

Commentary

- 1425** *Peter Ashmore, Sarah Peirce, and Pauline Leduc*
Expanding the "Active Layer": Discussion of Church and Haschenburger (2017) What is the "Active Layer"? *Water Resources Research* 53, 5–10, Doi:10.1002/2016WR019675 (<https://doi.org/10.1002/2017WR022438>)

Research Articles

- 1428** *Cristina M. Evans, David G. Dritschel, and Michael B. Singer*
Modeling Subsurface Hydrology in Floodplains (<https://doi.org/10.1002/2017WR020827>)
- 1460** *Z. Mor, S. Assouline, J. Tanny, I. M. Lensky, and N. G. Lensky*
Effect of Water Surface Salinity on Evaporation: The Case of a Diluted Buoyant Plume Over the Dead Sea (<https://doi.org/10.1002/2017WR021995>)
- 1476** *Ruzbeh Akbar, Daniel Short Gianotti, Kaighin A. McColl, Erfan Haghighi, Guido D. Salvucci, and Dara Entekhabi*
Hydrological Storage Length Scales Represented by Remote Sensing Estimates of Soil Moisture and Precipitation (<https://doi.org/10.1002/2017WR021508>)
- 1493** *Manuela I. Brunner, Anna E. Sikorska, Reinhard Furrer, and Anne-Catherine Favre*
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- 1513** *Xiuyu Liang, Hongbin Zhan, and Keith Schilling*
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- 1533** *Joel K. Nohner, Frank Lupi, and William W. Taylor*
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- 1549** *Marc W. Beutel and Alexander J. Horne*
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- *This article is part of a Special Section—Responses to Environmental Change in Aquatic Mountain Ecosystems
- 1560** *Ping Wang, Guo-Yue Niu, Yuan-Hao Fang, Run-Jian Wu, Jing-Jie Yu, Guo-Fu Yuan, Sergey P. Pozdniakov, and Russell L. Scott*
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- 1576** *Margaret A. Zimmer and Brian L. McGlynn*
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- 1599** *Sarah G. Evans, Shemin Ge, Clifford I. Voss, and Noah P. Molotch*
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- 1616** *Yuanyuan Zha, Tian-Chyi J. Yeh, Walter A. Illman, Wenzhi Zeng, Yonggen Zhang, Fangqiang Sun, and Liangsheng Shi*
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- 1831** *Erfan Haghighi, Daniel J. Short Gianotti, Ruzbeh Akbar, Guido D. Salvucci, and Dara Entekhabi*
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- *This article is part of a Special Section—Socio-hydrology: Spatial and Temporal Dynamics of Coupled Human-Water Systems
- 1890** *Ellen Wohl, Daniel Cadol, Andrew Pfeiffer, Karen Jackson, and DeAnna Laurel*
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- 1918** *M. Giese, T. Reimann, V. Bailly-Comte, J.-C. Maréchal, M. Sauter, and T. Geyer*
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Impact of Stage Measurement Errors on Streamflow Uncertainty (<https://doi.org/10.1002/2017WR022039>)
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Permeability Sensitivity Functions and Rapid Simulation of Hydraulic-Testing Measurements Using Perturbation Theory (<https://doi.org/10.1002/2017WR021203>)
- 1999** *L. Laiti, S. Mallucci, S. Piccolroaz, A. Bellin, D. Zardi, A. Fiori, G. Nikulin, and B. Majone*
Testing the Hydrological Coherence of High-Resolution Gridded Precipitation and Temperature Data Sets (<https://doi.org/10.1002/2017WR021633>)
- 2017** *Adam S. Ward, Noah M. Schmadel, and Steven M. Wondzell*
Time-Variable Transit Time Distributions in the Hyporheic Zone of a Headwater Mountain Stream (<https://doi.org/10.1002/2017WR021502>)
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