

Volume 13, Issue 3 (June 2012)
[View Abstracts](#) [Add to Favorites](#) [Email](#) [Download to Citation Manager](#) [Track Citations](#)
 Select All



Denotes Open Access Content
ARTICLES

- 749    A Global Intercomparison of Modeled and Observed Land–Atmosphere Coupling 749–
Craig R. Ferguson, Eric F. Wood, Raghuveer K. Vinukollu
[Abstract](#) . [Full Text](#) . [PDF \(15645 KB\)](#) . [Supplemental Material](#) 784
- 785    Distributed Hydrologic Modeling in Northwest Mexico Reveals the Links between Runoff Mechanisms and Evapotranspiration 785–
Agustín Robles-Morua, Enrique R. Vivoni, Alex S. Mayer
[Abstract](#) . [Full Text](#) . [PDF \(6312 KB\)](#) 807
- 808   Verification of Precipitation Forecasts from NCEP's Short-Range Ensemble Forecast (SREF) System with Reference to Ensemble Streamflow Prediction Using Lumped Hydrologic Models 808–
James D. Brown, Dong-Jun Seo, Jun Du
[Abstract](#) . [Full Text](#) . [PDF \(18063 KB\)](#) 836
- 837   A Stochastic Conceptual Modeling Approach for Examining the Effects of Climate Change on Streamflows in Mountain Basins 837–
Peter R. Furey, Stephanie K. Kampf, Jordan S. Lanini, Andre Q. Dozier
[Abstract](#) . [Full Text](#) . [PDF \(1872 KB\)](#) 855
- 856   Representation of Terrestrial Hydrology and Large-Scale Drought of the Continental United States from the North American Regional Reanalysis 856–
Justin Sheffield, Ben Livneh, Eric F. Wood
[Abstract](#) . [Full Text](#) . [PDF \(3330 KB\)](#) 876
- 877   Understanding Simulated Extreme Precipitation Events in Madison, Wisconsin, and the Role of Moisture Flux Convergence during the Late Twentieth and Twenty-First Centuries 877–
Kathleen D. Holman, Stephen J. Vavrus
[Abstract](#) . [Full Text](#) . [PDF \(6825 KB\)](#) 894
- 895   Searching for Information in 133 Years of California Snowfall Observations 895–
John R. Christy
[Abstract](#) . [Full Text](#) . [PDF \(2502 KB\)](#) 912
- 913   An Artificial Neural Network Approach to Multispectral Rainfall Estimation over Africa 913–
Robin Chadwick, David Grimes
[Abstract](#) . [Full Text](#) . [PDF \(3119 KB\)](#) 931
- 932   Hydrologic Sensitivities of Colorado River Runoff to Changes in Precipitation and Temperature 932–
Julie A. Vano, Tapash Das, Dennis P. Lettenmaier
[Abstract](#) . [Full Text](#) . [PDF \(3512 KB\)](#) 949
- 950    On Estimating Wet Canopy Evaporation from Deciduous and Coniferous Forests in the Asian Monsoon Climate 950–
Minseok Kang, Hyojung Kwon, Jung Hwa Cheon, Joon Kim
[Abstract](#) . [Full Text](#) . [PDF \(1477 KB\)](#) 965
- 966    Evaluation of CO₂ Exchange Rates in a Wetland Ecosystem Using the Closed Geosphere Experiment Facility 966–
[Abstract](#) . [Full Text](#) . [PDF \(1000 KB\)](#) 970

	<i>Shizuo Suzuki, Masayuki Yokozawa, Kazuyuki Inubushi, Toshihiko Hara, Michitoshi Kimura, Shoichi Tsuga, Yasuhiro Tako, Yuji Nakamura</i>	980
	Abstract . Full Text . PDF (2572 KB)	
981	  Evidence for Enhanced Land–Atmosphere Feedback in a Warming Climate	
	<i>Paul A. Dirmeyer, Benjamin A. Cash, James L. Kinter III, Cristiana Stan, Thomas Jung, Lawrence Marx, Peter Towers, Nils Wedi, Jennifer M. Adams, Eric L. Altshuler, Bohua Huang, Emilia K. Jin, Julia Manganello</i>	981– 995
	Abstract . Full Text . PDF (9685 KB)	
996	  Uncertainties in North American Land Data Assimilation Systems over the Contiguous United States	996– 1009
	<i>Kingtse C. Mo, Li-Chuan Chen, Shraddhanand Shukla, Theodore J. Bohn, Dennis P. Lettenmaier</i>	
	Abstract . Full Text . PDF (3454 KB)	
1010	  Summer Land–Atmosphere Coupling Strength in the United States: Comparison among Observations, Reanalysis Data, and Numerical Models	1010– 1022
	<i>Rui Mei, Guiling Wang</i>	
	Abstract . Full Text . PDF (1145 KB)	
1023	  Probability Distribution of Precipitation Extremes for Weather Index–Based Insurance in the Zhujiang River Basin, South China	1023– 1037
	<i>Thomas Fischer, Buda Su, Yong Luo, Thomas Scholten</i>	
	Abstract . Full Text . PDF (1964 KB)	
1038	  Measurement of Surface Energy Fluxes from Two Rangeland Sites and Comparison with a Multilayer Canopy Model	1038– 1051
	<i>Gerald N. Flerchinger, Michele L. Reba, Danny Marks</i>	
	Abstract . Full Text . PDF (1199 KB)	
1052	   A Global Approach to Assess the Potential Impact of Climate Change on Stream Water Temperatures and Related In-Stream First-Order Decay Rates	1052– 1065
	<i>Manuel Punzet, Frank Voß, Anja Voß, Ellen Kynast, Ilona Bärlund</i>	
	Abstract . Full Text . PDF (1920 KB)	
1066	  Estimating the Accuracy of Polarimetric Radar–Based Retrievals of Drop-Size Distribution Parameters and Rain Rate: An Application of Error Variance Separation Using Radar-Derived Spatial Correlations	1066– 1079
	<i>M. Thurai, V. N. Bringi, L. D. Carey, P. Gatlin, E. Schultz, W. A. Petersen</i>	
	Abstract . Full Text . PDF (2290 KB)	
1080	  Evaluation of Radar Precipitation Estimates from the National Mosaic and Multisensor Quantitative Precipitation Estimation System and the WSR-88D Precipitation Processing System over the Conterminous United States	1080– 1093
	<i>Wanru Wu, David Kitzmiller, Shaorong Wu</i>	
	Abstract . Full Text . PDF (4138 KB)	
1094	  Estimation of Climate Change Impact on Mean Annual Runoff across Continental Australia Using Budyko and Fu Equations and Hydrological Models	1094– 1106
	<i>J. Teng, F. H. S. Chiew, J. Vaze, S. Marvanek, D. G. C. Kirono</i>	
	Abstract . Full Text . PDF (3318 KB)	
1107	  The Impact of Rainfall Error Characterization on the Estimation of Soil Moisture Fields in a Land Data Assimilation System	1107– 1118
	<i>Viviana Maggioni, Rolf H. Reichle, Emmanouil N. Anagnostou</i>	
	Abstract . Full Text . PDF (1689 KB)	
1119	  Assimilation of Satellite-Observed Snow Albedo in a Land Surface Model	1119– 1130
	<i>M. Jahangeb Malik, Rogier van der Velde, Zoltan Vekerdy, Zhongbo Su</i>	
	Abstract . Full Text . PDF (2021 KB)	
1131	  Meteorological Causes of the Secular Variations in Observed Extreme Precipitation Events for the Conterminous United States	1131– 1141
	<i>Kenneth E. Kunkel, David R. Easterling, David A. R. Kristovich, Byron Gleason, Leslie Stoecker, Rebecca Smith</i>	
	Abstract . Full Text . PDF (3596 KB)	
1142	  Diurnal Characteristics of Rainfall over the Contiguous United States and Northern Mexico in the Dynamically	

Downscaled Reanalysis Dataset (US10)	1142–
<i>Tomohito J. Yamada, Myong-In Lee, Masao Kanamitsu, Hideki Kanamaru</i>	1148
Abstract . Full Text . PDF (2014 KB)	