

Opinions

- W09301** *Martyn P. Clark, Dmitri Kavetski, and Fabrizio Fenicia*
Pursuing the method of multiple working hypotheses for hydrological modeling
(doi 10.1029/2010WR009827)

Regular Articles

- W09501** *W. L. Hogarth, D. A. Lockington, D. A. Barry, M. B. Parlange, G. C. Sander, L. Li, R. Haverkamp, W. Brutsaert, and J.-Y. Parlange*
Analysis of time compression approximations (doi 10.1029/2010WR010298)
- W09502** *Ryan Plummer, Danuta de Grosbois, Rob de Loë, and Jonas Velaniškis*
Probing the integration of land use and watershed planning in a shifting governance regime
(doi 10.1029/2010WR010213)
- W09503** *Thomas Reimann, Christoph Rehl, W. Barclay Shoemaker, Tobias Geyer, and Steffen Birk*
The significance of turbulent flow representation in single-continuum models
(doi 10.1029/2010WR010133)
- W09504** *Marta Castagna, Matthew W. Becker, and Alberto Bellin*
Joint estimation of transmissivity and storativity in a bedrock fracture (doi 10.1029/2010WR009262)
- W09505** *Hilmar Hofmann, Andreas Lorke, and Frank Peeters*
Wind and ship wave-induced resuspension in the littoral zone of a large lake
(doi 10.1029/2010WR010012)
- W09506** *S. H. H. Shah, R. W. Vervoort, S. Suweis, A. J. Guswa, A. Rinaldo, and S. E. A. T. M. van der Zee*
Stochastic modeling of salt accumulation in the root zone due to capillary flux from brackish groundwater
(doi 10.1029/2010WR009790)
- W09507** *Gaurav Goel and Denis M. O'Carroll*
Experimental investigation of nonequilibrium capillarity effects: Fluid viscosity effects
(doi 10.1029/2010WR009861)
- W09508** *Markus Hilpert*
Determination of dimensional flow fields in hydrogeological settings via the MRT lattice-Boltzmann method
(doi 10.1029/2010WR010016)
- W09509** *Lei Cheng, Zongxue Xu, Dingbao Wang, and Ximing Cai*
Assessing interannual variability of evapotranspiration at the catchment scale using satellite-based evapotranspiration data sets (doi 10.1029/2011WR010636)
- W09510** *Hyun-Han Kwon, Upmanu Lall, and Vic Engel*
Predicting foraging wading bird populations in Everglades National Park from seasonal hydrologic statistics under different management scenarios (doi 10.1029/2010WR009552)
- W09511** *Eric J. Anderson and Mantha S. Phanikumar*
Surface storage dynamics in large rivers: Comparing three-dimensional particle transport, one-dimensional fractional derivative, and multirate transient storage models (doi 10.1029/2010WR010228)
- W09512** *Manoussos Valyrakis, Panayiotis Diplas, and Clint L. Dancy*
Entrainment of coarse grains in turbulent flows: An extreme value theory approach (doi 10.1029/2010WR010236)

- W09513** *N. Shokri and D. Or*
What determines drying rates at the onset of diffusion controlled stage-2 evaporation from porous media?
(doi 10.1029/2010WR010284)
- W09514** *Steven J. Berg and Walter A. Illman*
Capturing aquifer heterogeneity: Comparison of approaches through controlled sandbox experiments
(doi 10.1029/2011WR010429)
- W09515** *Leif G. Olmanson, Patrick L. Brezonik, and Marvin E. Bauer*
Evaluation of medium to low resolution satellite imagery for regional lake water quality assessments
(doi 10.1029/2011WR011005)
- W09516** *M. Schirmer, V. Wirz, A. Clifton, and M. Lehning*
Persistence in intra-annual snow depth distribution: 1. Measurements and topographic control
(doi 10.1029/2010WR009426)
- W09517** *M. Schirmer and M. Lehning*
Persistence in intra-annual snow depth distribution: 2. Fractal analysis of snow depth development
(doi 10.1029/2010WR009429)
- W09518** *A. I. Mejia and S. M. Reed*
Role of channel and floodplain cross-section geometry in the basin response
(doi 10.1029/2010WR010375)
- W09519** *Tze Ling Ng, J. Wayland Eheart, Ximing Cai, and John B. Braden*
An agent-based model of farmer decision-making and water quality impacts at the watershed scale under markets for carbon allowances and a second-generation biofuel crop (doi 10.1029/2011WR010399)
- W09520** *Felix Fundel and Massimiliano Zappa*
Hydrological ensemble forecasting in mesoscale catchments: Sensitivity to initial conditions and value of reforecasts
(doi 10.1029/2010WR009996)
- W09521** *Alex Abdelnour, Marc Stieglitz, Feifei Pan, and Robert McKane*
Catchment hydrological responses to forest harvest amount and spatial pattern
(doi 10.1029/2010WR010165)
- W09522** *Nikki Vercauteren, Hendrik Huwald, Elie Bou-Zeid, John S. Selker, Ulrich Lemmin, Marc B. Parlange, and Ivan Lunati*
Evolution of superficial lake water temperature profile under diurnal radiative forcing
(doi 10.1029/2011WR010529)
- W09523** *Matteo Bonalumi, Flavio S. Anselmetti, Ralf Kaegi, and Alfred Wüest*
Particle dynamics in high-Alpine proglacial reservoirs modified by pumped-storage operation
(doi 10.1029/2010WR010262)
- W09524** *X. Beuchat, B. Schaepli, M. Soutter, and A. Mermoud*
Toward a robust method for subdaily rainfall downscaling from daily data (doi 10.1029/2010WR010342)

- W09526** *Xin He, Jens Christian Refsgaard, Torben O. Sonnenborg, Flemming Vejen, and Karsten H. Jensen*
Statistical analysis of the impact of radar rainfall uncertainties on water resources modeling
(doi 10.1029/2011WR010670)
- W09527** *Dingbao Wang, Mohamad Hejazi, Ximing Cai, and Albert J. Valocchi*
Climate change impact on meteorological, agricultural, and hydrological drought in central Illinois
(doi 10.1029/2010WR009845)
- W09528** *Z. Hao and V. P. Singh*
Single-site monthly streamflow simulation using entropy theory (doi 10.1029/2010WR010208)
- W09529** *Taufique H. Mahmood and Enrique R. Vrvoni*
A climate-induced threshold in hydrologic response in a semiarid ponderosa pine hillslope
(doi 10.1029/2011WR010384)
- W09530** *Julia Reis, Teresa B. Culver, Matthew McCartney, Jonathan Lautze, and Solomon Kibret*
Water resources implications of integrating malaria control into the operation of an Ethiopian dam
(doi 10.1029/2010WR010166)
- W09531** *Carl J. Legleiter, Paul J. Kinzel, and Brandon T. Overstreet*
Evaluating the potential for remote bathymetric mapping of a turbid, sand-bed river: 1. Field spectroscopy and radiative transfer modeling (doi 10.1029/2011WR010591)
- W09532** *Carl J. Legleiter, Paul J. Kinzel, and Brandon T. Overstreet*
Evaluating the potential for remote bathymetric mapping of a turbid, sand-bed river: 2. Application to hyperspectral image data from the Platte River (doi 10.1029/2011WR010592)
- W09533** *Patryk M. Quinn, John A. Cherry, and Beth L. Parker*
Quantification of non-Darcian flow observed during packer testing in fractured sedimentary rock
(doi 10.1029/2010WR009681)
- W09534** *A. Castelletti, J. P. Antenucci, D. Limosani, X. Quach Thi, and R. Soncini-Sessa*
Interactive response surface approaches using computationally intensive models for multiobjective planning of lake water quality remediation (doi 10.1029/2011WR010552)

There is no **W09525** in this issue.

Technical Notes

- W09601** *Daniel L. McLaughlin and Matthew J. Cohen*
Thermal artifacts in measurements of fine-scale water level variation (doi 10.1029/2010WR010288)
- W09602** *Diogo Bolster, Marco Dentz, and Tanguy Le Borgne*
Hypermixing in linear shear flow (doi 10.1029/2011WR010737)
- W09603** *Xu-Sheng Wang, Xiao-Wei Jiang, Li Wan, Shemin Ge, and Hailong Li*
A new analytical solution of topography-driven flow in a drainage basin with depth-dependent anisotropy of permeability (doi 10.1029/2011WR010507)

Data and Analysis Notes

- W09701** *T. P. Burt and N. J. K. Howden*
A homogenous daily rainfall record for the Radcliffe Observatory, Oxford, from the 1820s
(doi 10.1029/2010WR010336)

Special Sections in Progress

The Author Index appears at the end of the issue.