

Volume 25, Issue 3 (February 2012)






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

Select
All


Denotes
Open
Access
Content

ARTICLES

- 821   **Characterization of Turbulent Latent and Sensible Heat Flux Exchange between the Atmosphere and Ocean in MERRA** 821–838
J. Brent Roberts, Franklin R. Robertson, Carol A. Clayson, Michael G. Bosilovich
[Abstract](#) . [Full Text](#) . [PDF \(6083 KB\)](#)
- 839  **A Model Study of the Air–Sea Interaction Associated with the Climatological Aspects and Interannual Variability of the South Asian Summer Monsoon Development** 839–857
Ngar-Cheung Lau, Mary Jo Nath
[Abstract](#) . [Full Text](#) . [PDF \(2370 KB\)](#)
- 858  **Influence of Mean Flow on the ENSO–Vertical Wind Shear Relationship over the Northern Tropical Atlantic** 858–864
Xiaojie Zhu, R. Saravanan, Ping Chang
[Abstract](#) . [Full Text](#) . [PDF \(927 KB\)](#)
- 865  **A Reanalysis of the 1921–30 Atlantic Hurricane Database** 865–885
Christopher W. Landsea, Steve Feuer, Andrew Hagen, David A. Glenn, James Sims, Ramon Perez, Michael Chenoweth, Nicholas Anderson
[Abstract](#) . [Full Text](#) . [PDF \(12079 KB\)](#) . [Supplemental Material](#)
- 886  **The North Atlantic Jet Stream under Climate Change and Its Relation to the NAO and EA Patterns** 886–902
Tim Woollings, Mike Blackburn
[Abstract](#) . [Full Text](#) . [PDF \(2511 KB\)](#)
- 903  **Different Types of ENSO Influences on the Indian Summer Monsoon Variability** 903–920
Renguang Wu, Jilong Chen, Wen Chen
[Abstract](#) . [Full Text](#) . [PDF \(4682 KB\)](#)
- 921  **Two Distinct Modes of Tropical Indian Ocean Precipitation in Boreal Winter and Their Impacts on Equatorial Western Pacific** 921–938
Bo Wu, Tianjun Zhou, Tim Li
[Abstract](#) . [Full Text](#) . [PDF \(3250 KB\)](#)
- 939  **A Statistical Adjustment of Regional Climate Model Outputs to Local Scales: Application to Platja de Palma, Spain** 939–957
A. Amengual, V. Homar, R. Romero, S. Alonso, C. Ramis
[Abstract](#) . [Full Text](#) . [PDF \(5432 KB\)](#)
- 958  **Near-Surface Salinity as Nature’s Rain Gauge to Detect Human Influence on the Tropical Water Cycle** 958–977
Laurent Terray, Lola Corre, Sophie Cravatte, Thierry Delcroix, Gilles Reverdin, Aurélien Ribes
[Abstract](#) . [Full Text](#) . [PDF \(5330 KB\)](#)
- 978  **MJO Modulation on 2009/10 Winter Snowstorms in the United States** 978–991
Ja-Yeon Moon and, Bin Wang, Kyung-Ja Ha
[Abstract](#) . [Full Text](#) . [PDF \(9912 KB\)](#)
- 992  **Thermodynamic Scaling of the Hydrological Cycle of the Last Glacial Maximum** 992–1006
William R. Boos
[Abstract](#) . [Full Text](#) . [PDF \(13959 KB\)](#)

- 1007  **The Impact of Land Surface and Atmospheric Initialization on Seasonal Forecasts with CCSM** 1007–
Daniel A. Paolino, James L. Kinter III, Ben P. Kirtman, Dughong Min, David M. Straus 1021
[Abstract](#) . [Full Text](#) . [PDF \(7515 KB\)](#)
- 1022  **Urbanization Effect on the Diurnal Temperature Range: Different Roles under Solar Dimming and Brightening** 1022–
Kai Wang, Hong Ye, Feng Chen, Yongzhu Xiong, Cuiping Wang 1027
[Abstract](#) . [Full Text](#) . [PDF \(937 KB\)](#) . [Supplemental Material](#)
- 1028  **Effects of Urban Surfaces and White Roofs on Global and Regional Climate** 1028–
Mark Z. Jacobson, John E. Ten Hoeve 1044
[Abstract](#) . [Full Text](#) . [PDF \(3709 KB\)](#)
- 1045  **A Multicentury Reconstruction of May Precipitation for the Mid-Atlantic Region Using *Juniperus virginiana* Tree Rings** 1045–
R. Stockton Maxwell, Amy E. Hessl, Edward R. Cook, Brendan M. Buckley 1056
[Abstract](#) . [Full Text](#) . [PDF \(1235 KB\)](#)
- 1057  **Relationship of Lower-Troposphere Cloud Cover and Cosmic Rays: An Updated Perspective** 1057–
Ernest M. Agee, Kandace Kiefer, Emily Cornett 1060
[Abstract](#) . [Full Text](#) . [PDF \(645 KB\)](#)