

Volume 13, Issue 6 (December 2012)

[View Abstracts](#) [Add to Favorites](#) [Email](#) [Download to Citation Manager](#) [Track Citations](#)

Select All  Denotes Open Access Content

ARTICLES

- 1641  **The Hydrological Modeling and Analysis Platform (HyMAP): Evaluation in the Amazon Basin** 1641–1665
Augusto C. V. Getirana, Aaron Boone, Dai Yamazaki, Bertrand Decharme, Fabrice Papa, Nelly Mognard
[Abstract](#) . [Full Text](#) . [PDF \(5250 KB\)](#)
- 1667   **Modeling the Atmospheric Response to Irrigation in the Great Plains. Part I: General Impacts on Precipitation and the Energy Budget** 1667–1686
Keith J. Harding, Peter K. Snyder
[Abstract](#) . [Full Text](#) . [PDF \(4790 KB\)](#)
- 1687   **Modeling the Atmospheric Response to Irrigation in the Great Plains. Part II: The Precipitation of Irrigated Water and Changes in Precipitation Recycling** 1687–1703
Keith J. Harding, Peter K. Snyder
[Abstract](#) . [Full Text](#) . [PDF \(13463 KB\)](#)
- 1704   **Revisiting GLACE: Understanding the Role of the Land Surface in Land–Atmosphere Coupling** 1704–1718
Ruth E. Comer, Martin J. Best
[Abstract](#) . [Full Text](#) . [PDF \(9210 KB\)](#)
- 1719  **Investigation of Large-Scale Atmospheric Moisture Budget and Land Surface Interactions over U.S. Southern Great Plains including for CLASIC (June 2007)** 1719–1738
Peter J. Lamb, Diane H. Portis, Abraham Zangvil
[Abstract](#) . [Full Text](#) . [PDF \(3368 KB\)](#)
- 1739  **Predicting the Net Basin Supply to the Great Lakes with a Hydrometeorological Model** 1739–1759
Daniel Deacu, Vincent Fortin, Erika Klyszewko, Christopher Spence, Peter D. Blanken
[Abstract](#) . [Full Text](#) . [PDF \(5965 KB\)](#)
- 1760  **Validation of Satellite-Based Precipitation Products over Sparsely Gauged African River Basins** 1760–1783
Vera Thiemig, Rodrigo Rojas, Mauricio Zambrano-Bigiarini, Vincenzo Levizzani, Ad De Roo
[Abstract](#) . [Full Text](#) . [PDF \(5339 KB\)](#)
- 1784  **Evaluation of the High-Resolution CMORPH Satellite Rainfall Product Using Dense Rain Gauge Observations and Radar-Based Estimates** 1784–1798
Emad Habib, Alemseged Tamiru Haile, Yudong Tian, Robert J. Joyce
[Abstract](#) . [Full Text](#) . [PDF \(1318 KB\)](#)
- 1799  **Combining CMORPH and Rain Gauges Observations over the Rio Negro Basin** 1799–1809
Alejandra De Vera, Rafael Terra
[Abstract](#) . [Full Text](#) . [PDF \(1782 KB\)](#)
- 1810  **Using CloudSat Cloud Retrievals to Differentiate Satellite-Derived Rainfall Products over West Africa** 1810–1816
Adrian M. Tompkins, Adeyemi A. Adebisi
[Abstract](#) . [Full Text](#) . [PDF \(1551 KB\)](#)
- 1817  **Spatial-Scale Characteristics of Precipitation Simulated by Regional Climate Models and the Implications for Hydrological Modeling** 1817–1835
S. H. Rasmussen, J. H. Christensen, M. Drews, D. J. Gochis, J. C. Refsgaard
[Abstract](#) . [Full Text](#) . [PDF \(4529 KB\)](#)

- 1836   **Radar-Based Quantitative Precipitation Estimation for the Cool Season in Complex Terrain: Case Studies from the NOAA Hydrometeorology Testbed** 1836–1854
Jian Zhang, Youcun Qi, David Kingsmill, Kenneth Howard
[Abstract](#) . [Full Text](#) . [PDF \(10116 KB\)](#)
- 1855   **Toward Development of Improved QPE in Complex Terrain Using Cloud-to-Ground Lightning Data: A Case Study for the 2005 Monsoon in Southern Arizona** 1855–1873
Carlos Manuel Minjarez-Sosa, Christopher L. Castro, Kenneth L. Cummins, E. Philip Krider, Julio Weissmann
[Abstract](#) . [Full Text](#) . [PDF \(5485 KB\)](#)
- 1874   **Forecasting Reference Evapotranspiration Using Retrospective Forecast Analogs in the Southeastern United States** 1874–1892
Di Tian, Christopher J. Martinez
[Abstract](#) . [Full Text](#) . [PDF \(3806 KB\)](#)
- 1893   **Environmental Controls on the Surface Energy Budget over a Large Southern Inland Water in the United States: An Analysis of One-Year Eddy Covariance Flux Data** 1893–1910
Heping Liu, Qianyu Zhang, Gordon Dowler
[Abstract](#) . [Full Text](#) . [PDF \(3465 KB\)](#)
- 1911   **A Process-Oriented Small Lake Scheme for Coupled Climate Modeling Applications** 1911–1924
Murray D. MacKay
[Abstract](#) . [Full Text](#) . [PDF \(2667 KB\)](#)
- 1925   **Decomposition of Uncertainties between Coarse MM5–Noah-Simulated and Fine ASAR-Retrieved Soil Moisture over Central Tibet** 1925–1938
Rogier van der Velde, Mhd. Suhyb Salama, Marcel D. van Helvoirt, Zhongbo Su, Yaoming Ma
[Abstract](#) . [Full Text](#) . [PDF \(2064 KB\)](#)
- 1939   **Quantitative Comparison of the Spatial Distribution of Radar and Gauge Rainfall Data** 1939–1953
Seong-Sim Yoon, Anh Tran Phuong, Deg-Hyo Bae
[Abstract](#) . [Full Text](#) . [PDF \(2812 KB\)](#)
- 1954   **Stochastic Space–Time Disaggregation of Rainfall into DSD fields** 1954–1969
Marc Schleiss, Alexis Berne
[Abstract](#) . [Full Text](#) . [PDF \(3172 KB\)](#)
- 1970   **Systematic Patterns of the Inconsistency between Snow Water Equivalent and Accumulated Precipitation as Reported by the Snowpack Telemetry Network** 1970–1976
Jonathan D. D. Meyer, Jiming Jin, Shih-Yu Wang
[Abstract](#) . [Full Text](#) . [PDF \(2846 KB\)](#)
- 1977   **Rationale for Monitoring Discharge on the Ground** 1977–1986
Balázs M. Fekete, Ulrich Looser, Alain Pietroniro, Richard D. Roberts
[Abstract](#) . [Full Text](#) . [PDF \(1324 KB\)](#)