

## **Matthews, Damon**

Davis, S. J.\*, Caldeira, K.\*, & **Matthews, H. D.** (2010). Future CO<sub>2</sub> emissions and climate change from existing energy infrastructure. *Science*, 329(5997), 1330-1333.

**Matthews, H. D.**, & Weaver, A. J. (2010). Committed climate warming. *Nature Geoscience*, 3(3), 142-143.

Turner, S. E., Fedigan, L. M., Nakamichi, M.\*, **Matthews, H. D.**, McKenna, K., Nobuhara, H.\*, et al. (2010). Birth in free-ranging macaca fuscata. *International Journal of Primatology*, 31(1), 15-37.

**Matthews, H. D.**, & Turner, S. E. (2009). Of mongooses and mitigation: Ecological analogues to geoengineering. *Environmental Research Letters*, 4(4)

Schmittner, A.\*, Urban, N. M.\*, Keller, K.\*, & **Matthews, H. D.** (2009). Using tracer observations to reduce the uncertainty of ocean diapycnal mixing and climate-carbon cycle projections. *Global Biogeochemical Cycles*, 23(4)

**Matthews, H. D.**, Gillett, N. P., Stott, P. A.\*, & Zickfeld, K. (2009). The proportionality of global warming to cumulative carbon emissions. *Nature*, 459(7248), 829-832.

Arora, V. K., & **Matthews, H. D.** (2009). Characterizing uncertainty in modeling primary terrestrial ecosystem processes. *Global Biogeochemical Cycles*, 23(2)

**Matthews, H. D.**, Cao, L.\*, & Caldeira, K.\* (2009). Sensitivity of ocean acidification to geoengineered climate stabilization. *Geophysical Research Letters*, 36(10)

Turner, S. E., Fedigan, L. M., Nobuhara, H.\*, Nobuhara, T.\*, **Matthews, H. D.**, & Nakamichi, M.\* (2008). Monkeys with disabilities: Prevalence and severity of congenital limb malformations in macaca fuscata on awaji island. *Primates*, 49(3), 223-226.

Plattner, G. -.\*, Knutti, R.\*, Joos, F.\*, Stocker, T. F.\*, von Bloh, W.\*, Brovkin, V.\*, et al. (2008). Long-term climate commitments projected with climate-carbon cycle models. *Journal of Climate*, 21(12), 2721-2751.

Schmittner, A.\*, Oeschler, A.\*, **Matthews, H. D.**, & Galbraith, E. D. (2008). Future changes in climate, ocean circulation, ecosystems, and biogeochemical cycling simulated for a business-as-usual CO<sub>2</sub> emission scenario until year 4000 AD. *Global Biogeochemical Cycles*, 22(1)

**Matthews, H. D.**, & Caldeira, K.\* (2008). Stabilizing climate requires near-zero emissions. *Geophysical Research Letters*, 35(4)

**Matthews, H. D.**, & Caldeira, K.\* (2007). Transient climate-carbon simulations of planetary geoengineering. *Proceedings of the National Academy of Sciences of the United States of America*, 104(24), 9949-9954.

**Matthews, H. D.**, Eby, M., Ewen, T., Friedlingstein, P.\*, & Hawkins, B. J. (2007). What determines the magnitude of carbon cycle-climate feedbacks? *Global Biogeochemical Cycles*, 21(2)

**Matthews, H. D.**, & Keith, D. W. (2007). Carbon-cycle feedbacks increase the likelihood of a warmer future. *Geophysical Research Letters*, 34(9)

**Matthews, H. D.** (2007). Implications of CO<sub>2</sub> fertilization for future climate change in a coupled climate-carbon model. *Global Change Biology*, 13(5), 1068-1078.

**Matthews, H. D.** (2006). Emissions targets for CO<sub>2</sub> stabilization as modified by carbon cycle feedbacks. *Tellus, Series B: Chemical and Physical Meteorology*, 58(5), 591-602.

Friedlingstein, P.\*, Cox, P., Betts, R.\*, Bopp, L.\*, von Bloh, W.\*, Brovkin, V.\*, et al. (2006). Climate-carbon cycle feedback analysis: Results from the C4MIP model intercomparison. *Journal of Climate*, 19(14), 3337-3353.

Brovkin, V.\*, Claussen, M.\*, Driesschaert, E.\*, Fichefet, T.\*, Kicklighter, D.\*, Loutre, M. F.\*, et al. (2006). Biogeophysical effects of historical land cover changes simulated by six earth system models of intermediate complexity. *Climate Dynamics*, 26(6), 587-600.