

## Review Articles

- 6111 *D. A. Barry, G. C. Sander, S. Jomaa, L. Yeghiazarian, T. S. Steenhuis, and J. S. Selker*  
Solute and sediment transport at laboratory and field scale: Contributions of J.-Y. Parlange\* (10.1002/wrcr.20510)  
**\*This article is part of a Special Section—Hydrologic Discovery Through Physical Analysis Honoring the Scientific Legacies of W. Brutsaert and J.-Y. Parlange**
- 6137 *Xingxing Kuang, Jiu Jimmy Jiao, and Hailong Li*  
Review on airflow in unsaturated zones induced by natural forcings (10.1002/wrcr.20416)

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A general unified expression for solute and heat dispersion in homogeneous porous media (10.1002/wrcr.20488)
- 6179 *J. H. Stagge and G. E. Moglen*  
A nonparametric stochastic method for generating daily climate-adjusted streamflows (10.1002/wrcr.20448)
- 6194 *Sean K. Carey, Doerthe Tetzlaff, Jim Buttle, Hjalmar Laudon, Jeff McDonnell, Kevin McGuire, Jan Seibert, Chris Soulsby, and Jamie Shanley*  
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- 6208 *Yongchul Shin and Binayak P. Mohanty*  
Development of a deterministic downscaling algorithm for remote sensing soil moisture footprint using soil and vegetation classifications (10.1002/wrcr.20495)
- 6229 *I. Shefer, N. Schwartz, and A. Furman*  
The effect of free-phase NAPL on the spectral induced polarization signature of variably saturated soil (10.1002/wrcr.20502)
- 6238 *E. K. Oware, S. M. J. Moysey, and T. Khan*  
Physically based regularization of hydrogeophysical inverse problems for improved imaging of process-driven systems (10.1002/wrcr.20462)
- 6248 *G. J.-P. Schumann, J. C. Neal, N. Voisin, K. M. Andreadis, F. Pappenberger, N. Phanthuwongpakdee, A. C. Hall, and P. D. Bates*  
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- 6258 *Dani Or and Shmuel Assouline*  
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- 6286 *Jing Zhang, Wiktor Adamowicz, Diane P. Dupont, and Alan Krupnick*  
Assessing the extent of altruism in the valuation of community drinking water quality improvements (10.1002/wrcr.20447)
- 6298 *Judson W. Harvey, J. K. Böhlke, Mary A. Voytek, Durelle Scott, and Craig R. Tobias*  
Hyporheic zone denitrification: Controls on effective reaction depth and contribution to whole-stream mass balance\* (10.1002/wrcr.20492)  
**\*This article is part of a Special Section—New Modelling Approaches and Novel Experimental Technologies for Improved Understanding of Process Dynamics at Aquifer-Surface Water Interfaces**
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An analytical model for solute transport through a water-saturated single fracture and permeable rock matrix (10.1002/wrcr.20497)

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**\*This article is part of a Special Section—Oceanic Sources of Continental Precipitation**
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## Technical Notes

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## **Data and Analysis Notes**

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- 7159 *Marco Pilotti, Giulia Valerio, and Barbara Leoni*  
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- 7164 *Konstantinos M. Andreadis, Guy J.-P. Schumann, and Tamlin Pavelesky*  
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