3. Holbrook, N., 1997: Review of ‘The Weather and Climate of Australia and New Zealand’ by A. P. Sturman and N. J. Tapper, Oxford University Press, 1996. *Australian Geographer*, **28**, 117–118.