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Selected Peer-reviewed Publications

- Michener, W., A. McKee, K. Bildstein, W.W. Hargrove, D. McClearn, R. Parmenter, and M. Stromberg. 2008. Biological Field Stations: Research Legacies and Sites for Serendipity. *BioScience* (submitted).
- Baker, B.B., H.F. Diaz, W.W. Hargrove, and F.M. Hoffman. 2008. [Use of the Koppen-Trewartha climate classification to evaluate climatic refugia in statistically derived ecoregions for the People's Republic of China.](#) *Climatic Change* (submitted).
- Keller, M., D.S. Schimel, W.W. Hargrove, and F.M. Hoffman. 2008. [A Continental Strategy for the National Ecological Observatory Network.](#) *Frontiers in Ecology and the Environment* 6(5):282-284.
- Williams, C.L., W.W. Hargrove, M. Liebman, and D.E. James. 2008. [Agro-ecoregionalization of Iowa using Multivariate Geographical Clustering.](#) *Agriculture, Ecosystems, & Environment* 123:161-171.
- Schimel, D., W.W. Hargrove, F.M. Hoffman, and J. MacMahon. 2007. [NEON: A Hierarchically Designed National Ecological Network.](#) *Frontiers in Ecology and the Environment* 5(2):59.
- Nightingale, J.M, N.C. Coops, R.H. Waring, and W.W. Hargrove. 2007. [Comparison of MODIS gross primary production estimates for forests across the USA with those generated by a simple process model, 3-PGS.](#) *Remote Sensing of Environment* 109:500-509.
- Sundareswar, P.V, et al. 2007. [Environmental monitoring network for India.](#) *Science (Policy Forum)* 316:204-205.
- Pittman, J.V., et al. 2007. [Transport in the subtropical lowermost stratosphere during the Cirrus Regional Study of Tropical Anvils and Cirrus Layers – Florida Area Cirrus Experiment.](#) *Journal of Geophysical Research - Atmospheres* 112, D08304, DOI:10.1029/2006JD007851.
- Hargrove, W.W., F.M. Hoffman, and P.F. Hessburg. 2005. [Mapcurves: A generalized algorithm for quantitative comparison of categorical maps.](#) *Journal of Geographical Systems* 8(2):187-208. DOI 10.1007/s10109-006-0025-x
- Hargrove, W.W., F.M. Hoffman, and R.A. Efroymson. 2005. [A practical map-analysis tool for detecting potential dispersal corridors.](#) *Landscape Ecology* 20(4):361-373.
- White, M.A., F.M. Hoffman, W.W. Hargrove, and R.R. Nemani. 2005. [A global framework for monitoring phenological responses to climate change.](#) *Geophysical Research Letters* 32(4):L04705, doi:10.1029/2004GL021961.
- Saxon, E., B. Baker, W.W. Hargrove, F.M. Hoffman, and C. Zganjar. 2005. [Mapping environments at risk under different global climate change scenarios.](#) *Ecology Letters* 8:53-60.
- Hoffman, F.M., W.W. Hargrove, D.J. Erickson, III, and R. Oglesby. 2005. [Using clustered climate regimes to analyze and compare predictions from fully coupled general circulation models.](#) *Earth Interactions* 9:1-27.

- Hargrove, W.W., and F.M. Hoffman. 2004. [The potential of multivariate quantitative methods for delineation and visualization of ecoregions](#). *Environmental Management* 34(5):S39-S60, doi: 10.1007/S00267-003-1084-0.
- Martinez-Meyer, E., A. Townsend Peterson, and W.W. Hargrove. 2004. [Ecological niches as stable distributional constraints on mammal species, with implications for Pleistocene extinctions and climate change projections for biodiversity](#). *Global Ecology and Biogeography* 13:305-314.
- Peterson, A.T., R. Scachetti-Pereira, and W.W. Hargrove. 2004. [Potential geographic distribution of *Anoplophora glabripennis* \(Coleoptera: Cerambycidae\) in North America](#). *American Midland Naturalist* 151(1):170-178.
- Hargrove, W.W., F.M. Hoffman, and B.E. Law. 2003. [New Analysis Reveals Representativeness of the AmeriFlux Network](#). *Eos* 84(48):529-535.
- Hargrove, W.W., F.M. Hoffman, and P.M. Schwartz. 2002. [A Fractal Landscape Realizer for generating synthetic maps](#). *Conservation Ecology* 6(1): 2. [online]: <http://www.consecol.org/vol6/iss1/art2>
- Huff, D.D., W.W. Hargrove, R.L. Graham, N.T. Nikolov, and M. Lynn Tharp. 2002. [A GIS/simulation framework for assessing change in water yield over large spatial scales](#). *Environmental Management* 29(2):164-181.
- Luxmoore, R.L., W.W. Hargrove, M. Lynn Tharp, W. Mac Post, M.W. Berry, K.S. Minser, W.P. Cropper, Jr., D.W. Johnson, B. Zeide, R.L. Amateis, H.E. Burkhart, V.C. Baldwin, Jr., and K.D. Peterson. 2002. [Addressing multi-use issues in sustainable forest management with signal-transfer modeling](#). *Forest Ecology and Management* 165:295-304.
- Chen, L., M.W. Berry, and W.W. Hargrove. 2001. [Using dendronal signatures for feature extraction and retrieval](#). *International Journal of Imaging Systems and Technology* 11(4):243-253.
- Clark, M.E., K.A. Rose, D.A. Levine, and W.W. Hargrove. 2001. [Predicting climate change effects on Appalachian trout: combining GIS and individual-based modeling](#). *Ecological Applications* 11(1):161-178.
- Hargrove, W.W., F.M. Hoffman, and T.L. Sterling. 2001. [The do-it-yourself supercomputer](#). *Scientific American* 256(2):72-79.
- Hargrove, W.W., R.H. Gardner, M.G. Turner, W.H. Romme, and D.G. Despain. 2000. [Simulating fire patterns in heterogeneous landscapes](#). *Ecological Modelling* 135(2-3):243-263.
- Huff, D.D., W.W. Hargrove, M.L. Tharp, and R.L. Graham. 2000. [Managing forests for water yield: the importance of scale](#). *Journal of Forestry* 98(12):15-19.
- Jager, H.I., W.W. Hargrove, C.C. Brandt, A.W. King, R.J. Olson, J.M.O. Scurlock, and K.A. Rose. 2000. [Constructive contrasts between modeled and measured climate responses over a regional scale](#). *Ecosystems* 3(4):396-411.
- Luxmoore, R.J., W.W. Hargrove, M.L. Tharp, W.M. Post, M.W. Berry, K.S. Minser, W.P. Cropper, D.W. Johnson, B. Zeide, R.L. Amateis, H.E. Burkhart, V.C. Baldwin, Jr., and K.D. Peterson. 2000. [Signal-transfer modeling for regional assessment of forest responses to environmental changes in the southeastern United States](#). *Environmental Modeling and Assessment* 5(2):125-137.
- Mahinthakumar, G., F.M. Hoffman, W.W. Hargrove, and N.T. Karonis. 2000. [Multivariate Geographic Clustering in a metacomputing environment using Globus](#). *Proceedings of the ACM/IEEE Supercomputing '99 (SC99) Conference*, Nov. 13-15, Portland, OR. <http://climate.ornl.gov/~forrest/sc99/>
- Mann, L.K., A.W. King, R.A. Washington-Allen, W.W. Hargrove, V.H. Dale, T.L. Ashwood, and L.R. Pounds. 2000. [The role of soil classification in GIS modeling of habitat pattern: threatened calcareous ecosystems](#). *Ecosystems* 2(6):524-538.
- Stoms, D.M., and W.W. Hargrove. 2000. Modeling potential NDVI to monitor environmental stress. *International Journal of Remote Sensing* 21(2):401-407.