

## Regular Articles

- W02501** *P. C. Leube, A. Geiges, and W. Nowak*  
Bayesian assessment of the expected data impact on prediction confidence in optimal sampling design  
(doi 10.1029/2010WR010137)
- W02502** *Woei Keong Kuan, Guangqiu Jin, Pei Xin, Clare Robinson, Badin Gibbes, and Ling Li*  
Tidal influence on seawater intrusion in unconfined coastal aquifers (doi 10.1029/2011WR010678)
- W02503** *Bruce J. MacVicar and Colin D. Rennie*  
Flow and turbulence redistribution in a straight artificial pool (doi 10.1029/2010WR009374)
- W02504** *John R. Olson and Charles P. Hawkins*  
Predicting natural base-flow stream water chemistry in the western United States  
(doi 10.1029/2011WR011088)
- W02505** *Sam Gorricks and José F. Rodríguez*  
Sediment dynamics in a sand bed stream with riparian vegetation (doi 10.1029/2011WR011030)
- W02506** *Md Abdur Rouf, Shoichiro Hamamoto, Ken Kawamoto, Toshihiro Sakaki, Toshiko Komatsu, and Per Moldrup*  
Unified measurement system with suction control for measuring hysteresis in soil-gas transport parameters  
(doi 10.1029/2011WR010615)
- W02507** *Sheng Peng, Qinhong Hu, and Shoichiro Hamamoto*  
Diffusivity of rocks: Gas diffusion measurements and correlation to porosity and pore size distribution  
(doi 10.1029/2011WR011098)
- W02508** *M. Shamsudduha, R. G. Taylor, and L. Longuevergne*  
Monitoring groundwater storage changes in the highly seasonal humid tropics: Validation of GRACE measurements in the Bengal Basin (doi 10.1029/2011WR010993)
- W02509** *Vladimir Cvetkovic and Andrew Frampton*  
Solute transport and retention in three-dimensional fracture networks (doi 10.1029/2011WR011086)
- W02510** *Yiming Chen, Chunhui Lu, and Jian Luo*  
Solute transport in divergent radial flow with multistep pumping (doi 10.1029/2011WR010692)
- W02511** *J. Lerat, V. Andréassian, C. Perrin, J. Vaze, J. M. Perraud, P. Ribstein, and C. Loumagne*  
Do internal flow measurements improve the calibration of rainfall-runoff models?  
(doi 10.1029/2010WR010179)
- W02512** *Harald Klammler, Kirk Hatfield, Joana Angélica Guimarães da Luz, Michael D. Annable, Mark Newman, Jaehyun Cho, Aaron Peacock, Valerie Stucker, James Ranville, Steven A. Cabaniss, and P. S. C. Rao*  
Contaminant discharge and uncertainty estimates from passive flux meter measurements  
(doi 10.1029/2011WR010535)
- W02513** *Yangwen Jia, Xiangyi Ding, Hao Wang, Zuhao Zhou, Yaqin Qiu, and Cunwen Niu*  
Attribution of water resources evolution in the highly water-stressed Hai River Basin of China  
(doi 10.1029/2010WR009275)
- W02514** *T. Lee and T. B. M. J. Ouarda*  
Stochastic simulation of nonstationary oscillation hydroclimatic processes using empirical mode decomposition  
(doi 10.1029/2011WR010660)

- W02515** *Scott C. Simpson and Thomas Meixner*  
Modeling effects of floods on streambed hydraulic conductivity and groundwater-surface water interactions  
(doi 10.1029/2011WR011022)
- W02516** *Kevan B. Moffett, Steven M. Gorelick, Robert G. McLaren, and Edward A. Sudicky*  
Salt marsh ecohydrological zonation due to heterogeneous vegetation-groundwater-surface water interactions  
(doi 10.1029/2011WR010874)
- W02517** *A. Revil*  
Spectral induced polarization of shaly sands: Influence of the electrical double layer  
(doi 10.1029/2011WR011260)
- W02518** *Raghavendra B. Jana and Binayak P. Mohanty*  
On topographic controls of soil hydraulic parameter scaling at hillslope scales  
(doi 10.1029/2011WR011204)
- W02519** *Raghavendra B. Jana and Binayak P. Mohanty*  
A topography-based scaling algorithm for soil hydraulic parameters at hillslope scales: Field testing  
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- W02520** *Raghavendra B. Jana and Binayak P. Mohanty*  
A comparative study of multiple approaches to soil hydraulic parameter scaling applied at the hillslope scale  
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- W02521** *David Finger, Georg Heinrich, Andreas Gobiet, and Andreas Bauder*  
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- W02522** *Alexandra G. Konings, Gabriel G. Katul, and Sally E. Thompson*  
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- W02523** *Chang Shu and Taha B. M. J. Ouarda*  
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- W02524** *Hongkyu Yoon, Albert J. Valocchi, Charles J. Werth, and Thomas Dewers*  
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- W02528** *Di Long and Vijay P. Singh*  
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- W02529** *Steven M. Jepsen, Noah P. Molotch, Mark W. Williams, Karl E. Rittger, and James O. Sickman*  
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- W02530** *Hossein Shamshiri and Behnam Jafarpour*  
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- W02531** *Thomas R. H. Holmes, Thomas J. Jackson, Rolf H. Reichle, and Jeffrey B. Basara*  
An assessment of surface soil temperature products from numerical weather prediction models using ground-based measurements (doi 10.1029/2011WR010538)
- W02532** *Samuel C. M. Krevor, Ronny Pini, Lin Zuo, and Sally M. Benson*  
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- W02533** *Andrew D. Parsekian, Lee Slater, and Daniel Giménez*  
Application of ground-penetrating radar to measure near-saturation soil water content in peat soils  
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- W02534** *A. Kuhlmann, I. Neuweiler, S. E. A. T. M. van der Zee, and R. Helmig*  
Influence of soil structure and root water uptake strategy on unsaturated flow in heterogeneous media  
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- W02535** *Yueqing Xie, Craig T. Simmons, Adrian D. Werner, and Hans-J. G. Diersch*  
Prediction and uncertainty of free convection phenomena in porous media (doi 10.1029/2011WR011346)

### **Commentaries**

- W02801** *Shlomo P. Neuman and Phoolendra K. Mishra*  
Comments on “A revisit of drawdown behavior during pumping in unconfined aquifers” by D. Mao, L. Wan, T.-C. J. Yeh, C.-H. Lee, K.-C. Hsu, J.-C. Wen, and W. Lu (doi 10.1029/2011WR010785)
- W02802** *T.-C. J. Yeh, D. Mao, L. Wan, C.-H. Lee, J.-C. Wen, and W. Lu*  
Replies to comments on “A revisit of drawdown behavior during pumping in unconfined aquifers” by Neuman and Mishra (doi 10.1029/2011WR011153)

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