

Regular Articles

- W04501** *Dai Yamazaki, Shinjiro Kanae, Hyungjun Kim, and Taikan Oki*
A physically based description of floodplain inundation dynamics in a global river routing model
(doi 10.1029/2010WR009726)
- W04502** *Jun Yin, Roy Haggerty, Deborah L. Stoliker, Douglas B. Kent, Jonathan D. Istok, Janek Greskowiak, and John M. Zachara*
Transient groundwater chemistry near a river: Effects on U(VI) transport in laboratory column experiments
(doi 10.1029/2010WR009369)
- W04503** *S. J. Bartlett and M. Lehning*
A theoretical assessment of heat transfer by ventilation in homogeneous snowpacks (doi 10.1029/2010WR010008)
- W04504** *Hoori Ajami, Peter A. Troch, Thomas Maddock III, Thomas Meixner, and Chris Eastoe*
Quantifying mountain block recharge by means of catchment-scale storage-discharge relationships
(doi 10.1029/2010WR009598)
- W04505** *András Bárdossy and Geoffrey Pegram*
Downscaling precipitation using regional climate models and circulation patterns toward hydrology
(doi 10.1029/2010WR009689)
- W04506** *Xingxing Kuang, Jiu Jimmy Jiao, Li Wan, Xusheng Wang, and Deqiang Mao*
Air and water flows in a vertical sand column (doi 10.1029/2009WR009030)
- W04507** *Abdullah Cihan and John S. Tyner*
2-D radial analytical solutions for solute transport in a dual-porosity medium (doi 10.1029/2009WR008969)
- W04508** *Fiona Johnson and Ashish Sharma*
Accounting for interannual variability: A comparison of options for water resources climate change impact assessments (doi 10.1029/2010WR009272)
- W04509** *Aaron Regberg, Kamini Singha, Ming Tien, Flynn Picardal, Quanxing Zheng, Jurgen Schieber, Eric Roden, and Susan L. Brantley*
Electrical conductivity as an indicator of iron reduction rates in abiotic and biotic systems
(doi 10.1029/2010WR009551)
- W04510** *Thomas Wöhling and Jasper A. Vrugt*
Multiresponse multilayer vadose zone model calibration using Markov chain Monte Carlo simulation and field water retention data (doi 10.1029/2010WR009265)
- W04511** *Shimelis G. Setegn, David Rayner, Assefa M. Melesse, Bijan Dargahi, and Raghavan Srinivasan*
Impact of climate change on the hydroclimatology of Lake Tana Basin, Ethiopia (doi 10.1029/2010WR009248)
- W04512** *Bhavna Arora, Binayak P. Mohanty, and Jennifer T. McGuire*
Inverse estimation of parameters for multidomain flow models in soil columns with different macropore densities
(doi 10.1029/2010WR009451)
- W04513** *L. R. Harrison, C. J. Legleiter, M. A. Wydzga, and T. Dunne*
Channel dynamics and habitat development in a meandering, gravel bed river (doi 10.1029/2009WR008926)
- W04514** *James A. Smith, Mary Lynn Baeck, Alexandros A. Ntelekos, Gabriele Villarini, and Matthias Steiner*
Extreme rainfall and flooding from orographic thunderstorms in the central Appalachians
(doi 10.1029/2010WR010190)

W04515 *Kehua You, Hongbin Zhan, and Jian Li*

Analysis of models for induced gas flow in the unsaturated zone (doi 10.1029/2010WR009985)

W04516 *J. Sreekanth and Bithin Datta*

Coupled simulation-optimization model for coastal aquifer management using genetic programming-based ensemble surrogate models and multiple-realization optimization (doi 10.1029/2010WR009683)

W04517 *L. Nicótina, D. G. Tarboton, T. K. Tesfa, and A. Rinaldo*

Hydrologic controls on equilibrium soil depths (doi 10.1029/2010WR009538)

Special Section in Progress

The Author Index is at the end of the issue.