

### Introduction to a Special Section

- 8654** *Jon Chorover, Louis A. Derry, and William H. McDowell*  
Concentration–Discharge Relations in the Critical Zone: Implications for Resolving Critical Zone Structure, Function, and Evolution\* (<https://doi.org/10.1002/2017WR021111>)

\*This article is part of a Special Section—Concentration-discharge Relations in the Critical Zone

### Research Articles

- 8660** *Julien Bouchez, Jean-Sébastien Moquet, Jhan Carlo Espinoza, Jean-Michel Martinez, Jean-Loup Guyot, Christelle Lagane, Naziano Filizola, Luis Noriega, Liz Hidalgo Sanchez, and Rodrigo Pombosa*  
River Mixing in the Amazon as a Driver of Concentration-Discharge Relationships\* (<https://doi.org/10.1002/2017WR020591>)
- \*This article is part of a Special Section—Concentration-discharge Relations in the Critical Zone
- 8686** *V. Ciriello, I. Lauriola, S. Bonvicini, V. Cozzani, V. Di Federico, and Daniel M. Tartakovsky*  
Impact of Hydrogeological Uncertainty on Estimation of Environmental Risks Posed by Hydrocarbon Transportation Networks (<https://doi.org/10.1002/2017WR021368>)
- 8698** *Zhifeng Yan, Chongxuan Liu, Yuanyuan Liu, and Vanessa L. Bailey*  
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- 8715** *A. J. Desbarats, T. Pal, P. K. Mukherjee, and R. D. Beckie*  
Geochemical Evolution of Groundwater Flowing Through Arsenic Source Sediments in an Aquifer System of West Bengal, India (<https://doi.org/10.1002/2017WR020863>)
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- 8760** *M. Rasmusson, F. Fagerlund, K. Rasmusson, Y. Tsang, and A. Niemi*  
Refractive-Light-Transmission Technique Applied to Density-Driven Convective Mixing in Porous Media With Implications for Geological CO<sub>2</sub> Storage (<https://doi.org/10.1002/2017WR020730>)
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Prediction of Hydrologic Characteristics for Ungauged Catchments to Support Hydroecological Modeling (<https://doi.org/10.1002/2017WR021119>)
- 8795** *Shmuel Assouline and Kfir Narkis*  
Evaporation From Soil Containers With Irregular Shapes (<https://doi.org/10.1002/2017WR021166>)
- 8807** *Zulia Mayari Sanchez-Mejia and Shirley A. Papuga*  
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- \*This article is part of a Special Section—Emergent Aquatic Carbon-nutrient Dynamics as Products of Hydrological, Biogeochemical, and Ecological Interactions
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