The thermodynamics and kinetics of microbial metabolism

Qusheng Jin and Craig M. Bethke 643

Near-surface hydrologic response for a steep, unchannelled catchment near Coos Bay, Oregon: 1. Sprinkling experiments

Brian A. Ebel, Keith Loague, William E. Dietrich, David R. Montgomery, Raymond Torres, Suzanne P. Anderson, and Thomas W. Giambelluca 678

Near-surface hydrologic response for a steep, unchannelled catchment near Coos Bay, Oregon: 2. Physics-based simulations

Brian A. Ebel, Keith Loague, Joel E. Vanderkwaak, William E. Dietrich, David R. Montgomery, Raymond Torres, and Suzanne P. Anderson 709

Northward extension of Carolina slate belt stratigraphy and structure, south-central Virginia: Results from geologic mapping

Paul C. Hackley, John D. Peper, William C. Burton, and J. Wright Horton, Jr. 749