

## Papers in International Journals and Book Chapters:

1. Colman, R.A. and B.J. McAvaney, 2010: On tropospheric adjustment to forcing and climate feedbacks. *textitClimate Dynamics*, in press.
2. Moise A.F. and R.A. Colman, 2010: Tropical Australia and the Australian Monsoon: General Assessment and Projected Changes. Chapter 4 of 'Managing Climate Change: Papers from the Greenhouse2009 conference' Editors: I. Jubb, P. Holper and W. Cai. CSIRO Publishing, Melbourne.
3. Colman, R.A. and S.B. Power, 2010: Atmospheric feedbacks under unperturbed variability and transient climate change. *Climate Dynamics*, 34, 919-934, doi: 10.1007/s00382-009-0541-8.
4. Colman, R.A., and B.J. McAvaney, 2009: Climate feedbacks under a very broad range of forcing, *Geophysical Research Letters*, 36, L01702, doi: 10.1029/2008GL036268.
5. Soden, B.J., I.M. Held, R.A. Colman, K.M. Shell, J.T. Kiehl and C.A. Shields, 2008: Quantifying Climate Feedbacks using Radiative Kernels. *Journal of Climate*, 21, 3504-3520, doi: 10.1175/2007JCLI2110.1
6. Randall, D.A., R.A. Wood, S. Bony, R.A. Colman, T. Fichefet, J. Fyfe, V. Kattsov, A. Pitman, J. Shukla, J. Srinivasan, R.J. Stouffer, A. Sumi and K.E. Taylor, 2007: Climate Models and Their Evaluation. In: *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the IPCC* [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
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8. Power, S.B., M.H. Haylock, R.A. Colman and X. Wang, 2006: The predictability of interdecadal changes in ENSO activity and ENSO teleconnections. *Journal of Climate*, 19, 4755-4771.
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11. Power, S.B., R.A. Colman, X. Wang and P. Hope, 2005: Can we predict decadal changes in southern hemisphere climate? Chapter 10 of 'Predictions in ungauged basins: international perspectives on the state of the art and pathways forward', Franks, S.W., M. Sivapalan, K. Takeuchi and Y. Tachikawa, Eds. International Association of Hydrological Sciences Publication 301, Pp 109-113.
12. Moise, A.F., R.A. Colman, H. Zhang and participating CMIP2 modelling groups, 2005: Coupled model simulations of current Australian climate and its changes under greenhouse warming: an analysis of 18 CMIP2 models. *Australian Meteorological Magazine*, 54, 291-307.
13. Colman, R.A., 2004: On the Structure of Water Vapour Feedbacks in Climate Models. *Geophysical Research Letters*, 31, L21109, doi:10.1029/2004GL020708.
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16. Davey, M.K., *et al.* (Including R.A. Colman), 2002: STOIC: a study of coupled model climatology and variability in tropical ocean regions. *Climate Dynamics*, 18, 403-420.
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20. McAvaney, B.J., *et al.*, 'Model Evaluation', Chapter 8 of *IPCC Climate Change 2001: The Third Assessment Report* (as contributing author).
21. Colman, R.A., J.R. Fraser and L. Rotstayn, 2001: Climate Feedbacks in a General Circulation Model Incorporating Prognostic Clouds. *Climate Dynamics*, 18, 103-122.

22. Watterson, I.G., M.R. Dix and R.A. Colman, 1999: A Comparison of Present and Doubled CO<sub>2</sub>, Climates and Feedbacks Simulated by Three GCMs. *Journal of Geophysical Research*, 104, 1943-1956.
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26. Legge, G.J.F., G.R. Moloney, R.A. Colman and G.L. Allan, 1996: High velocity ion microprobes and their source requirements. *Reviews of Scientific Instruments*. 67, 909-914.
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38. Gleckler, P.J., *et al.* (Including R.A. Colman), 1995: Cloud radiative effects on implied oceanic energy transports as simulated by atmospheric general circulation models. *Geophysical Research Letters*, 22, 7917-794.
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46. Cess, R.D., *et al.* (Including R.A. Colman), 1993: Uncertainties in CO<sub>2</sub> radiative forcing in atmospheric general circulation models. *Science*, 262, 1252-1255.
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Popular Science Journals:

1. Collins, W., R.A. Colman, J. Haywood, M.R. Manning and P. Mote, 2007: The Physical Science behind Climate Change. *Scientific American*, 297, 64-71.

BMRC/Bureau of Meteorology/CAWCR Research Reports and Technical Reports:

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2. Power, S.B., M.H. Haylock, R.A. Colman and X. Wang, 2005: Asymmetry in the Australian response to ENSO and the predictability of inter-decadal changes in ENSO teleconnections. *BMRC Research Report No. 113*, 37pp.
3. Moise, A.F., R.A. Colman and H. Zhang, 2005: Coupled model simulations of Australian surface precipitation and temperature and their response to global warming in 18 CMIP2 models. *BMRC Research Report No. 106*, 51pp.
4. Colman, R.A., L. Deschamps, M.J. Naughton, L.J. Rikus, A. Sulaiman, K. Puri, G.L. Roff, Z. Sun and G. Embery, 2005: BMRC Atmospheric Model (BAM) version 3.0: Comparison with Mean Climatology. *BMRC Research Report, No. 108*, 57pp.

5. Lemus-Deschamps, L., J. Sisson, Z. Li, D. Hudson and R.A. Colman, 2005: The Model and Climatological Data Comparison System: Version 2 (MACCS 2). *Research Report No. 110*, 16pp.
6. Colman, R.A., 2005: The BMRC Climate Feedback Analysis System. *BMRC Research Report No. 109*, 33pp.
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12. Power, S.B., F. Tseitkin, R.A. Colman and A. Sulaiman, 1998: A coupled GCM for seasonal prediction and climate change research. *BMRC Research Report No. 66*, 52pp.
13. Power, S.B., R. Kleeman, R.A. Colman and B.J. McAvaney, 1995: Modelling the surface heat flux response to long-lived SST anomalies in the North Atlantic. *BMRC Research Report No. 48*.
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