

# CITATION REPORT

List of articles citing

Implementation of Noah land surface model advances in the National Centers for Environmental Prediction operational mesoscale Eta model

DOI: 10.1029/2002jd003296

Journal of Geophysical Research, 2003, 108, .

**Source:** <https://exaly.com/paper-pdf/35383119/citation-report.pdf>

**Version:** 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2164	Evaluation of the North American Land Data Assimilation System over the southern Great Plains during the warm season. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		144
2163	Streamflow and water balance intercomparisons of four land surface models in the North American Land Data Assimilation System project. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		126
2162	The multi-institution North American Land Data Assimilation System (NLDAS): Utilizing multiple GCIP products and partners in a continental distributed hydrological modeling system. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		847
2161	Basin scale estimates of evapotranspiration using GRACE and other observations. <b>2004</b> , 31,		333
2160	Atmospheric Moisture Transport over the United States and Mexico as Evaluated in the NCEP Regional Reanalysis. <b>2005</b> , 6, 710-728		81
2159	Evaluation of Snow Depth and Soil Temperatures Predicted by the Hydro-thermodynamic Soil-Vegetation Scheme Coupled with the Fifth-Generation Pennsylvania State University-NCAR Mesoscale Model. <b>2005</b> , 44, 1827-1843		14
2158	Evaluation of 10 Methods for Initializing a Land Surface Model. <b>2005</b> , 6, 146-155		96
2157	The Operational Eta Model Precipitation and Surface Hydrologic Cycle of the Columbia and Colorado Basins. <b>2005</b> , 6, 341-370		17
2156	Surface Boundary Conditions for Mesoscale Regional Climate Models. <b>2005</b> , 9, 1-28		39
2155	Evaluation and Transferability of the Noah Land Surface Model in Semiarid Environments. <b>2005</b> , 6, 68-84		104
2154	Seasonal global mean sea level change from satellite altimeter, GRACE, and geophysical models. <b>2005</b> , 79, 532-539		55
2153	Variability in global land surface energy budgets during 1987-1988 simulated by an off-line land surface model. <b>2005</b> , 24, 667-684		14
2152	Evaluation of Surface Sensible Weather Forecasts by the WRF and the Eta Models over the Western United States. <b>2005</b> , 20, 812-821		123
2151	Evaluation of Reanalysis Soil Moisture Simulations Using Updated Chinese Soil Moisture Observations. <b>2005</b> , 6, 180-193		101
2150	Development of land surface albedo parameterization based on Moderate Resolution Imaging Spectroradiometer (MODIS) data. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		70
2149	Low degree spherical harmonic influences on Gravity Recovery and Climate Experiment (GRACE) water storage estimates. <b>2005</b> , 32, n/a-n/a		121
2148	Comparison of Impacts of WRF Dynamic Core, Physics Package, and Initial Conditions on Warm Season Rainfall Forecasts. <b>2006</b> , 134, 2632-2641		67

2147	Post-processing removal of correlated errors in GRACE data. <b>2006</b> , 33,	974
2146	Optimized smoothing of Gravity Recovery and Climate Experiment (GRACE) time-variable gravity observations. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111, n/a-n/a	58
2145	Parameter sensitivity analysis for different complexity land surface models using multicriteria methods. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,	57
2144	Urban and land surface effects on the 30 July 2003 mesoscale convective system event observed in the southern Great Plains. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,	97
2143	Land surface state and flux estimation using the ensemble Kalman smoother during the Southern Great Plains 1997 field experiment. <b>2006</b> , 42,	66
2142	Sensitivity of the NCEP/Noah land surface model to the MODIS green vegetation fraction data set. <b>2006</b> , 33,	45
2141	Evaluation of the Second Global Soil Wetness Project soil moisture simulations: 1. Intermodel comparison. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,	31
2140	Estimating Large-Scale Precipitation Minus Evapotranspiration from GRACE Satellite Gravity Measurements. <b>2006</b> , 7, 252-270	91
2139	Alaskan mountain glacial melting observed by satellite gravimetry. <b>2006</b> , 248, 368-378	66
2138	Seasonal Hydroclimate Variability over North America in Global and Regional Reanalyses and AMIP Simulations: Varied Representation. <b>2006</b> , 19, 815-837	78
2137	Great Plains Hydroclimate Variability: The View from North American Regional Reanalysis. <b>2006</b> , 19, 3004-3010	51
2136	Intense Rainfall Events Affecting the La Plata Basin. <b>2006</b> , 7, 769-787	29
2135	Verification of a Mesoscale Data-Assimilation and Forecasting System for the Oklahoma City Area during the Joint Urban 2003 Field Project. <b>2006</b> , 45, 912-929	165
2134	Spatiotemporal Disaggregation of Remotely Sensed Precipitation for Ensemble Hydrologic Modeling and Data Assimilation. <b>2006</b> , 7, 511-533	16
2133	The Modified Palmer Drought Severity Index Based on the NCEP North American Regional Reanalysis. <b>2006</b> , 45, 1362-1375	35
2132	Uncertainties in the GSWP-2 precipitation forcing and their impacts on regional and global hydrological simulations. <b>2006</b> , 27, 695-713	70
2131	A regional climate study of Central America using the MM5 modeling system: results and comparison to observations. <b>2006</b> , 26, 2161-2179	12
2130	1948-1998 U.S. Hydrological Reanalysis by the Noah Land Data Assimilation System. <b>2006</b> , 19, 1214-1237	28

2129	Effect of Land–Atmosphere Interactions on the IHOP 24–25 May 2002 Convection Case. <b>2006</b> , 134, 113-133	125
2128	6-Hour to 1-Year Variance of Five Global Precipitation Sets. <b>2007</b> , 11, 1-29	24
2127	Urban Modification in a Mesoscale Model and the Effects on the Local Circulation in the Pearl River Delta Region. <b>2007</b> , 46, 457-476	99
2126	Intercomparison of Single-Column Numerical Models for the Prediction of Radiation Fog. <b>2007</b> , 46, 504-521	75
2125	Response of Seasonal Simulations of a Regional Climate Model to High-Frequency Variability of Soil Moisture during the Summers of 1988 and 1993. <b>2007</b> , 8, 738-757	11
2124	Evaluation of the Hydrological Cycle over the Mississippi River Basin as Simulated by the Canadian Regional Climate Model (CRCM). <b>2007</b> , 8, 969-988	137
2123	Assessment of Dynamic Downscaling of the Continental U.S. Regional Climate Using the Eta/SSiB Regional Climate Model. <b>2007</b> , 20, 4172-4193	71
2122	Description and Evaluation of the Characteristics of the NCAR High-Resolution Land Data Assimilation System. <b>2007</b> , 46, 694-713	206
2121	Convective Planetary Boundary Layer Interactions with the Land Surface at Diurnal Time Scales: Diagnostics and Feedbacks. <b>2007</b> , 8, 1082-1097	61
2120	Relationships between Land Surface and Near-Surface Atmospheric Variables in the NCEP North American Regional Reanalysis. <b>2007</b> , 8, 1184-1203	46
2119	Analysis of the Impact of Snow on Daily Weather Variability in Mountainous Regions Using MM5. <b>2007</b> , 8, 245-258	32
2118	Variability in the Environmental Factors Driving Evapotranspiration from a Grazed Rangeland during Severe Drought Conditions. <b>2007</b> , 8, 207-220	27
2117	A Comparison of the Noah and OSU Land Surface Models in the ECPC Seasonal Forecast Model. <b>2007</b> , 8, 1031-1048	14
2116	Evaluation and Comparison of Noah and Pleim–Xiu Land Surface Models in MM5 Using GTE2001 Data: Spatial and Temporal Variations in Near-Surface Air Temperature. <b>2007</b> , 46, 1587-1605	40
2115	An Alternative Mass Flux Profile in the Kain–Britsch Convective Parameterization and Its Effects in Seasonal Precipitation. <b>2007</b> , 8, 1128-1140	15
2114	Comparison of the Diurnal Precipitation Cycle in Convection-Resolving and Non-Convection-Resolving Mesoscale Models. <b>2007</b> , 135, 3456-3473	94
2113	PBL State Estimation with Surface Observations, a Column Model, and an Ensemble Filter. <b>2007</b> , 135, 2958-2972	25
2112	Improved Vertical Covariance Estimates for Ensemble-Filter Assimilation of Near-Surface Observations. <b>2007</b> , 135, 1021-1036	25

2111	Urban Canopy Modeling of the New York City Metropolitan Area: A Comparison and Validation of Single- and Multilayer Parameterizations. <b>2007</b> , 135, 1906-1930	93
2110	Influence of Land Cover and Soil Moisture on the Horizontal Distribution of Sensible and Latent Heat Fluxes in Southeast Kansas during IHOP_2002 and CASES-97. <b>2007</b> , 8, 68-87	75
2109	A multimodel simulation of pan-Arctic hydrology. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a	71
2108	A comparison of land surface model soil hydraulic properties estimated by inverse modeling and pedotransfer functions. <b>2007</b> , 43,	62
2107	Comparison of seasonal terrestrial water storage variations from GRACE with groundwater-level measurements from the High Plains Aquifer (USA). <b>2007</b> , 34,	136
2106	Influence of runoff parameterization on continental hydrology: Comparison between the Noah and the ISBA land surface models. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,	26
2105	Sensitivity of Land Surface Simulations to Model Physics, Land Characteristics, and Forcings, at Four CEOP Sites. <b>2007</b> , 85A, 187-204	81
2104	Using remotely-sensed estimates of soil moisture to infer soil texture and hydraulic properties across a semi-arid watershed. <b>2007</b> , 110, 79-97	93
2103	A global Eta model on quasi-uniform grids. <b>2007</b> , 133, 517-528	11
2102	Impact of Multiresolution Active and Passive Microwave Measurements on Soil Moisture Estimation Using the Ensemble Kalman Smoother. <b>2007</b> , 45, 1016-1028	34
2101	Attenuation effect on seasonal basin-scale water storage changes from GRACE time-variable gravity. <b>2007</b> , 81, 237-245	80
2100	Global validation of the ISBA sub-grid hydrology. <b>2007</b> , 29, 21-37	67
2099	Estimating groundwater storage changes in the Mississippi River basin (USA) using GRACE. <b>2007</b> , 15, 159-166	412
2098	High-performance Earth system modeling with NASA/GSFC's Land Information System. <b>2007</b> , 3, 157-165	143
2097	Use of atmospheric radiation measurement program data from Barrow, Alaska, for evaluation and development of snow-albedo parameterizations. <b>2008</b> , 99, 199-219	15
2096	A land surface data assimilation framework using the land information system: Description and applications. <b>2008</b> , 31, 1419-1432	156
2095	An integrated high-resolution hydrometeorological modeling testbed using LIS and WRF. <b>2008</b> , 23, 169-181	67
2094	Downscaling and Forecasting of Evapotranspiration Using a Synthetic Model of Wavelets and Support Vector Machines. <b>2008</b> , 46, 2692-2707	34

2093	An integrated hydrologic modeling and data assimilation framework. <b>2008</b> , 41, 52-59	112
2092	Urban heat island effect and its impact on boundary layer development and land-sea circulation over northern Taiwan. <b>2008</b> , 42, 5635-5649	153
2091	Evaluation of the Weather Research and Forecasting model for two frost events. <b>2008</b> , 64, 234-247	27
2090	Analysis of terrestrial water storage changes from GRACE and GLDAS. <b>2008</b> , 44,	351
2089	An investigation of GSWP-2 Mississippi River basin surface water and energy budgets. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,	6
2088	Regional Eta model experiments: SALLJEX and MCS development. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,	22
2087	A study of land surface processes using land surface models over the Little River Experimental Watershed, Georgia. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,	15
2086	Role of precipitation uncertainty in the estimation of hydrologic soil properties using remotely sensed soil moisture in a semiarid environment. <b>2008</b> , 44,	32
2085	Model performance, model robustness, and model fitness scores: A new method for identifying good land-surface models. <b>2008</b> , 35,	26
2084	Assessing land-atmosphere coupling using soil moisture from the Global Land Data Assimilation System and observational precipitation. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,	131
2083	Predicted impacts of climate and land use change on surface ozone in the Houston, Texas, area. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,	73
2082	Historical isotope simulation using Reanalysis atmospheric data. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,	252
2081	Linking traits to energetics and population dynamics to predict lizard ranges in changing environments. <b>2008</b> , 171, E1-E19	192
2080	Impacts of High-Resolution Land Surface Initialization on Regional Sensible Weather Forecasts from the WRF Model. <b>2008</b> , 9, 1249-1266	54
2079	The influence of the Gulf Stream induced SST gradients on the US East Coast winter storm of 24-25 January 2000. <b>2008</b> , 29, 6145-6174	9
2078	Observed and Simulated Soil Moisture Variability over the Lower Mississippi Delta Region. <b>2008</b> , 9, 1125-1150	13
2077	Estimation of the Minimum Canopy Resistance for Croplands and Grasslands Using Data from the 2002 International H2O Project. <b>2008</b> , 136, 4452-4469	40
2076	Evaluation of Two Land Surface Schemes Used in Terrains of Increasing Aridity in West Africa. <b>2008</b> , 9, 173-193	10

2075	Sensitivity of the PBL and Precipitation in 12-Day Simulations of Warm-Season Convection Using Different Land Surface Models and Soil Wetness Conditions. <b>2008</b> , 136, 2321-2343	57
2074	The Impact of Snow Model Complexity at Three CLPX Sites. <b>2008</b> , 9, 1464-1481	47
2073	How Does Soil Moisture Influence the Early Stages of the South American Monsoon?. <b>2008</b> , 21, 195-213	50
2072	Ensemble-Based Sensitivity Analysis. <b>2008</b> , 136, 663-677	126
2071	Exploring the Possible Role of Small-Scale Terrain Drag on Stable Boundary Layers over Land. <b>2008</b> , 47, 2518-2530	50
2070	Comparison of Four Cloud Schemes in Simulating the Seasonal Mean Field Forced by the Observed Sea Surface Temperature. <b>2008</b> , 136, 2557-2575	17
2069	Performance Characteristics of a Pseudo-Operational Ensemble Kalman Filter. <b>2008</b> , 136, 3947-3963	68
2068	North American Droughts in ERA-40 Global and NCEP North American Regional Reanalyses: A Palmer Drought Severity Index Perspective. <b>2008</b> , 21, 2102-2123	16
2067	Increase in Near-Surface Temperature Simulation Skill due to Predictive Soil Moisture in a Numerical Seasonal Simulation under Observed SST Forcing. <b>2008</b> , 9, 48-60	4
2066	Sensitivity of WRF Forecasts for South Florida to Initial Conditions. <b>2008</b> , 23, 725-740	24
2065	Diurnal to Annual Precipitation Sensitivity to Convective and Land Surface Schemes. <b>2008</b> , 12, 1-13	11
2064	Mesoscale Simulations of the Land Surface Effects of Historical Logging in a Moist Continental Climate Regime. <b>2008</b> , 47, 2166-2182	11
2063	Development of the Flux-Adjusting Surface Data Assimilation System for Mesoscale Models. <b>2008</b> , 47, 2331-2350	22
2062	A Negative Soil MoistureâPrecipitation Relationship and Its Causes. <b>2008</b> , 9, 1364-1376	67
2061	Model Diagnosis of Nighttime Minimum Temperature Warming during Summer due to Irrigation in the California Central Valley. <b>2008</b> , 9, 1061-1072	41
2060	Evaluation of the Noah Land Surface Model Using Data from a Fair-Weather IHOP_2002 Day with Heterogeneous Surface Fluxes. <b>2008</b> , 136, 4915-4941	64
2059	Recent glacier mass changes in the Gulf of Alaska region from GRACE mascon solutions. <b>2008</b> , 54, 767-777	138
2058	An Observational Analysis and Evaluation of Land Surface Model Accuracy in the Nebraska Sand Hills. <b>2008</b> , 9, 601-621	11

2057	On the comparison between the LISFLOOD modelled and the ERS/SCAT derived soil moisture estimates. <b>2008</b> , 12, 1339-1351	18
2056	Influence of thermodynamic soil and vegetation parameterizations on the simulation of soil temperature states and surface fluxes by the Noah LSM over a Tibetan plateau site. <b>2009</b> , 13, 759-777	52
2055	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. <b>2009</b> , 22, 5251-5272	260
2054	A Modeling and Observational Framework for Diagnosing Local Land-Atmosphere Coupling on Diurnal Time Scales. <b>2009</b> , 10, 577-599	143
2053	Sensible Heating over the Tibetan Plateau Linked to the Onset of Asian Monsoon. <b>2009</b> , 2, 350-356	8
2052	Multimodel Ensemble Reconstruction of Drought over the Continental United States. <b>2009</b> , 22, 2694-2712	139
2051	Understanding the Characteristics of Daily Precipitation over the United States Using the North American Regional Reanalysis. <b>2009</b> , 22, 6268-6286	56
2050	Evaluating Enhanced Hydrological Representations in Noah LSM over Transition Zones: Implications for Model Development. <b>2009</b> , 10, 600-622	38
2049	Quantifying the Imprint of a Severe Hecitor Thunderstorm during ACTIVE/SCOUT-O3 onto the Water Content in the Upper Troposphere/Lower Stratosphere. <b>2009</b> , 137, 2493-2514	42
2048	Convection-Permitting Simulations of the Environment Supporting Widespread Turbulence within the Upper-Level Outflow of a Mesoscale Convective System. <b>2009</b> , 137, 1972-1990	48
2047	Precipitation Simulations Using WRF as a Nested Regional Climate Model. <b>2009</b> , 48, 2152-2159	104
2046	Evaluation of Short-Range Quantitative Precipitation Forecasts from a Time-Lagged Multimodel Ensemble. <b>2009</b> , 24, 18-38	20
2045	Correcting Unintended Perturbation Biases in Hydrologic Data Assimilation. <b>2009</b> , 10, 734-750	106
2044	A New Land Surface Hydrology within the Noah-WRF Land-Atmosphere Mesoscale Model Applied to Semiarid Environment: Evaluation over the Dantiandou Kori (Niger). <b>2009</b> , 2009, 1-13	9
2043	A Comparison of Precipitation Forecast Skill between Small Convection-Allowing and Large Convection-Parameterizing Ensembles. <b>2009</b> , 24, 1121-1140	164
2042	Variations of U.S. Regional Precipitation and Simulations by the NCEP CFS: Focus on the Southwest. <b>2009</b> , 22, 3211-3231	19
2041	Role of Subsurface Physics in the Assimilation of Surface Soil Moisture Observations. <b>2009</b> , 10, 1534-1547	145
2040	Specification of External Forcing for Regional Model Integrations. <b>2009</b> , 137, 1409-1421	13



2039	Pentad Evolution of the 1988 Drought and 1993 Flood over the Great Plains: An NARR Perspective on the Atmospheric and Terrestrial Water Balance. <b>2009</b> , 22, 5366-5384	37
2038	Initial Condition Sensitivity of Western Pacific Extratropical Transitions Determined Using Ensemble-Based Sensitivity Analysis. <b>2009</b> , 137, 3388-3406	58
2037	Application of HSPF to the Distributed Model Intercomparison Project: Case Study. <b>2009</b> , 14, 847-857	20
2036	The Influence of Rain Sensible Heat and Subsurface Energy Transport on the Energy Balance at the Land Surface. <b>2009</b> , 8, 846-857	45
2035	A more accurate scheme for calculating Earth's skin temperature. <b>2009</b> , 32, 251-272	12
2034	Mesoscale Structure of Trade Wind Convection over Puerto Rico: Composite Observations and Numerical Simulation. <b>2009</b> , 132, 289-313	20
2033	Improving the treatment of the vertical snow burial fraction over short vegetation in the NCAR CLM3. <b>2009</b> , 26, 877-886	34
2032	A comparison of aircraft-based surface-layer observations over Denmark Strait and the Irminger Sea with meteorological analyses and QuikSCAT winds. <b>2009</b> , 135, 2046-2066	70
2031	Evaluation of GRACE filter tools from a hydrological perspective. <b>2009</b> , 179, 1499-1515	88
2030	Using NHDPlus as the Land Base for the Noah-distributed Model. <b>2009</b> , 13, 363-377	12
2029	Ensemble Data Assimilation Applied to RAINEX Observations of Hurricane Katrina (2005). <b>2009</b> , 137, 2817-2829	49
2028	Forward-Looking Assimilation of MODIS-Derived Snow-Covered Area into a Land Surface Model. <b>2009</b> , 10, 130-148	90
2027	The role of land surface processes on the mesoscale simulation of the July 26, 2005 heavy rain event over Mumbai, India. <b>2009</b> , 67, 87-103	79
2026	On the impact of urbanization on summertime thunderstorms in Atlanta: Two numerical model case studies. <b>2009</b> , 92, 172-189	172
2025	Regional spore dispersal as a factor in disease risk warnings for potato late blight: A proof of concept. <b>2009</b> , 149, 419-430	34
2024	Land-atmosphere coupling and diurnal temperature range over the contiguous United States. <b>2009</b> , 36,	31
2023	On the coupling strength between the land surface and the atmosphere: From viewpoint of surface exchange coefficients. <b>2009</b> , 36,	122
2022	Development of a land surface heating index-based method to locate regions of potential mesoscale circulation formation. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,	2

2021	An Observational and Modeling Study of Characteristics of Urban Heat Island and Boundary Layer Structures in Beijing. <b>2009</b> , 48, 484-501	374
2020	On the Impact of WRF Model Vertical Grid Resolution on Midwest Summer Rainfall Forecasts. <b>2009</b> , 24, 575-594	47
2019	Hot European Summers and the Role of Soil Moisture in the Propagation of Mediterranean Drought. <b>2009</b> , 22, 4747-4758	135
2018	Development and Evaluation of a Coupled Photosynthesis-Based Gas Exchange Evapotranspiration Model (GEM) for Mesoscale Weather Forecasting Applications. <b>2009</b> , 48, 349-368	50
2017	Impacts of urban expansion and future green planting on summer precipitation in the Beijing metropolitan area. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,	108
2016	Influence of cloud condensation and giant cloud condensation nuclei on the development of precipitating trade wind cumuli in a large eddy simulation. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,	30
2015	Evaluation of forest snow processes models (SnowMIP2). <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,	250
2014	Wind speed trends over the contiguous United States. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,	248
2013	Evaluation of groundwater storage monitoring with the GRACE satellite: Case study of the High Plains aquifer, central United States. <b>2009</b> , 45,	130
2012	Basin-scale, integrated observations of the early 21st century multiyear drought in southeast Australia. <b>2009</b> , 45,	246
2011	2005 drought event in the Amazon River basin as measured by GRACE and estimated by climate models. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,	165
2010	Influence of thermodynamic soil and vegetation parameterizations on the simulation of soil temperature states and surface fluxes by the Noah LSM over a Tibetan plateau site. <b>2009</b> ,	3
2009	Glacier changes in Alaska: can mass-balance models explain GRACE mascon trends?. <b>2009</b> , 50, 148-154	12
2008	Linearization of NDVI Based on its Relationship with Vegetation Fraction. <b>2010</b> , 76, 965-975	19
2007	Simulation of low clouds in the Southeast Pacific by the NCEP GFS: sensitivity to vertical mixing. <b>2010</b> , 10, 12261-12272	24
2006	Use of NDVI and Land Surface Temperature for Drought Assessment: Merits and Limitations. <b>2010</b> , 23, 618-633	478
2005	Study on the effects of land surface heterogeneities in temperature and moisture on annual scale regional climate simulation. <b>2010</b> , 27, 151-163	4
2004	MODIS Collection 5 global land cover: Algorithm refinements and characterization of new datasets. <b>2010</b> , 114, 168-182	2126

2003	Soil moisture influence on summertime surface air temperature over East Asia. <b>2010</b> , 100, 221-226	26
2002	Data Assimilation Strategies in the Planetary Boundary Layer. <b>2010</b> , 137, 237-269	17
2001	Evaluating a New Deposition Velocity Module in the Noah Land-Surface Model. <b>2010</b> , 137, 271-290	17
2000	Soil Moisture Sensitivity to NRL-Blend High-Resolution Precipitation Products: Analysis of Simulations With Two Land Surface Models. <b>2010</b> , 3, 32-48	11
1999	Assessing the hydrologic performance of the EPA's nonpoint source water quality assessment decision support tool using North American Land Data Assimilation System (NLDAS) products. <b>2010</b> , 387, 212-220	9
1998	Simulating chemistry-aerosol-cloud-radiation-climate feedbacks over the continental U.S. using the online-coupled Weather Research Forecasting Model with chemistry (WRF/Chem). <b>2010</b> , 44, 3568-3582	167
1997	High-resolution modelling of the potential impact of land surface conditions on regional climate over Indochina associated with the diurnal precipitation cycle. <b>2010</b> , 30, 2004-2020	34
1996	Likelihood parameter estimation for calibrating a soil moisture model using radar backscatter. <b>2010</b> , 114, 2564-2574	11
1995	Land-caused uncertainties in climate change simulations: a study with the COLA AGCM. <b>2010</b> , 136, 819-824	7
1994	Effects of soil moisture gradients on the path and the intensity of a West African squall line. <b>2010</b> , 136, 2162-2175	20
1993	Fog Prediction from a Multimodel Mesoscale Ensemble Prediction System. <b>2010</b> , 25, 303-322	93
1992	Infaunal hydraulic ecosystem engineers: cast of characters and impacts. <b>2010</b> , 50, 176-87	41
1991	Evaluating the Snow Crystal Size Distribution and Density Assumptions within a Single-Moment Microphysics Scheme. <b>2010</b> , 138, 4254-4267	22
1990	Modeling and Forecasting the Onset and Duration of Severe Radiation Fog under Frost Conditions. <b>2010</b> , 138, 4237-4253	87
1989	Performance Assessment of New Land Surface and Planetary Boundary Layer Physics in the WRF-ARW. <b>2010</b> , 49, 760-774	105
1988	Growth of Spread in Convection-Allowing and Convection-Parameterizing Ensembles. <b>2010</b> , 25, 594-612	44
1987	Satellite-Scale Snow Water Equivalent Assimilation into a High-Resolution Land Surface Model. <b>2010</b> , 11, 352-369	115
1986	NARR's Atmospheric Water Cycle Components. Part II: Summertime Mean and Diurnal Interactions. <b>2010</b> , 11, 1220-1233	24

1985	A Numerical Study of the Evolving Convective Boundary Layer and Orographic Circulation around the Santa Catalina Mountains in Arizona. Part II: Interaction with Deep Convection. <b>2010</b> , 138, 3603-3622	16
1984	The Roles of Surface-Observation Ensemble Assimilation and Model Complexity for Nowcasting of PBL Profiles: A Factor Separation Analysis. <b>2010</b> , 25, 1670-1690	15
1983	Improving the Noah Land Surface Model in Arid Regions with an Appropriate Parameterization of the Thermal Roughness Length. <b>2010</b> , 11, 995-1006	100
1982	Environmental Controls on the Simulated Diurnal Cycle of Warm-Season Precipitation in the Continental United States. <b>2010</b> , 67, 1066-1090	64
1981	Simulating the Effects of Irrigation over the United States in a Land Surface Model Based on Satellite-Derived Agricultural Data. <b>2010</b> , 11, 171-184	186
1980	A Modeling Case Study of Mixed-Phase Clouds over the Southern Ocean and Tasmania. <b>2010</b> , 138, 839-862	19
1979	Convection-Allowing and Convection-Parameterizing Ensemble Forecasts of a Mesoscale Convective Vortex and Associated Severe Weather Environment. <b>2010</b> , 25, 1052-1081	44
1978	State of the Art and Trends in Wind Resource Assessment. <b>2010</b> , 3, 1087-1141	42
1977	Simulating the IHOP_2002 Fair-Weather CBL with the WRF-ARWâNoah Modeling System. Part I: Surface Fluxes and CBL Structure and Evolution along the Eastern Track. <b>2010</b> , 138, 722-744	22
1976	Assimilation of Satellite-Derived Skin Temperature Observations into Land Surface Models. <b>2010</b> , 11, 1103-1122	109
1975	Simulating the IHOP_2002 Fair-Weather CBL with the WRF-ARWâNoah Modeling System. Part II: Structures from a Few Kilometers to 100 km across. <b>2010</b> , 138, 745-764	37
1974	Diagnosis of the Downstream Ridging Associated with Extratropical Transition Using Short-Term Ensemble Forecasts. <b>2010</b> , 67, 817-833	41
1973	An Empirical Latent Heat Flux Parameterization for the Noah Land Surface Model. <b>2010</b> , 49, 1696-1713	13
1972	How Much Do Different Land Models Matter for Climate Simulation? Part I: Climatology and Variability. <b>2010</b> , 23, 3120-3134	34
1971	NARRâAtmospheric Water Cycle Components. Part I: 20-Year Mean and Annual Interactions. <b>2010</b> , 11, 1205-1219	23
1970	The sensitivity and optimization of the model parameters for the simulation of latent heat flux. <b>2010</b> ,	
1969	The NRL-Blend High Resolution Precipitation Product and its Application to Land Surface Hydrology. <b>2010</b> , 85-104	14
1968	Contribution of land surface initialization to subseasonal forecast skill: First results from a multi-model experiment. <b>2010</b> , 37, n/a-n/a	280

1967	Comment on "Metrics to describe the dynamical evolution of atmospheric moisture: Intercomparison of model (NARR) and observations (ISCCP)" by Kun Tao and Ana P. Barros. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	0
1966	Quantifying parameter sensitivity, interaction, and transferability in hydrologically enhanced versions of the Noah land surface model over transition zones during the warm season. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	111
1965	Hydroclimate and variability in the Great Lakes region as derived from the North American Regional Reanalysis. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	8
1964	Real-time weekly global green vegetation fraction derived from advanced very high resolution radiometer-based NOAA operational global vegetation index (GVI) system. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	47
1963	A heterogeneous land surface model initialization study. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	10
1962	Noah land surface model modifications to improve snowpack prediction in the Colorado Rocky Mountains. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	103
1961	Reply to comment by Qingyuan Han on "Metrics to describe the dynamical evolution of atmospheric moisture: Intercomparison of model (NARR) and observations (ISCCP)" <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	
1960	Formation of mesoscale convective systems over the eastern Tibetan Plateau affected by plateau-scale heating contrasts. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	33
1959	Improving snow processes in the Noah land model. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	40
1958	Evaluation of the Global Land Data Assimilation System using global river discharge data and a source-to-sink routing scheme. <b>2010</b> , 46,	96
1957	A method for the determination of the hydraulic properties of soil from MODIS surface temperature for use in land-surface models. <b>2010</b> , 46,	35
1956	Toward understanding the large-scale land-atmosphere coupling in the models: Roles of different processes. <b>2010</b> , 37, n/a-n/a	25
1955	Regional downscaling for stable water isotopes: A case study of an atmospheric river event. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	75
1954	Recent La Plata basin drought conditions observed by satellite gravimetry. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,	76
1953	HYPROM hydrology surface-runoff prognostic model. <b>2010</b> , 46,	5
1952	The Sensitivity of Simulated River Discharge to Land Surface Representation and Meteorological Forcings. <b>2010</b> , 11, 334-351	38
1951	Object-Based Analysis and Verification of WRF Model Precipitation in the Low- and Midlatitude Pacific Ocean. <b>2010</b> , 138, 4561-4575	15
1950	The impact of soil depth on land surface energy and water fluxes in the North American Monsoon region. <b>2010</b> , 74, 564-571	22

1949	A soil moisture assimilation scheme using satellite-retrieved skin temperature in meso-scale weather forecast model. <b>2010</b> , 95, 333-352	5
1948	An examination of sensitivity of WRF/Chem predictions to physical parameterizations, horizontal grid spacing, and nesting options. <b>2010</b> , 97, 315-334	125
1947	Monitoring surface soil moisture and freeze-thaw state with the high-resolution radar of the Soil Moisture Active/Passive (SMAP) mission. <b>2010</b> ,	8
1946	The Sensitivity Analysis, Optimization and Uncertainty Assessment of the Land Surface Model Parameters. <b>2010</b> ,	
1945	Noah LSM Snow Model Diagnostics and Enhancements. <b>2010</b> , 11, 721-738	121
1944	Verification and Intercomparison of Multimodel Simulated Land Surface Hydrological Datasets over the United States. <b>2011</b> , 12, 531-555	33
1943	Generation processes of mesoscale convective systems following midlatitude troughs around the Sichuan Basin. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	16
1942	Satellites measure recent rates of groundwater depletion in California's Central Valley. <b>2011</b> , 38,	570
1941	Global intercomparison of 12 land surface heat flux estimates. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	271
1940	Evaluating a satellite-derived global infrared land surface emissivity data set for use in radiative transfer modeling. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	22
1939	Evaluation of NARR and CLM3.5 outputs for surface water and energy budgets in the Mississippi River Basin. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	23
1938	The community Noah land surface model with multiparameterization options (Noah-MP): 1. Model description and evaluation with local-scale measurements. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	1106
1937	The community Noah land surface model with multiparameterization options (Noah-MP): 2. Evaluation over global river basins. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	329
1936	A modeling study of the interaction between the Atlantic Warm Pool, the tropical Atlantic easterlies, and the Lesser Antilles. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	15
1935	The influence of the Atlantic Warm Pool on the Florida panhandle sea breeze. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	26
1934	Accumulation and melt dynamics of snowpack from a multiresolution regional climate model in the central Sierra Nevada, California. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	29
1933	A numerical study of interactions between surface forcing and sea breeze circulations and their effects on stagnation in the greater Houston area. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	64
1932	Parameter estimation of coupled water and energy balance models based on stationary constraints of surface states. <b>2011</b> , 47,	16

1931	An alternate and robust approach to calibration for the estimation of land surface model parameters based on remotely sensed observations. <b>2011</b> , 38, n/a-n/a	12
1930	An intercomparison of available soil moisture estimates from thermal infrared and passive microwave remote sensing and land surface modeling. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	106
1929	Numerical analysis of air-water-heat flow in unsaturated soil: Is it necessary to consider airflow in land surface models?. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	46
1928	Improving land surface temperature modeling for dry land of China. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	337
1927	Evaluation and application of a fine-resolution global data set in a semiarid mesoscale river basin with a distributed biosphere hydrological model. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	59
1926	Diagnosing the Sensitivity of Local LandâAtmosphere Coupling via the Soil MoistureâBoundary Layer Interaction. <b>2011</b> , 12, 766-786	157
1925	Development and Testing of Polar WRF. Part III: Arctic Land*. <b>2011</b> , 24, 26-48	99
1924	A Regional Modeling Study of Climate Change Impacts on Warm-Season Precipitation in the Central United States*. <b>2011</b> , 24, 1985-2002	59
1923	Soil Moisture Drought in China, 1950â2006. <b>2011</b> , 24, 3257-3271	322
1922	Impacts of Urban Processes and Urbanization on Summer Precipitation: A Case Study of Heavy Rainfall in Beijing on 1 August 2006. <b>2011</b> , 50, 806-825	190
1921	Impact of the Urban Heat Island Effect on Precipitation over a Complex Geographic Environment in Northern Taiwan. <b>2011</b> , 50, 339-353	94
1920	Performance of Noah land surface model over the tropical semi-arid conditions in western India. <b>2011</b> , 99, 85-96	18
1919	Role of land surface parameterizations on modeling cold-pooling events and low-level jets. <b>2011</b> , 99, 147-161	16
1918	Coupled land-atmosphere modeling of the effects of shrub encroachment on nighttime temperatures. <b>2011</b> , 151, 1690-1697	15
1917	A comparison of multiple phenology data sources for estimating seasonal transitions in deciduous forest carbon exchange. <b>2011</b> , 151, 1741-1752	123
1916	Surface currents and winds at the Delaware Bay mouth. <b>2011</b> , 31, 1282-1293	18
1915	LandâAtmosphere Coupling Strength in the Global Forecast System. <b>2011</b> , 12, 147-156	21
1914	A Study of the Urban Boundary Layer Using Different Urban Parameterizations and High-Resolution Urban Canopy Parameters with WRF. <b>2011</b> , 50, 1107-1128	184



1913	The role of the land surface processes in the rainfall generated by a landfall typhoon: A simulation of the typhoon Sepat (2007). <b>2011</b> , 47, 63-77	10
1912	Stream recession curves and storage variability in small watersheds. <b>2011</b> , 15, 2377-2389	61
1911	Coupling of Important Physical Processes in the Planetary Boundary Layer between Meteorological and Chemistry Models for Regional to Continental Scale Air Quality Forecasting: An Overview. <b>2011</b> , 2, 464-483	17
1910	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model â Part 1: Model description, annual simulations and evaluation. <b>2011</b> , 11, 13001-13027	156
1909	Characterizing summertime chemical boundary conditions for airmasses entering the US West Coast. <b>2011</b> , 11, 1769-1790	69
1908	CO source contribution analysis for California during ARCTAS-CARB. <b>2011</b> , 11, 7515-7532	62
1907	An investigation of methods for injecting emissions from boreal wildfires using WRF-Chem during ARCTAS. <b>2011</b> , 11, 5719-5744	38
1906	The role of unbalanced mesoscale circulations in dust storms. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a	8
1905	Confronting the WRF and RAMS mesoscale models with innovative observations in the Netherlands: Evaluating the boundary layer heat budget. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a	31
1904	Annual and interannual variations in terrestrial water storage during and following a period of drought in South Carolina, USA. <b>2011</b> , 409, 472-482	8
1903	Development of a Satellite Land Data Assimilation System Coupled With a Mesoscale Model in the Tibetan Plateau. <b>2011</b> , 49, 2847-2862	26
1902	Predicting intertidal organism temperatures with modified land surface models. <b>2011</b> , 222, 3568-3576	36
1901	Back-trajectory-based source apportionment of airborne sulfur and nitrogen concentrations at Rocky Mountain National Park, Colorado, USA. <b>2011</b> , 45, 621-633	33
1900	Mechanisms responsible for the build-up of ozone over South East England during the August 2003 heatwave. <b>2011</b> , 45, 6880-6890	18
1899	Determination of the concentration of aerosol particles in a vertical atmospheric column from satellite measurements of the spectral optical depth. <b>2011</b> , 78, 738-745	3
1898	Evaluation of a Photosynthesis-Based Canopy Resistance Formulation in the Noah Land-Surface Model. <b>2011</b> , 138, 263-284	31
1897	Intercomparison of Planetary Boundary-Layer Parametrizations in the WRF Model for a Single Day from CASES-99. <b>2011</b> , 139, 261-281	243
1896	Simulating cold season snowpack: Impacts of snow albedo and multi-layer snow physics. <b>2011</b> , 109, 95-117	254



1895	Dynamical downscaling of ERA-40 in complex terrain using the WRF regional climate model. <b>2011</b> , 37, 1551-1564	165
1894	Estimation of regional evapotranspiration in the extended Salado Basin (Argentina) from satellite gravity measurements. <b>2011</b> , 19, 629-639	14
1893	Groundwater storage variability and annual recharge using well-hydrograph and GRACE satellite data. <b>2011</b> , 19, 741-755	50
1892	A multimodel ensemble-based Kalman filter for the retrieval of soil moisture profiles. <b>2011</b> , 28, 195-206	6
1891	Impacts of land process on the onset and evolution of Asian summer monsoon in the NCEP climate forecast system. <b>2011</b> , 28, 1301-1317	17
1890	Black sea annual and inter-annual water mass variations from space. <b>2011</b> , 85, 119-127	1
1889	Sensitivity of simulated short-range high-temperature weather to land surface schemes by WRF. <b>2011</b> , 54, 581-590	16
1888	High-resolution simulation over central Europe: assimilation experiments during COPS IOP 9c. <b>2011</b> , 137, 156-175	43
1887	The Twentieth Century Reanalysis Project. <b>2011</b> , 137, 1-28	2424
1886	The integrated WRF/urban modelling system: development, evaluation, and applications to urban environmental problems. <b>2011</b> , 31, 273-288	681
1885	Improvement of snowpack simulations in a regional climate model. <b>2011</b> , 25, 2202-2210	6
1884	A method for estimating soil moisture storage in regions under water stress and storage depletion: a case study of Hai River Basin, North China. <b>2011</b> , 25, 2275-2287	17
1883	Estimating evapotranspiration using an observation based terrestrial water budget. <b>2011</b> , 25, 4082-4092	80
1882	Estimating evapotranspiration with land data assimilation systems. <b>2011</b> , 25, 3979-3992	68
1881	An independent component analysis filtering approach for estimating continental hydrology in the GRACE gravity data. <b>2011</b> , 115, 187-204	65
1880	On the suitability of the 4 <sup>th</sup> GRACE mascon solutions for remote sensing Australian hydrology. <b>2011</b> , 115, 864-875	55
1879	Numerical Simulations of the Postsunrise Reorganization of a Nocturnal Mesoscale Convective System during 13 June IHOP_2002. <b>2011</b> , 68, 2988-3011	27
1878	Evaluating the hydro-estimator satellite rainfall algorithm over a mountainous region. <b>2011</b> , 32, 7315-7342	11

1877	Mesocirculation Associated with Summer Convection over the Central Antilles. <b>2011</b> , 15, 1-19	5
1876	Drought onset and recovery over the United States. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,	72
1875	The Joint UK Land Environment Simulator (JULES), model description âPart 1: Energy and water fluxes. <b>2011</b> , 4, 677-699	784
1874	Regional climate consequences of large-scale cool roof and photovoltaic array deployment. <b>2011</b> , 6, 034001	107
1873	Gridded meteorological data as a resource for mechanistic macroecology in coastal environments. <b>2011</b> , 21, 2678-90	23
1872	Ensemble Evaluation of Hydrologically Enhanced Noah-LSM: Partitioning of the Water Balance in High-Resolution Simulations over the Little Washita River Experimental Watershed. <b>2011</b> , 12, 45-64	14
1871	Drought Indices Based on the Climate Forecast System Reanalysis and Ensemble NLDAS. <b>2011</b> , 12, 181-205	58
1870	Summer-Season Forecast Experiments with the NCEP Climate Forecast System Using Different Land Models and Different Initial Land States. <b>2011</b> , 24, 2319-2334	14
1869	Modulation of Cold-Season U.S. Daily Precipitation by the MaddenâJulian Oscillation. <b>2011</b> , 24, 5157-5166	60
1868	Improving Land Data Assimilation Performance with a Water Budget Constraint. <b>2011</b> , 12, 1040-1055	25
1867	Hierarchical Cluster Analysis of a Convection-Allowing Ensemble during the Hazardous Weather Testbed 2009 Spring Experiment. Part I: Development of the Object-Oriented Cluster Analysis Method for Precipitation Fields. <b>2011</b> , 139, 3673-3693	34
1866	Hierarchical Cluster Analysis of a Convection-Allowing Ensemble during the Hazardous Weather Testbed 2009 Spring Experiment. Part II: Ensemble Clustering over the Whole Experiment Period. <b>2011</b> , 139, 3694-3710	42
1865	A Proposed Model-Based Methodology for Feature-Specific Prediction for High-Impact Weather. <b>2011</b> , 26, 243-249	14
1864	Improving Numerical Weather Predictions of Summertime Precipitation over the Southeastern United States through a High-Resolution Initialization of the Surface State. <b>2011</b> , 26, 785-807	37
1863	A New Characterization of the Land Surface Heterogeneity over Africa for Use in Land Surface Models. <b>2011</b> , 12, 1321-1336	8
1862	The Second Phase of the Global LandâAtmosphere Coupling Experiment: Soil Moisture Contributions to Subseasonal Forecast Skill. <b>2011</b> , 12, 805-822	242
1861	Quantifying the thermodynamic entropy budget of the land surface: is this useful?. <b>2011</b> , 2, 87-103	33
1860	Propagating Subsurface Uncertainty to the Atmosphere Using Fully Coupled Stochastic Simulations. <b>2011</b> , 12, 690-701	30

1859 Quantifying the thermodynamic entropy budget of the land surface: is this useful?. **2011**,

1858 Dynamic Downscaling of the North American Monsoon with the NCEPâScripps Regional Spectral Model from the NCEP CFS Global Model. **2011**, 24, 653-673 13

1857 Orographic Influences on an Oahu Flood. **2011**, 139, 2198-2217 8

1856 Improving High-Resolution Model Forecasts of Downslope Winds in the Las Vegas Valley. **2011**, 50, 1324-1340 4

1855 Effects of Surface Heat and Moisture Exchange on ARW-WRF Warm-Season Precipitation Forecasts over the Central United States. **2011**, 26, 3-25 34

1854 A New Single-Layer Urban Canopy Model for Use in Mesoscale Atmospheric Models. **2011**, 50, 1773-1794 63

1853 Recurrent Supersynoptic Evolution of the Great Plains Low-Level Jet. **2011**, 24, 575-582 23

1852 High-Resolution Coupled Climate Runoff Simulations of Seasonal Snowfall over Colorado: A Process Study of Current and Warmer Climate. **2011**, 24, 3015-3048 331

1851 Development of a Coupled GroundwaterâAtmosphere Model. **2011**, 139, 96-116 101

1850 Assessment of Forecasts during Persistent Valley Cold Pools in the Bonneville Basin by the North American Mesoscale Model. **2011**, 26, 447-467 15

1849 Object-Based Evaluation of a Storm-Scale Ensemble during the 2009 NOAA Hazardous Weather Testbed Spring Experiment. **2012**, 141, 1079-1098 29

1848 Sensitivity of 0â2-h Warm-Season Precipitation Forecasts over the Central United States to Model Initialization. **2012**, 27, 832-855 40

1847 Assimilation of Satellite-Observed Snow Albedo in a Land Surface Model. **2012**, 13, 1119-1130 22

1846 Reducing Water Imbalance in Land Data Assimilation: Ensemble Filtering without Perturbed Observations. **2012**, 13, 413-420 7

1845 Uncertainties in North American Land Data Assimilation Systems over the Contiguous United States. **2012**, 13, 996-1009 44

1844 The Diurnal Cycle of Precipitation from Continental Radar Mosaics and Numerical Weather Prediction Models. Part II: Intercomparison among Numerical Models and with Nowcasting. **2012**, 140, 2689-2705 33

1843 Integration of Lidar Data into a Coupled MesoscaleâLand Surface Model: A Theoretical Assessment of Sensitivity of UrbanâCoastal Mesoscale Circulations to Urban Canopy Parameters. **2012**, 29, 328-346 27

1842 An Operation-Based Scheme for a Multiyear and Multipurpose Reservoir to Enhance Macroscale Hydrologic Models. **2012**, 13, 270-283 38

1841	Can a Regional Climate Model Improve the Ability to Forecast the North American Monsoon?. <b>2012</b> , 25, 8212-8237	63
1840	Surface Skin Temperature and the Interplay between Sensible and Ground Heat Fluxes over Arid Regions. <b>2012</b> , 13, 1359-1370	40
1839	Understanding Simulated Extreme Precipitation Events in Madison, Wisconsin, and the Role of Moisture Flux Convergence during the Late Twentieth and Twenty-First Centuries*. <b>2012</b> , 13, 877-894	16
1838	The Role of Windward-Side Diabatic Heating in Sierra Nevada Spillover Precipitation. <b>2012</b> , 13, 1172-1194	10
1837	The HWRF Hurricane Ensemble Data Assimilation System (HEDAS) for High-Resolution Data: The Impact of Airborne Doppler Radar Observations in an OSSE. <b>2012</b> , 140, 1843-1862	50
1836	Regional ClimateâWeather Research and Forecasting Model. <b>2012</b> , 93, 1363-1387	110
1835	Assimilating AIRS Temperature and Mixing Ratio Profiles Using an Ensemble Kalman Filter Approach for Convective-Scale Forecasts. <b>2012</b> , 27, 541-564	28
1834	A Global Intercomparison of Modeled and Observed LandâAtmosphere Coupling*. <b>2012</b> , 13, 749-784	70
1833	Numerical Simulation of Episodes of Organized Convection in Tropical Northern Africa. <b>2012</b> , 140, 2874-2886	18
1832	Simulating the Regional Impacts of Urbanization and Anthropogenic Heat Release on Climate across China. <b>2012</b> , 25, 7187-7203	120
1831	A Global Atmospheric Analysis Dataset Downscaled from the NCEPâDOE Reanalysis. <b>2012</b> , 25, 2527-2534	7
1830	Comparison of Ensemble Kalman FilterâBased Forecasts to Traditional Ensemble and Deterministic Forecasts for a Case Study of Banded Snow. <b>2012</b> , 27, 85-105	4
1829	Representation of Terrestrial Hydrology and Large-Scale Drought of the Continental United States from the North American Regional Reanalysis. <b>2012</b> , 13, 856-876	41
1828	The SURFEXv7.2 land and ocean surface platform for coupled or offline simulation of Earth surface variables and fluxes. <b>2012</b> ,	12
1827	Land surface Verification Toolkit (LVT) âa generalized framework for land surface model evaluation. <b>2012</b> ,	1
1826	Some Observational Evidence for Dry Soils Supporting Enhanced Relative Humidity at the Convective Boundary Layer Top. <b>2012</b> , 13, 1347-1358	27
1825	Land surface Verification Toolkit (LVT) âa generalized framework for land surface model evaluation. <b>2012</b> , 5, 869-886	36
1824	Investigation of Large-Scale Atmospheric Moisture Budget and Land Surface Interactions over U.S. Southern Great Plains including for CLASIC (June 2007). <b>2012</b> , 13, 1719-1738	15

1823	Assessing the Performance of Multiple Regional Climate Model Simulations for Seasonal Mountain Snow in the Upper Colorado River Basin. <b>2012</b> , 13, 539-556	35
1822	Application of a Lightning Data Assimilation Technique in the WRF-ARW Model at Cloud-Resolving Scales for the Tornado Outbreak of 24 May 2011. <b>2012</b> , 140, 2609-2627	89
1821	Spatial-Scale Characteristics of Precipitation Simulated by Regional Climate Models and the Implications for Hydrological Modeling. <b>2012</b> , 13, 1817-1835	24
1820	Land Cover Change Effects on the Climate of the La Plata Basin. <b>2012</b> , 13, 84-102	47
1819	Meteorological Impacts of Forest Mortality due to Insect Infestation in Colorado. <b>2012</b> , 16, 1-11	15
1818	Characteristics of Drought and Persistent Wet Spells over the United States in the Atmosphere–Land–Ocean Coupled Model Experiments. <b>2012</b> , 16, 1-26	4
1817	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model – Part 2: Experimental campaigns in Northern Africa. <b>2012</b> , 12, 2933-2958	68
1816	Effects of Different Land-Surface Schemes on the Simulation of a Heavy Rainfall Event by WRF. <b>2012</b> , 55, 394-408	13
1815	SO <sub>2</sub> over central China: Measurements, numerical simulations and the tropospheric sulfur budget. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	47
1814	WRF ensemble downscaling seasonal forecasts of China winter precipitation during 1982–2008. <b>2012</b> , 39, 2041-2058	52
1813	Evaporation-precipitation variability over Indian Ocean and its assessment in NCEP Climate Forecast System (CFSv2). <b>2012</b> , 39, 2585-2608	51
1812	Spin-up behavior of soil moisture content over East Asia in a land surface model. <b>2012</b> , 118, 151-161	25
1811	To improve model soil moisture estimation in arid/semi-arid region using in situ and remote sensing information. <b>2012</b> , 10, 165-173	3
1810	Decadal variations of land surface temperature anomalies observed over the Tibetan Plateau by the Special Sensor Microwave Imager (SSM/I) from 1987 to 2008. <b>2012</b> , 114, 769-781	47
1809	Performance of the experimental HWRF in the 2008 Hurricane Season. <b>2012</b> , 63, 1439-1449	26
1808	An HWRF-based ensemble assessment of the land surface feedback on the post-landfall intensification of Tropical Storm Fay (2008). <b>2012</b> , 63, 1543-1571	14
1807	An approach for siting poplar energy production systems to increase productivity and associated ecosystem services. <b>2012</b> , 284, 45-58	34
1806	Verification and Calibration of Neighborhood and Object-Based Probabilistic Precipitation Forecasts from a Multimodel Convection-Allowing Ensemble. <b>2012</b> , 140, 3054-3077	47

1805	Toward Improving High-Resolution Numerical Hurricane Forecasting: Influence of Model Horizontal Grid Resolution, Initialization, and Physics. <b>2012</b> , 27, 647-666	110
1804	Comparisons of Single- and Double-Moment Microphysics Schemes in the Simulation of a Synoptic-Scale Snowfall Event. <b>2012</b> , 140, 2982-3002	42
1803	Evaluation of the Reanalysis Products from GSFC, NCEP, and ECMWF Using Flux Tower Observations. <b>2012</b> , 25, 1916-1944	246
1802	Feedback between windblown dust and planetary boundary-layer characteristics: Sensitivity to boundary and surface layer parameterizations. <b>2012</b> , 61, 294-304	31
1801	An urban "green planning" approach utilizing the Weather Research and Forecasting (WRF) modeling system. A case study of Athens, Greece. <b>2012</b> , 105, 174-183	43
1800	On the capabilities of the multi-channel singular spectrum method for extracting the main periodic and non-periodic variability from weekly GRACE data. <b>2012</b> , 54, 64-78	36
1799	Noah-GEM and Land Data Assimilation System (LDAS) based downscaling of global reanalysis surface fields: Evaluations using observations from a CarboEurope agricultural site. <b>2012</b> , 86, 55-74	9
1798	A comparison of methods for a priori bias correction in soil moisture data assimilation. <b>2012</b> , 48,	100
1797	Hydrological deformation induced by the West African Monsoon: Comparison of GPS, GRACE and loading models. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	60
1796	Impact of gas-phase mechanisms on Weather Research Forecasting Model with Chemistry (WRF/Chem) predictions: Mechanism implementation and comparative evaluation. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	57
1795	Continental-scale water and energy flux analysis and validation for the North American Land Data Assimilation System project phase 2 (NLDAS-2): 1. Intercomparison and application of model products. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	373
1794	Continental-scale water and energy flux analysis and validation for North American Land Data Assimilation System project phase 2 (NLDAS-2): 2. Validation of model-simulated streamflow. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	170
1793	Effect of an extratropical mesoscale convective system on water vapor transport in the upper troposphere/lower stratosphere: A modeling study. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	7
1792	Evaluation and improvements of two community models in simulating dry deposition velocities for peroxyacetyl nitrate (PAN) over a coniferous forest. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	25
1791	Detecting inhomogeneities in the Twentieth Century Reanalysis over the central United States. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	55
1790	An assessment of surface soil temperature products from numerical weather prediction models using ground-based measurements. <b>2012</b> , 48,	38
1789	Multiscale assimilation of Advanced Microwave Scanning Radiometer-EOS snow water equivalent and Moderate Resolution Imaging Spectroradiometer snow cover fraction observations in northern Colorado. <b>2012</b> , 48,	125
1788	Monitoring groundwater storage changes in the highly seasonal humid tropics: Validation of GRACE measurements in the Bengal Basin. <b>2012</b> , 48,	145

1787	An ensemble Kalman filter dual assimilation of thermal infrared and microwave satellite observations of soil moisture into the Noah land surface model. <b>2012</b> , 48,	49
1786	Distributed assimilation of satellite-based snow extent for improving simulated streamflow in mountainous, dense forests: An example over the DMIP2 western basins. <b>2012</b> , 48,	17
1785	An objective methodology for merging satellite- and model-based soil moisture products. <b>2012</b> , 48,	63
1784	Assessing surface water consumption using remotely-sensed groundwater, evapotranspiration, and precipitation. <b>2012</b> , 39, n/a-n/a	31
1783	Sub-kilometer dynamical downscaling of near-surface winds in complex terrain using WRF and MM5 mesoscale models. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	63
1782	Response and sensitivity of the nocturnal boundary layer over land to added longwave radiative forcing. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	59
1781	Potential significance of photoexcited NO <sub>2</sub> on global air quality with the NMMB/BSC chemical transport model. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	32
1780	Atmospheric forcing of the three-dimensional distribution of dust particles over Australia: A case study. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	17
1779	Development and initial application of the global-through-urban weather research and forecasting model with chemistry (GU-WRF/Chem). <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,	55
1778	Reconstructing the 20th century high-resolution climate of the southeastern United States. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	14
1777	Quantifying the change in soil moisture modeling uncertainty from remote sensing observations using Bayesian inference techniques. <b>2012</b> , 48,	32
1776	Estimates of evapotranspiration from MODIS and AMSR-E land surface temperature and moisture over the Southern Great Plains. <b>2012</b> , 127, 44-59	27
1775	Soil Moisture, Snow, and Seasonal Streamflow Forecasts in the United States. <b>2012</b> , 13, 189-203	105
1774	Microgravity. <b>2012</b> , 329-342	
1773	A new approach for Bayesian model averaging. <b>2012</b> , 55, 1336-1344	13
1772	Numerical simulation of severe local storms over east India using WRF-NMM mesoscale model. <b>2012</b> , 116, 161-184	32
1771	Earth System Model, Modeling the Land Component of. <b>2012</b> , 139-168	6
1770	Impacts of the Lowest Model Level Height on the Performance of Planetary Boundary Layer Parameterizations. <b>2012</b> , 140, 664-682	40



1769	Comparison of Simulated and Observed Continental Tropical Anvil Clouds and Their Radiative Heating Profiles. <b>2012</b> , 69, 2662-2681	31
1768	The Influence of Shallow Convection on Tropical Cyclone Track Forecasts. <b>2012</b> , 140, 2188-2197	40
1767	Multimodel Analysis of Energy and Water Fluxes: Intercomparisons between Operational Analyses, a Land Surface Model, and Remote Sensing. <b>2012</b> , 13, 3-26	24
1766	Use of Landsat thermal imagery in monitoring evapotranspiration and managing water resources. <b>2012</b> , 122, 50-65	436
1765	Assessment of the Weather Research and Forecasting/Chemistry Model to Simulate Ozone Concentrations in March 2008 over Coastal Areas of the Sea of Japan. <b>2012</b> , 3, 288-319	3
1764	Alternative methods to predict actual evapotranspiration illustrate the importance of accounting for phenology – Part 2: The event driven phenology model. <b>2012</b> , 9, 161-177	7
1763	Role of Patchy Snow Cover on the Planetary Boundary Layer Structure during Late Winter Observed in the Central Tibetan Plateau. <b>2012</b> , 90C, 145-155	4
1762	Assessment of the potential forecasting skill of a global hydrological model in reproducing the occurrence of monthly flow extremes. <b>2012</b> , 16, 4233-4246	15
1761	Advances in Disaster Modeling, Simulation and Visualization for Sandstorm Risk Management in North China. <b>2012</b> , 4, 1337-1354	14
1760	Seasonal probability forecasts of december-january-february precipitation in northern Uruguay and Rio Grande do Sul obtained with the coupled forecast system v2 of NOAA and statistical downscaling. <b>2012</b> , 27, 377-387	1
1759	North American CO <sub>2</sub> exchange: inter-comparison of modeled estimates with results from a fine-scale atmospheric inversion. <b>2012</b> , 9, 457-475	87
1758	Impact of parameterization of physical processes on simulation of track and intensity of tropical cyclone Nargis (2008) with WRF-NMM model. <b>2012</b> , 2012, 671437	25
1757	Calibration and evaluation of a semi-distributed watershed model of Sub-Saharan Africa using GRACE data. <b>2012</b> , 16, 3083-3099	44
1756	Multi-criteria parameter estimation for the Unified Land Model. <b>2012</b> , 16, 3029-3048	27
1755	Space-based passive microwave soil moisture retrievals and the correction for a dynamic open water fraction. <b>2012</b> , 16, 1635-1645	20
1754	Towards an integrated soil moisture drought monitor for East Africa. <b>2012</b> , 16, 2893-2913	113
1753	On the utility of land surface models for agricultural drought monitoring. <b>2012</b> , 16, 3451-3460	53
1752	A comprehensive approach to analyze discrepancies between land surface models and in-situ measurements: a case study over the US and Illinois with SECHIBA forced by NLDAS. <b>2012</b> , 16, 3973-3988	3



1751	Evaluation of NWP results for wintertime nocturnal boundary-layer temperatures over Europe and Finland. <b>2012</b> , 138, 1440-1451	52
1750	Improvement of daytime land surface skin temperature over arid regions in the NCEP GFS model and its impact on satellite data assimilation. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a	56
1749	The Land Surface Analysis in the NCEP Climate Forecast System Reanalysis. <b>2012</b> , 13, 1621-1630	40
1748	A land data assimilation system using the MODIS-derived land data and its application to numerical weather prediction in East Asia. <b>2012</b> , 48, 83-95	15
1747	The impact of observation systems on medium-range weather forecasting in a global forecast system. <b>2012</b> , 48, 159-170	3
1746	Forecast of Low Visibility and Fog from NCEP: Current Status and Efforts. <b>2012</b> , 169, 895-909	49
1745	A method to study the impact of climate change on variability of river flow: an example from the Guadalupe River in Texas. <b>2012</b> , 113, 965-979	9
1744	An assessment of summer sensible heat flux on the Tibetan Plateau from eight data sets. <b>2012</b> , 55, 779-786	56
1743	Parameterizing soil organic carbonâimpacts on soil porosity and thermal parameters for Eastern Tibet grasslands. <b>2012</b> , 55, 1001-1011	86
1742	Simulating dry deposition fluxes of PM10 and particulate inorganic nitrogen over the eastern China seas during a severe Asian dust event using WRF-Chem model. <b>2012</b> , 11, 301-314	8
1741	A simulation study of a heavy rainfall process over the Yangtze River valley using the two-way nesting approach. <b>2012</b> , 29, 731-743	10
1740	Anomalous climatic conditions associated with the El Nio Modoki during boreal winter of 2009. <b>2012</b> , 39, 227-238	32
1739	Development of regional future climate change scenarios in South America using the Eta CPTec/HadCM3 climate change projections: climatology and regional analyses for the Amazon, So Francisco and the Paran River basins. <b>2012</b> , 38, 1829-1848	190
1738	A proxy for high-resolution regional reanalysis for the Southeast United States: assessment of precipitation variability in dynamically downscaled reanalyses. <b>2012</b> , 38, 2449-2466	38
1737	Examining evapotranspiration trends in Africa. <b>2012</b> , 38, 1849-1865	40
1736	Analysis of different weather research and forecasting radiation schemes' impact on the numerical simulation of a typical mesoscale convective weather in China. <b>2012</b> , 80, 68-72	
1735	Evaluation of the meteorological forcing used for the Air Quality Model Evaluation International Initiative (AQMEII) air quality simulations. <b>2012</b> , 53, 15-37	99
1734	Odour-impact assessment around a landfill site from weather-type classification, complaint inventory and numerical simulation. <b>2012</b> , 93, 85-94	36

1733	The distributed model intercomparison project âPhase 2: Motivation and design of the Oklahoma experiments. <b>2012</b> , 418-419, 3-16	64
1732	Results of the DMIP 2 Oklahoma experiments. <b>2012</b> , 418-419, 17-48	85
1731	A tightly bound soilâwater scheme within an atmosphereâlandâsurface model. <b>2012</b> , 452-453, 51-63	4
1730	Comparative analysis of relationships between NLDAS-2 forcings and model outputs. <b>2012</b> , 26, 467-474	70
1729	Some Physical and Computational Issues in Land Surface Data Assimilation of Satellite Skin Temperatures. <b>2012</b> , 169, 401-414	8
1728	Predictability of dry season reforecasts over the tropical and the sub-tropical South American region. <b>2013</b> , 33, 1237-1247	2
1727	Improvement of the Noah land surface model for warm season processes: evaluation of water and energy flux simulation. <b>2013</b> , 27, 297-303	49
1726	The Global/Regional Integrated Model system (GRIMs). <b>2013</b> , 49, 219-243	108
1725	Evaluation of the Complementary Relationship Using Noah Land Surface Model and North American Regional Reanalysis (NARR) Data to Estimate Evapotranspiration in Semiarid Ecosystems. <b>2013</b> , 14, 345-359	33
1724	The importance of crop growth modeling to interpret the $\delta^{14}\text{CO}_2$ signature of annual plants. <b>2013</b> , 27, 792-803	16
1723	Impact of U.S. west coastline inhomogeneity and synoptic forcing on winds, wind stress, and wind stress curl during upwelling season. <b>2013</b> , 118, 4036-4051	13
1722	CFSv2 ensemble prediction of the wintertime Arctic Oscillation. <b>2013</b> , 41, 1099-1116	81
1721	Assimilation and downscaling of satellite observed soil moisture over the Little River Experimental Watershed in Georgia, USA. <b>2013</b> , 52, 19-33	91
1720	Large-Eddy AtmosphereâLand-Surface Modelling over Heterogeneous Surfaces: Model Development and Comparison with Measurements. <b>2013</b> , 148, 333-356	40
1719	Short-Term Climate Extremes: Prediction Skill and Predictability. <b>2013</b> , 26, 512-531	36
1718	Role of oceanâatmosphere interaction on northward propagation of Indian summer monsoon intra-seasonal oscillations (MISO). <b>2013</b> , 41, 1651-1669	77
1717	Climate variability and trends in downscaled high-resolution simulations and projections over Metropolitan France. <b>2013</b> , 41, 1419-1437	17
1716	Influence of Eurasian snow on Indian summer monsoon in NCEP CFSv2 freerun. <b>2013</b> , 41, 1801-1815	51

1715	Diagnostics of subseasonal prediction biases of the Asian summer monsoon by the NCEP climate forecast system. <b>2013</b> , 41, 1453-1474	15
1714	Water Deficit Duration and Severity Analysis Based on Runoff Derived from Noah Land Surface Model. <b>2013</b> , 18, 817-833	15
1713	Objectively Determined Fair-Weather CBL Depths in the ARW-WRF Model and Their Comparison to CASES-97 Observations. <b>2013</b> , 141, 30-54	56
1712	Experiments using new initial soil moisture conditions and soil map in the Eta model over La Plata Basin. <b>2013</b> , 121, 119-136	15
1711	A return to wet conditions over Africa: 1995â2010. <b>2013</b> , 111, 471-481	19
1710	An Intercomparison of Drought Indicators Based on Thermal Remote Sensing and NLDAS-2 Simulations with U.S. Drought Monitor Classifications. <b>2013</b> , 14, 1035-1056	166
1709	Model Bias in a Continuously Cycled Assimilation System and Its Influence on Convection-Permitting Forecasts. <b>2013</b> , 141, 1263-1284	65
1708	Verification of precipitable water vapour in high-resolution WRF simulations over a mountainous archipelago. <b>2013</b> , 139, 2119-2133	14
1707	. <b>2013</b> , 51, 1393-1404	77
1706	Simulation of rainfall anomalies leading to the 2005 drought in Amazonia using the CLARIS LPB regional climate models. <b>2013</b> , 41, 2937-2955	2
1705	Wind over Terra Nova Bay (Antarctica) during a polynya event: Eta model simulations and satellite microwave observations. <b>2013</b> , 128, 1	7
1704	Asymmetric effects of soil moisture on mean daily maximum and minimum temperatures over eastern China. <b>2013</b> , 122, 199-213	19
1703	Characterizing the surface radiation budget over the Tibetan Plateau with ground-measured, reanalysis, and remote sensing data sets: 1. Methodology. <b>2013</b> , 118, 9642-9657	26
1702	Influence of synoptic weather events on the isotopic composition of atmospheric moisture in a coastal city of the western United States. <b>2013</b> , 49, 3685-3696	23
1701	Ensemble square root filter assimilation of near-surface soil moisture and reference-level observations into a coupled land surface-boundary layer model. <b>2013</b> , 27, 541-555	2
1700	Improving simulation of a tropical cyclone using dynamical initialization and large-scale spectral nudging: A case study of Typhoon Megi (2010). <b>2013</b> , 27, 455-475	16
1699	Erosion effects assessed by repeated gravity measurements in southern Taiwan. <b>2013</b> , 192, 113-136	10
1698	. <b>2013</b> , 6, 887-899	12

1697	. <b>2013</b> , 51, 378-398	77
1696	Assessing disagreement and tolerance of misclassification of satellite-derived land cover products used in WRF model applications. <b>2013</b> , 30, 125-141	16
1695	Patterns and cycles in the Climate Forecast System Reanalysis wind and wave data. <b>2013</b> , 70, 207-220	98
1694	A perspective on urban canopy layer modeling for weather, climate and air quality applications. <b>2013</b> , 3, 13-39	62
1693	Characterization of spatio-temporal patterns for various GRACE- and GLDAS-born estimates for changes of global terrestrial water storage. <b>2013</b> , 109, 30-37	41
1692	Simulated hydroclimatic impacts of projected Brazilian sugarcane expansion. <b>2013</b> , 40, 972-977	33
1691	Validation of Noah-Simulated Soil Temperature in the North American Land Data Assimilation System Phase 2. <b>2013</b> , 52, 455-471	43
1690	Verification of Convection-Allowing WRF Model Forecasts of the Planetary Boundary Layer Using Sounding Observations. <b>2013</b> , 28, 842-862	120
1689	Evaluation of groundwater depletion in North China using the Gravity Recovery and Climate Experiment (GRACE) data and ground-based measurements. <b>2013</b> , 49, 2110-2118	430
1688	Assimilating satellite-based snow depth and snow cover products for improving snow predictions in Alaska. <b>2013</b> , 54, 208-227	75
1687	Satellite based estimates of terrestrial water storage variations in Turkey. <b>2013</b> , 67, 106-110	24
1686	Regional-scale river flow modeling using off-the-shelf runoff products, thousands of mapped rivers and hundreds of stream flow gauges. <b>2013</b> , 42, 116-132	32
1685	The simulation of European heat waves from an ensemble of regional climate models within the EURO-CORDEX project. <b>2013</b> , 41, 2555-2575	242
1684	The NASA-Goddard Multi-scale Modeling Frameworkâland Information System: Global land/atmosphere interaction with resolved convection. <b>2013</b> , 39, 103-115	22
1683	Impact of vegetation fraction from Indian geostationary satellite on short-range weather forecast. <b>2013</b> , 168, 82-92	14
1682	Summer-time climate impacts of projected megapolitan expansion in Arizona. <b>2013</b> , 3, 37-41	138
1681	Intraseasonal SST-precipitation relationship and its spatial variability over the tropical summer monsoon region. <b>2013</b> , 41, 45-61	83
1680	Comparing the results of precipitation forecast based on mesoscale models on the territory of Iran during the cold season. <b>2013</b> , 38, 605-613	6

1679	Evaluating Soil Water Content in a WRF-Noah Downscaling Experiment. <b>2013</b> , 52, 2312-2327	22
1678	On the twenty-first-century wet season projections over the Southeastern United States. <b>2013</b> , 13, 153-164	9
1677	Regional climate impacts of a biofuels policy projection. <b>2013</b> , 40, 1217-1222	13
1676	Further Improvement on GPU-Based Parallel Implementation of WRF 5-Layer Thermal Diffusion Scheme. <b>2013</b> ,	1
1675	Impact of Land Model Calibration on Coupled Land-Atmosphere Prediction. <b>2013</b> , 14, 1373-1400	30
1674	Multiscale Evaluation of the Improvements in Surface Snow Simulation through Terrain Adjustments to Radiation. <b>2013</b> , 14, 220-232	18
1673	NOAA's Second-Generation Global Medium-Range Ensemble Reforecast Dataset. <b>2013</b> , 94, 1553-1565	235
1672	Effect of High-Resolution Meteorological Forcing on Nearshore Wave and Current Model Performance. <b>2013</b> , 30, 1021-1037	22
1671	The Implementation of an Explicit Charging and Discharge Lightning Scheme within the WRF-ARW Model: Benchmark Simulations of a Continental Squall Line, a Tropical Cyclone, and a Winter Storm. <b>2013</b> , 141, 2390-2415	66
1670	Simulation of the spatial distribution of mineral dust and its direct radiative forcing over Australia. <b>2013</b> , 65, 19856	8
1669	The Dependence of QPF on the Choice of Microphysical Parameterization for Lake-Effect Snowstorms. <b>2013</b> , 52, 363-377	21
1668	Forecasting the New York City Urban Heat Island and Sea Breeze during Extreme Heat Events. <b>2013</b> , 28, 1460-1477	49
1667	Simulation and Dynamical Prediction of the Summer Asian-Pacific Oscillation and Associated Climate Anomalies by the NCEP CFSv2. <b>2013</b> , 26, 3644-3656	9
1666	A WRF Ensemble for Improved Wind Speed Forecasts at Turbine Height. <b>2013</b> , 28, 212-228	52
1665	Enhancing the representation of subgrid land surface characteristics in land surface models. <b>2013</b> ,	
1664	Object-Based Evaluation of the Impact of Horizontal Grid Spacing on Convection-Allowing Forecasts. <b>2013</b> , 141, 3413-3425	40
1663	Calibration and Validation of the Integrated Biosphere Simulator (IBIS) for a Brazilian Semiarid Region. <b>2013</b> , 52, 2753-2770	11
1662	Atmosphere-Land Surface Interactions over the Southern Great Plains: Characterization from Pentad Analysis of DOE ARM Field Observations and NARR. <b>2013</b> , 26, 875-886	30

1661	A Modeling Study of Irrigation Effects on Surface Fluxes and LandâAirâCloud Interactions in the Southern Great Plains. <b>2013</b> , 14, 700-721	115
1660	Diagnosing Forecast Errors in Tropical Cyclone Motion. <b>2013</b> , 141, 405-430	65
1659	Incremental Correction for the Dynamical Downscaling of Ensemble Mean Atmospheric Fields. <b>2013</b> , 141, 3087-3101	21
1658	Intensification of Hurricane Sandy (2012) through Extratropical Warm Core Seclusion. <b>2013</b> , 141, 4296-4321	83
1657	The Impact of Large-Scale Forcing on Skill of Simulated Convective Initiation and Upscale Evolution with Convection-Allowing Grid Spacings in the WRF*. <b>2013</b> , 28, 994-1018	45
1656	Response of Simulated Surface Air Temperature to the Interannual Variability of Leaf Area Index in Eastern China. <b>2013</b> , 2013, 1-10	3
1655	Low level jet intensification by mineral dust aerosols. <b>2013</b> , 31, 625-632	45
1654	Sensitivity of Bow-Echo Simulation to Microphysical Parameterizations. <b>2013</b> , 28, 1188-1209	37
1653	Assimilation of High-Resolution Tropical Cyclone Observations with an Ensemble Kalman Filter Using NOAA/AOML/HRDâHEDAS: Evaluation of the 2008â11 Vortex-Scale Analyses. <b>2013</b> , 141, 1842-1865	44
1652	Impact of Flow Dependence, Column Covariance, and Forecast Model Type on Surface-Observation Assimilation for Probabilistic PBL Profile Nowcasts. <b>2013</b> , 28, 29-54	3
1651	Diagnosing the Nature of LandâAtmosphere Coupling: A Case Study of Dry/Wet Extremes in the U.S. Southern Great Plains. <b>2013</b> , 14, 3-24	74
1650	Connecting Satellite Observations with Water Cycle Variables Through Land Data Assimilation: Examples Using the NASA GEOS-5 LDAS. <b>2013</b> , 577-606	7
1649	Land Use and Land Cover Changes and Their Impacts on Hydroclimate, Ecosystems and Society. <b>2013</b> , 185-203	9
1648	Representation of Soil Moisture Feedbacks during Drought in NASA Unified WRF (NU-WRF). <b>2013</b> , 14, 360-367	52
1647	Enhancing the representation of subgrid land surface characteristics in land surface models. <b>2013</b> , 6, 1609-1622	14
1646	Downscaling a global climate model to simulate climate change over the US and the implication on regional and urban air quality. <b>2013</b> , 6, 1429-1445	30
1645	Modeling the influence of open water surfaces on the summertime temperature and thermal comfort in the city. <b>2013</b> , 118, 8881-8896	108
1644	Development of a Coupled Land Surface Hydrologic Model and Evaluation at a Critical Zone Observatory. <b>2013</b> , 14, 1401-1420	73

1643	Implications of biofuel policy-driven land cover change for rainfall erosivity and soil erosion in the United States. <b>2013</b> , 5, 713-722	17
1642	Sensitivity study of soil moisture on the temporal evolution of surface temperature over bare surfaces. <b>2013</b> , 34, 3314-3331	49
1641	Significance of surface water in the terrestrial water budget: A case study in the Prairie Coteau using GRACE, GLDAS, Landsat, and groundwater well data. <b>2013</b> , 49, 5756-5764	17
1640	Quantitative analysis of Bora events in the Adriatic Sea by means of SAR-based techniques and the ETA model. <b>2013</b> ,	
1639	The role of snow-surface coupling, radiation, and turbulent mixing in modeling a stable boundary layer over Arctic sea ice. <b>2013</b> , 118, 1199-1217	53
1638	References. <b>2013</b> , 605-716	
1637	Assessing summertime urban air conditioning consumption in a semiarid environment. <b>2013</b> , 8, 034022	51
1636	A multisensor evaluation of the asymmetric convective model, version 2, in southeast Texas. <b>2013</b> , 63, 41-53	4
1635	Diagnosing Present and Future Permafrost from Climate Models. <b>2013</b> , 26, 5608-5623	208
1634	Development and evaluation of a mosaic approach in the WRF-Noah framework. <b>2013</b> , 118, 11,918-11,935	88
1633	Application of WRF/Chem-MADRID and WRF/Polyphemus in Europe âPart 1: Model description, evaluation of meteorological predictions, and aerosolâmeteorology interactions. <b>2013</b> , 13, 6807-6843	30
1632	Effect of land cover on atmospheric processes and air quality over the continental United States â NASA Unified WRF (NU-WRF) model study. <b>2013</b> , 13, 6207-6226	57
1631	Regional parameter estimation for the unified land model. <b>2013</b> , 49, 100-114	15
1630	Simulating smoke transport from wildland fires with a regional-scale air quality model: Sensitivity to uncertain wind fields. <b>2013</b> , 118, 6493-6504	27
1629	Antarctica, Greenland and Gulf of Alaska land-ice evolution from an iterated GRACE global mascon solution. <b>2013</b> , 59, 613-631	273
1628	Representing and evaluating the landscape freeze/thaw properties and their impacts on soil impermeability: Hydrological processes in the community land model version 4. <b>2013</b> , 118, 7542-7557	3
1627	Nonhydrostatic nested climate modeling: A case study of the 2010 summer season over the western United States. <b>2013</b> , 118, 10,944-10,962	8
1626	Re-examination of the I-5 dust storm. <b>2013</b> , 118, 627-642	6

1625	State of the Art in Large-Scale Soil Moisture Monitoring. <b>2013</b> , 77, 1888-1919	268
1624	Estimating Total Discharge in the Yangtze River Basin Using Satellite-Based Observations. <b>2013</b> , 5, 3415-3430	31
1623	Potential impact of land use change on future regional climate in the Southeastern U.S.: Reforestation and crop land conversion. <b>2013</b> , 118, 11,577-11,588	24
1622	The SURFEXv7.2 land and ocean surface platform for coupled or offline simulation of earth surface variables and fluxes. <b>2013</b> , 6, 929-960	392
1621	Monitoring daily evapotranspiration in Northeast Asia using MODIS and a regional Land Data Assimilation System. <b>2013</b> , 118, 12,927-12,940	29
1620	Subtropical-polar jet interactions in Southern Plains dust storms. <b>2013</b> , 118, 12,893-12,914	3
1619	The COsmic-ray Soil Moisture Interaction Code (COSMIC) for use in data assimilation. <b>2013</b> , 17, 3205-3217	51
1618	A Remote-Sensing Driven Tool for Estimating Crop Stress and Yields. <b>2013</b> , 5, 3331-3356	17
1617	Results from a full coupling of the HIRHAM regional climate model and the MIKE SHE hydrological model for a Danish catchment. <b>2014</b> , 18, 4733-4749	29
1616	The Effects of Great Plains Irrigation on the Surface Energy Balance, Regional Circulation, and Precipitation. <b>2014</b> , 2, 103-128	47
1615	Preliminary evaluation of a regional atmospheric chemical data assimilation system for environmental surveillance. <b>2014</b> , 11, 12795-816	2
1614	Translating aboveground cosmic-ray neutron intensity to high-frequency soil moisture profiles at sub-kilometer scale. <b>2014</b> , 18, 4363-4379	39
1613	Development of a hybrid variational-ensemble data assimilation technique for observed lightning tested in a mesoscale model. <b>2014</b> , 21, 1027-1041	7
1612	High-resolution land surface modeling utilizing remote sensing parameters and the Noah UCM: a case study in the Los Angeles Basin. <b>2014</b> , 18, 4791-4806	21
1611	Disentangling the response of forest and grassland energy exchange to heatwaves under idealized land-atmosphere coupling. <b>2014</b> , 11, 6159-6171	32
1610	Evaluating the Utah Energy Balance (UEB) snow model in the Noah land-surface model. <b>2014</b> , 18, 3553-3570	10
1609	Change in the contribution of spring snow cover and remote oceans to summer air temperature anomaly over Northeast China around 1990. <b>2014</b> , 119, 663-676	27
1608	A seasonal agricultural drought forecast system for food-insecure regions of East Africa. <b>2014</b> , 18, 3907-3921	86



1607	Use of the Parcel Buoyancy Minimum (Bmin) to Diagnose Simulated Thermodynamic Destabilization. Part I: Methodology and Case Studies of MCS Initiation Environments. <b>2014</b> , 142, 945-966	17
1606	Use of the Parcel Buoyancy Minimum (Bmin) to Diagnose Simulated Thermodynamic Destabilization. Part II: Composite Analysis of Mature MCS Environments. <b>2014</b> , 142, 967-990	13
1605	A sensitivity study of high-resolution regional climate simulations to three land surface models over the western United States. <b>2014</b> , 119, 7271-7291	43
1604	WRF Model Sensitivity to Land Surface Model and Cumulus Parameterization under Short-Term Climate Extremes over the Southern Great Plains of the United States. <b>2014</b> , 27, 7703-7724	38
1603	A Numerical Study of Typhoon Megi (2010). Part I: Rapid Intensification. <b>2014</b> , 142, 29-48	83
1602	Regional Model Simulations of the 2008 Drought in Southern South America Using a Consistent Set of Land Surface Properties. <b>2014</b> , 27, 6754-6778	27
1601	Energy Partitioning and Evapotranspiration over a Rice Paddy in Southern Brazil. <b>2014</b> , 15, 1975-1988	26
1600	Dynamical Prediction of the Early Season Rainfall over Southern China by the NCEP Climate Forecast System. <b>2014</b> , 29, 1391-1401	6
1599	Performance Assessment of a New Stationarity-Based Parameter Estimation Method with a Simplified Land Surface Model Using In Situ and Remotely Sensed Surface States. <b>2014</b> , 15, 340-358	1
1598	Objective Drought Classification Using Multiple Land Surface Models. <b>2014</b> , 15, 990-1010	52
1597	Intraseasonal Modulation of Synoptic-Scale Disturbances and Tropical Cyclone Genesis in the Eastern North Pacific. <b>2014</b> , 27, 5724-5745	28
1596	A Dryline in Southeast Wyoming. Part I: Multiscale Analysis Using Observations and Modeling on 22 June 2010. <b>2014</b> , 142, 268-289	10
1595	Assessing Impacts of Integrating MODIS Vegetation Data in the Weather Research and Forecasting (WRF) Model Coupled to Two Different Canopy-Resistance Approaches. <b>2014</b> , 53, 1362-1380	46
1594	Summer Soil Moisture Spatiotemporal Variability in Southeastern Arizona. <b>2014</b> , 15, 1473-1485	15
1593	Using Varied Microphysics to Account for Uncertainty in Warm-Season QPF in a Convection-Allowing Ensemble. <b>2014</b> , 142, 2198-2219	31
1592	A Study of the Role of Daytime Land–Atmosphere Interactions on Nocturnal Convective Activity in the Southern Great Plains during CLASIC. <b>2014</b> , 15, 1932-1953	14
1591	Summer Season Squall-Line Simulations: Sensitivity of Gravity Waves to Physics Parameterization and Implications for Their Parameterization in Global Climate Models. <b>2014</b> , 71, 3376-3391	15
1590	Evaluation of a Cloud-Scale Lightning Data Assimilation Technique and a 3DVAR Method for the Analysis and Short-Term Forecast of the 29 June 2012 Derecho Event. <b>2014</b> , 142, 183-202	57

1589	Multiscale Characteristics and Evolution of Perturbations for Warm Season Convection-Allowing Precipitation Forecasts: Dependence on Background Flow and Method of Perturbation. <b>2014</b> , 142, 1053-1073	36
1588	An Examination of Meteorological and Soil Moisture Conditions in the Babocomari River Basin before the Flood Event of 2008. <b>2014</b> , 15, 243-260	5
1587	Evaluation of the Reanalysis Products for the Monsoon Season Droughts in India. <b>2014</b> , 15, 1575-1591	58
1586	Sea State Determination from Ship-Based Geodetic GPS. <b>2014</b> , 31, 2556-2564	9
1585	Hybrid inventory, gravimetry and altimetry (HIGA) mass balance product for Greenland and the Canadian Arctic. <b>2014</b> ,	4
1584	A MODIS-Based Global 1-km Maximum Green Vegetation Fraction Dataset. <b>2014</b> , 53, 1996-2004	57
1583	Assessing the Predictability of Convection Initiation in the High Plains Using an Object-Based Approach. <b>2014</b> , 29, 403-418	27
1582	Assimilation of Lightning Data Using a Nudging Method Involving Low-Level Warming. <b>2014</b> , 142, 4850-4871	28
1581	Air temperature distribution over Mongolia using dynamical downscaling and statistical correction. <b>2014</b> , 34, 2464-2476	10
1580	Assimilation of Remotely Sensed Soil Moisture and Snow Depth Retrievals for Drought Estimation. <b>2014</b> , 15, 2446-2469	127
1579	Water Balance in the Amazon Basin from a Land Surface Model Ensemble. <b>2014</b> , 15, 2586-2614	54
1578	Verification of Numerical Weather Prediction Model Results for Energy Applications in Latvia. <b>2014</b> , 59, 213-220	6
1577	Periodicity and patterns of ocean wind and wave climate. <b>2014</b> , 119, 5563-5584	41
1576	Influence of various land surface parameterization schemes on the simulation of Western Disturbances. <b>2014</b> , 21, 635-643	9
1575	Impact of refined land surface properties on the simulation of a heavy convective rainfall process in the Pearl River Delta region, China. <b>2014</b> , 50, 645-655	7
1574	Comparing Large-Scale Hydrological Model Predictions with Observed Streamflow in the Pacific Northwest: Effects of Climate and Groundwater*. <b>2014</b> , 15, 2501-2521	24
1573	The NCEP Climate Forecast System Version 2. <b>2014</b> , 27, 2185-2208	1767
1572	A multiscale analysis of drought and pluvial mechanisms for the Southeastern United States. <b>2014</b> , 119, 7348-7367	23

1571	Estimating Runoff Using Hydro-Geodetic Approaches. <b>2014</b> , 35, 1333-1359	48
1570	A Trial to Improve Surface Heat Exchange Simulation through Sensitivity Experiments over a Desert Steppe Site. <b>2014</b> , 15, 664-684	13
1569	Achieving accurate simulations of urban impacts on ozone at high resolution. <b>2014</b> , 9, 114019	13
1568	Combining MODIS and AMSR-E observations to improve MCD43A3 short-time snow-covered Albedo estimation. <b>2014</b> , 28, 570-580	2
1567	El Niño adversely affected childhood stature and lean mass in northern Peru. <b>2014</b> , 1,	12
1566	Evaluation of the Parameter Sensitivities of a Coupled Land Surface Hydrologic Model at a Critical Zone Observatory. <b>2014</b> , 15, 279-299	24
1565	Assessment of Roughness Length Schemes Implemented within the Noah Land Surface Model for High-Altitude Regions. <b>2014</b> , 15, 921-937	44
1564	Measuring water availability with limited ground data: assessing the feasibility of an entirely remote-sensing-based hydrologic budget of the Rufiji Basin, Tanzania, using TRMM, GRACE, MODIS, SRB, and AIRS. <b>2014</b> , 28, 853-867	30
1563	Suitability mapping of global wetland areas and validation with remotely sensed data. <b>2014</b> , 57, 2283-2292	19
1562	A slab model of the Great Salt Lake for regional climate simulation. <b>2014</b> , 6, 602-615	13
1561	Impacts of forest harvest on cold season land surface conditions and land-atmosphere interactions in northern Great Lakes states. <b>2014</b> , 6, 923-937	6
1560	Physical analysis on improving the recovery accuracy of the Earth's gravity field by a combination of satellite observations in along-track and cross-track directions. <b>2014</b> , 23, 109101	2
1559	Regional climate modeling on European scales: a joint standard evaluation of the EURO-CORDEX RCM ensemble. <b>2014</b> , 7, 1297-1333	550
1558	A Prototype Global Drought Information System Based on Multiple Land Surface Models. <b>2014</b> , 15, 1661-1676	49
1557	Progress in integrating remote sensing data and hydrologic modeling. <b>2014</b> , 38, 464-498	57
1556	Physically-based modifications to the Sacramento Soil Moisture Accounting model. Part A: Modeling the effects of frozen ground on the runoff generation process. <b>2014</b> , 519, 3475-3491	27
1555	Hydrologic implications of errors in bias-corrected regional reanalysis data for west central Florida. <b>2014</b> , 510, 513-529	16
1554	Mass-induced sea level variations in the Red Sea from GRACE, steric-corrected altimetry, in situ bottom pressure records, and hydrographic observations. <b>2014</b> , 78, 1-7	12

1553	Impacts of landscape fragmentation on simulated precipitation fields in the Amazonian sub-basin of Ji-Paraná using the Eta model. <b>2014</b> , 115, 121-140	5
1552	Assessment of future climate change over East Asia due to the RCP scenarios downscaled by GRIMs-RMP. <b>2014</b> , 42, 733-747	112
1551	The seasonal predictability of the Asian summer monsoon in a two-tiered forecast system. <b>2014</b> , 42, 2491-2507	6
1550	Global seasonal climate predictability in a two tiered forecast system. Part II: boreal winter and spring seasons. <b>2014</b> , 42, 1449-1468	6
1549	Global seasonal climate predictability in a two tiered forecast system: part I: boreal summer and fall seasons. <b>2014</b> , 42, 1425-1448	9
1548	Land-Surface Heterogeneity Effects in the Planetary Boundary Layer. <b>2014</b> , 150, 1-31	11
1547	On the anomalous precipitation enhancement over the Himalayan foothills during monsoon breaks. <b>2014</b> , 43, 2009-2031	44
1546	Comparison of intra-seasonal forecast of Indian summer monsoon between two versions of NCEP coupled models. <b>2014</b> , 118, 331-345	7
1545	An evaluation of the statistical homogeneity of the Twentieth Century Reanalysis. <b>2014</b> , 42, 2841-2866	41
1544	Evaluation of Noah-LSM for soil hydrology parameters in the Indian summer monsoon conditions. <b>2014</b> , 118, 47-56	4
1543	A Real-Time MODIS Vegetation Product for Land Surface and Numerical Weather Prediction Models. <b>2014</b> , 52, 1772-1786	30
1542	Simulation of monsoon intraseasonal variability in NCEP CFSv2 and its role on systematic bias. <b>2014</b> , 43, 2725-2745	65
1541	Forcing mechanisms of a heavy precipitation event in the southeastern Adriatic area. <b>2014</b> , 72, 1231-1252	12
1540	Atmospheric mesoscale conditions during the Boothbay meteotsunami: a numerical sensitivity study using a high-resolution mesoscale model. <b>2014</b> , 74, 55-74	21
1539	Thirty-two-year ocean-atmosphere coupled downscaling of global reanalysis over the Intra-American Seas. <b>2014</b> , 43, 2471-2489	20
1538	Diagnosis of the marine low cloud simulation in the NCAR community earth system model (CESM) and the NCEP global forecast system (GFS)-modular ocean model v4 (MOM4) coupled model. <b>2014</b> , 43, 737-752	11
1537	Impact of land-atmospheric coupling in CFSv2 on drought prediction. <b>2014</b> , 43, 421-434	32
1536	Closing the Gaps in Our Knowledge of the Hydrological Cycle over Land: Conceptual Problems. <b>2014</b> , 35, 623-660	44

1535	The global distribution of mineral dust and its impacts on the climate system: A review. <b>2014</b> , 138, 152-165	215
1534	Effect of dead leaves on early spring dust emission in East Asia. <b>2014</b> , 86, 35-46	12
1533	The "Wind of 120days" and dust storm activity over the Sistan Basin. <b>2014</b> , 143, 328-341	96
1532	Geographical variation in climatic sensitivity of intertidal mussel zonation. <b>2014</b> , 23, 744-756	36
1531	WRF simulations of urban heat island under hot-weather synoptic conditions: The case study of Hangzhou City, China. <b>2014</b> , 138, 364-377	110
1530	The surface radiation budget over South America in a set of regional climate models from the CLARIS-LPB project. <b>2014</b> , 43, 1221-1239	11
1529	Intercomparison of wind and wave data from the ECMWF Reanalysis Interim and the NCEP Climate Forecast System Reanalysis. <b>2014</b> , 75, 65-83	215
1528	A Comparison of Microwave Window Channel Retrieved and Forward-Modeled Emissivities Over the U.S. Southern Great Plains. <b>2014</b> , 52, 2395-2412	20
1527	Mechanisms Governing the Persistence and Diurnal Cycle of a Heavy Rainfall Corridor. <b>2014</b> , 71, 4102-4126	24
1526	Objectively Determined Fair-Weather NBL Features in ARW-WRF and Their Comparison to CASES-97 Observations. <b>2014</b> , 142, 2709-2732	20
1525	Large-Scale Runoff from Landmasses: A Global Assessment of the Closure of the Hydrological and Atmospheric Water Balances*. <b>2014</b> , 15, 2111-2139	57
1524	Influences of soil moisture and vegetation on convective precipitation forecasts over the United States Great Plains. <b>2014</b> , 119, 9338-9358	27
1523	Convectively Induced Secondary Circulations in Fine-Grid Mesoscale Numerical Weather Prediction Models. <b>2014</b> , 142, 3284-3302	96
1522	Uncertainty in evapotranspiration from land surface modeling, remote sensing, and GRACE satellites. <b>2014</b> , 50, 1131-1151	300
1521	A parametric model for classifying land cover and evaluating training data based on multi-temporal remote sensing data. <b>2014</b> , 97, 219-228	14
1520	Urbanization and Rainfall Variability in the Beijing Metropolitan Region. <b>2014</b> , 15, 2219-2235	51
1519	Impact of Land Surface Processes on the South Asian Monsoon Simulations Using WRF Modeling System. <b>2014</b> , 171, 2461-2484	18
1518	The Third GABLS Intercomparison Case for Evaluation Studies of Boundary-Layer Models. Part B: Results and Process Understanding. <b>2014</b> , 152, 157-187	69

1517	Evaluation of the Weather Research and Forecasting Mesoscale Model for GABLS3: Impact of Boundary-Layer Schemes, Boundary Conditions and Spin-Up. <b>2014</b> , 152, 213-243	81
1516	Connecting Satellite Observations with Water Cycle Variables Through Land Data Assimilation: Examples Using the NASA GEOS-5 LDAS. <b>2014</b> , 35, 577-606	49
1515	Atmospheric processes responsible for generation of the 2008 Boothbay meteotsunami. <b>2014</b> , 74, 25-53	27
1514	Evaluated Crop Evapotranspiration over a Region of Irrigated Orchards with the Improved ACASA-WRF Model. <b>2014</b> , 15, 744-758	21
1513	Observation system simulation experiments using water vapor isotope information. <b>2014</b> , 119, 7842-7862	24
1512	A Global Land Cover Climatology Using MODIS Data. <b>2014</b> , 53, 1593-1605	194
1511	Improving modeled snow albedo estimates during the spring melt season. <b>2014</b> , 119, 7311-7331	14
1510	Spatial distribution of surface energy fluxes over the Loess Plateau in China and its relationship with climate and the environment. <b>2014</b> , 57, 2135-2147	10
1509	Impact of cloud microphysics and cumulus parameterization on simulation of heavy rainfall event during 7-9 October 2007 over Bangladesh. <b>2014</b> , 123, 259-279	14
1508	Improvements in medium range weather forecasting system of India. <b>2014</b> , 123, 247-258	18
1507	Evaluation of Assumptions in Soil Moisture Triple Collocation Analysis. <b>2014</b> , 15, 1293-1302	83
1506	Integration of coastal inundation modeling from storm tides to individual waves. <b>2014</b> , 83, 26-42	19
1505	Designing a Suite of Models to Explore Critical Zone Function. <b>2014</b> , 10, 7-15	32
1504	Sensitivity of Near-Surface Temperature Forecasts to Soil Properties over a Sparsely Vegetated Dryland Region. <b>2014</b> , 53, 1976-1995	40
1503	Aircraft wind measurements to assess a coupled WRF-CALMET mesoscale system. <b>2014</b> , 21, 117-128	11
1502	Evaluation of multi-model simulated soil moisture in NLDAS-2. <b>2014</b> , 512, 107-125	128
1501	Lake level change and total water discharge in East Africa Rift Valley from satellite-based observations. <b>2014</b> , 117, 79-90	55
1500	Long-term groundwater variations in Northwest India from satellite gravity measurements. <b>2014</b> , 116, 130-138	160

1499	Comparison of prognostic and diagnostic surface flux modeling approaches over the Nile River basin. <b>2014</b> , 50, 386-408	60
1498	Urban adaptation can roll back warming of emerging megapolitan regions. <b>2014</b> , 111, 2909-14	324
1497	An integrated modelling framework of catchment-scale ecohydrological processes: 1. Model description and tests over an energy-limited watershed. <b>2014</b> , 7, 427-439	59
1496	Quantifying the potential for high-altitude smoke injection in the North American boreal forest using the standard MODIS fire products and subpixel-based methods. <b>2014</b> , 119, 3401-3419	38
1495	Characterization of Drought Development through Remote Sensing: A Case Study in Central Yunnan, China. <b>2014</b> , 6, 4998-5018	67
1494	Assessment of simulated water balance from Noah, Noah-MP, CLM, and VIC over CONUS using the NLDAS test bed. <b>2014</b> , 119, 13,751-13,770	101
1493	Snow Cover Depletion Curves and Snow Water Equivalent Reconstruction. <b>2014</b> , 157-173	2
1492	Retrieval and Validation of VIIRS Snow Cover Information for Terrestrial Water Cycle Applications. <b>2014</b> , 175-197	1
1491	Improving mesoscale modeling using satellite-derived land surface parameters in the Pearl River Delta region, China. <b>2014</b> , 119, 6325-6346	37
1490	Modeling seasonal snowpack evolution in the complex terrain and forested Colorado Headwaters region: A model intercomparison study. <b>2014</b> , 119, 13,795-13,819	69
1489	Influence of irrigation on land hydrological processes over California. <b>2014</b> , 119, 13,137-13,152	27
1488	Using a WRF simulation to examine regions where convection impacts the Asian summer monsoon anticyclone. <b>2014</b> , 14, 2055-2070	22
1487	Surface-sensible and latent heat fluxes over the Tibetan Plateau from ground measurements, reanalysis, and satellite data. <b>2014</b> , 14, 5659-5677	49
1486	Simulating the integrated summertime $\text{CO}_2$ signature from anthropogenic emissions over Western Europe. <b>2014</b> , 14, 7273-7290	10
1485	Impact of quality control of satellite soil moisture data on their assimilation into land surface model. <b>2014</b> , 41, 7159-7166	33
1484	The role of horizontal model resolution in assessing the transport of CO in a middle latitude cyclone using WRF-Chem. <b>2014</b> , 14, 609-627	13
1483	Land-surface controls on afternoon precipitation diagnosed from observational data: uncertainties and confounding factors. <b>2014</b> , 14, 8343-8367	52
1482	Sensitivity of high-temperature weather to initial soil moisture: a case study using the WRF model. <b>2014</b> , 14, 9623-9639	22

1481	Contrasting Eurasian spring and summer climate anomalies associated with western and eastern Eurasian spring snow cover changes. <b>2014</b> , 119, 7410-7424	36
1480	Water Cycle and Climate Signals in Africa Observed by Satellite Gravimetry. <b>2014</b> , 17, 012149	6
1479	Seasonal dependence of the urban heat island on the street canyon aspect ratio. <b>2014</b> , 140, 2197-2210	65
1478	Improved simulation of Indian summer monsoon in latest NCEP climate forecast system free run. <b>2014</b> , 34, 1628-1641	82
1477	Anthropogenic heating of the urban environment due to air conditioning. <b>2014</b> , 119, 5949-5965	141
1476	Hydrological evaluation of the Noah-MP land surface model for the Mississippi River Basin. <b>2014</b> , 119, 23-38	105
1475	Parameter estimation of a physically based land surface hydrologic model using the ensemble Kalman filter: A synthetic experiment. <b>2014</b> , 50, 706-724	48
1474	Investigation of the predictability and physical mechanisms of an extreme-rainfall-producing mesoscale convective system along the Meiyu front in East China: An ensemble approach. <b>2015</b> , 120, 10,593-10,618	48
1473	WRF-simulated sensitivity to land surface schemes in short and medium ranges for a high-temperature event in East China: A comparative study. <b>2015</b> , 7, 1305-1325	25
1472	Fully coupled atmosphere-hydrology simulations for the central Mediterranean: Impact of enhanced hydrological parameterization for short and long time scales. <b>2015</b> , 7, 1693-1715	103
1471	A hybrid model based on latest version of NCEP CFS coupled model for Indian monsoon rainfall forecast. <b>2015</b> , 16, 10-21	5
1470	A case study of urbanization impact on summer precipitation in the Greater Beijing Metropolitan Area: Urban heat island versus aerosol effects. <b>2015</b> , 120, 10,903-10,914	64
1469	Simulating transient ice-ocean Ekman transport in the Regional Arctic System Model and Community Earth System Model. <b>2015</b> , 56, 211-228	26
1468	Incorporating an advanced aerosol activation parameterization into WRF-CAM5: Model evaluation and parameterization intercomparison. <b>2015</b> , 120, 6952-6979	17
1467	An examination of methods for estimating land surface microwave emissivity. <b>2015</b> , 120, 11,114-11,128	16
1466	Water balance-based actual evapotranspiration reconstruction from ground and satellite observations over the conterminous United States. <b>2015</b> , 51, 6485-6499	61
1465	A Comparison of Multiscale GSI-Based EnKF and 3DVar Data Assimilation Using Radar and Conventional Observations for Midlatitude Convective-Scale Precipitation Forecasts. <b>2015</b> , 143, 3087-3108	70
1464	The Dependence of QPF on the Choice of Boundary- and Surface-Layer Parameterization for a Lake-Effect Snowstorm. <b>2015</b> , 54, 1177-1190	15



1463	Diagnosis of Track Forecast Errors for Tropical Cyclone Rita (2005) Using GEFS Reforecasts. <b>2015</b> , 30, 1334-1354	6
1462	Stepwise sensitivity analysis from qualitative to quantitative: Application to the terrestrial hydrological modeling of a Conjunctive Surface-Subsurface Process (CSSP) land surface model. <b>2015</b> , 7, 648-669	24
1461	Evapotranspiration based on equilibrated relative humidity (ETRHEQ): Evaluation over the continental U.S.. <b>2015</b> , 51, 2951-2973	37
1460	Drought onset mechanisms revealed by satellite solar-induced chlorophyll fluorescence: Insights from two contrasting extreme events. <b>2015</b> , 120, 2427-2440	155
1459	An intensified seasonal transition in the Central U.S. that enhances summer drought. <b>2015</b> , 120, 8804-8816	12
1458	Decomposition of sources of errors in seasonal streamflow forecasting over the U.S. Sunbelt. <b>2015</b> , 120, 11,809	26
1457	Realistic simulations of atmospheric gravity waves over the continental U.S. using precipitation radar data. <b>2015</b> , 7, 823-835	26
1456	Under-canopy turbulence and root water uptake of a Tibetan meadow ecosystem modeled by Noah-MP. <b>2015</b> , 51, 5735-5755	20
1455	Effective soil moisture estimate and its uncertainty using multimodel simulation based on Bayesian Model Averaging. <b>2015</b> , 120, 8023-8042	21
1454	Parameter estimation of a physically-based land surface hydrologic model using an ensemble Kalman filter: A multivariate real-data experiment. <b>2015</b> , 83, 421-427	32
1453	The IITM Earth System Model: Transformation of a Seasonal Prediction Model to a Long-Term Climate Model. <b>2015</b> , 96, 1351-1367	32
1452	Development and Evaluation of an Objective Criterion for the Real-Time Prediction of Indian Summer Monsoon Onset in a Coupled Model Framework. <b>2015</b> , 28, 6234-6248	10
1451	Augmentations to the Noah Model Physics for Application to the Yellow River Source Area. Part I: Soil Water Flow. <b>2015</b> , 16, 2659-2676	41
1450	Benchmark analysis of forecasted seasonal temperature over different climatic areas. <b>2015</b> , 2,	3
1449	Long-term trend and variability of soil moisture over East Asia. <b>2015</b> , 120, 8658-8670	56
1448	A prototype physical database for passive microwave retrievals of precipitation over the US Southern Great Plains. <b>2015</b> , 120, 10,465	3
1447	Improving the representation of hydrologic processes in Earth System Models. <b>2015</b> , 51, 5929-5956	260
1446	Impact of Land-Use Change on Winter Precipitation in Hokkaido, Japan. <b>2015</b> , 11, 95-99	3

1445	WRF-Chem model predictions of the regional impacts of N <sub>2</sub> O <sub>5</sub> ; heterogeneous processes on night-time chemistry over north-western Europe. <b>2015</b> , 15, 1385-1409	26
1444	Regional-scale transport of air pollutants: impacts of Southern California emissions on Phoenix ground-level ozone concentrations. <b>2015</b> , 15, 9345-9360	11
1443	Modelling the influence of urbanization on the 20th century temperature record of weather station De Bilt (The Netherlands). <b>2015</b> , 35, 1732-1748	10
1442	Improved depiction of Indian summer monsoon in latest high resolution NCEP climate forecast system reanalysis. <b>2015</b> , 35, 3102-3119	8
1441	Noah Modelling of the Permafrost Distribution and Characteristics in the West Kunlun Area, Qinghai-Tibet Plateau, China. <b>2015</b> , 26, 160-174	23
1440	Global Maps of Streamflow Characteristics Based on Observations from Several Thousand Catchments*. <b>2015</b> , 16, 1478-1501	100
1439	Empirical Localization Functions for Ensemble Kalman Filter Data Assimilation in Regions with and without Precipitation. <b>2015</b> , 143, 3664-3679	10
1438	An estimation of the land-atmosphere coupling strength in South America using the Global Land Data Assimilation System. <b>2015</b> , 35, 4151-4166	18
1437	Methodical assessment of the differences between the QNSE and MYJ PBL schemes for stable conditions. <b>2015</b> , 141, 2077-2089	11
1436	Sensitivity of Central Oklahoma Convection Forecasts to Upstream Potential Vorticity Anomalies during Two Strongly Forced Cases during MPEX. <b>2015</b> , 143, 4064-4087	23
1435	Improved NLDAS-2 Noah-simulated hydrometeorological products with an interim run. <b>2015</b> , 29, 780-792	17
1434	Simulating high-resolution soil moisture patterns in the Shale Hills watershed using a land surface hydrologic model. <b>2015</b> , 29, 4624-4637	23
1433	Evaluation of snow cover fraction for regional climate simulations in the Sierra Nevada. <b>2015</b> , 35, 2472-2484	25
1432	Sensitivity of intensifying Atlantic hurricanes to vortex structure. <b>2015</b> , 141, 2538-2551	9
1431	Influence of antecedent soil moisture conditions on the synoptic meteorology of the Black Saturday bushfire event in southeast Australia. <b>2015</b> , 141, 3118-3129	21
1430	The Thermodynamic and Microphysical Evolution of an Intense Snowband during the Northeast U.S. Blizzard of 8-9 February 2013. <b>2015</b> , 143, 4104-4125	13
1429	Impact of revised cloud microphysical scheme in CFSv2 on the simulation of the Indian summer monsoon. <b>2015</b> , 35, 4738-4755	31
1428	Evaluating the utility of satellite soil moisture retrievals over irrigated areas and the ability of land data assimilation methods to correct for unmodeled processes. <b>2015</b> , 19, 4463-4478	97

1427	On inclusion of water resource management in Earth system models âPart 1: Problem definition and representation of water demand. <b>2015</b> , 19, 33-61	122
1426	The Role of Aerosol-Cloud-Radiation Interactions in Regional Air QualityâA NU-WRF Study over the United States. <b>2015</b> , 6, 1045-1068	11
1425	Evaluation of the 2010 MODIS Collection 5.1 Land Cover Type Product over China. <b>2015</b> , 7, 1981-2006	14
1424	Frozen Soil Detection Based on Advanced Scatterometer Observations and Air Temperature Data as Part of Soil Moisture Retrieval. <b>2015</b> , 7, 3206-3231	23
1423	Estimation of Surface Soil Moisture from Thermal Infrared Remote Sensing Using an Improved Trapezoid Method. <b>2015</b> , 7, 8250-8270	38
1422	The Impact of Local Acquisition Time on the Accuracy of Microwave Surface Soil Moisture Retrievals over the Contiguous United States. <b>2015</b> , 7, 13448-13465	34
1421	Directional analysis of the storm surge from Hurricane Sandy 2012, with applications to Charleston, New Orleans, and the Philippines. <b>2015</b> , 10, e0122113	9
1420	Simulating diurnal variations over the southeastern United States. <b>2015</b> , 120, 180-198	8
1419	A large-scale simulation model to assess karstic groundwater recharge over Europe and the Mediterranean. <b>2015</b> , 8, 1729-1746	77
1418	A Regional Land Use Drought Index for Florida. <b>2015</b> , 7, 17149-17167	14
1417	A semi-Lagrangian advection scheme for radioactive tracers in the NCEP Regional Spectral Model (RSM). <b>2015</b> , 8, 3247-3255	6
1416	Integrated modeling of aerosol, cloud, precipitation and land processes at satellite-resolved scales. <b>2015</b> , 67, 149-159	80
1415	Identifying added value in high-resolution climate simulations over Scandinavia. <b>2015</b> , 67, 24941	16
1414	Sources of discrepancies between satellite-derived and land surface model estimates of latent heat fluxes. <b>2015</b> , 120, 2325-2341	8
1413	Blending satellite-based snow depth products with in situ observations for streamflow predictions in the Upper Colorado River Basin. <b>2015</b> , 51, 1182-1202	26
1412	Appraisal of NLDAS-2 Multi-Model Simulated Soil Moistures for Hydrological Modelling. <b>2015</b> , 29, 3503-3517	26
1411	An Improvement of the Radiative Transfer Model Component of a Land Data Assimilation System and Its Validation on Different Land Characteristics. <b>2015</b> , 7, 6358-6379	11
1410	A Comparison between Simulated and Observed Surface Energy Balance at the Svalbard Archipelago. <b>2015</b> , 54, 1102-1119	12

1409	Impacts of the Decadal Urbanization on Thermally Induced Circulations in Eastern China. <b>2015</b> , 54, 259-282	20
1408	Summertime Response of Temperature and Cooling Energy Demand to Urban Expansion in a Semiarid Environment. <b>2015</b> , 54, 1756-1772	17
1407	Comparison of NLDAS-2 Simulated and NASMD Observed Daily Soil Moisture. Part I: Comparison and Analysis. <b>2015</b> , 16, 1962-1980	63
1406	Comparison of NLDAS-2 Simulated and NASMD Observed Daily Soil Moisture. Part II: Impact of Soil Texture Classification and Vegetation Type Mismatches. <b>2015</b> , 16, 1981-2000	25
1405	Characterising Brazilian biomass burning emissions using WRF-Chem with MOSAIC sectional aerosol. <b>2015</b> , 8, 549-577	42
1404	Progress and challenges in short- to medium-range coupled prediction. <b>2015</b> , 8, s239-s258	28
1403	Clouds in the Cloud: Weather Forecasts and Applications within Cloud Computing Environments. <b>2015</b> , 96, 1369-1379	16
1402	A diagnostic study of the asymmetric distribution of rainfall during the landfall of typhoon Haitang (2005). <b>2015</b> , 32, 1419-1430	8
1401	Characterization of the Simulated Regional Snow Albedo Feedback Using a Regional Climate Model over Complex Terrain. <b>2015</b> , 28, 7576-7595	28
1400	Application of Intel Many Integrated Core (MIC) accelerators to the Pleim-Xiu land surface scheme. <b>2015</b> ,	1
1399	Triple collocation: Beyond three estimates and separation of structural/non-structural errors. <b>2015</b> , 171, 299-310	24
1398	Explicitly Simulated Electrification and Lightning within a Tropical Cyclone Based on the Environment of Hurricane Isaac (2012). <b>2015</b> , 72, 4167-4193	23
1397	Quantifying regional, seasonal and interannual contributions of environmental factors on isoprene and monoterpene emissions estimates over eastern Texas. <b>2015</b> , 106, 120-128	15
1396	Using Temporal Changes in Drought Indices to Generate Probabilistic Drought Intensification Forecasts. <b>2015</b> , 16, 88-105	45
1395	Parameter sensitivity analysis and optimization of Noah land surface model with field measurements from Huaihe River Basin, China. <b>2015</b> , 29, 1383-1401	8
1394	An integrated crop and hydrologic modeling system to estimate hydrologic impacts of crop irrigation demands. <b>2015</b> , 72, 341-355	31
1393	A Semi-Empirical Model for Computing Land Surface Emissivity in the Microwave Region. <b>2015</b> , 53, 1935-1946	7
1392	Enhancing Model Skill by Assimilating SMOPS Blended Soil Moisture Product into Noah Land Surface Model. <b>2015</b> , 16, 917-931	33

1391	Calibration and evaluation of a flood forecasting system: Utility of numerical weather prediction model, data assimilation and satellite-based rainfall. <b>2015</b> , 523, 49-66	130
1390	Sequential estimation of surface water mass changes from daily satellite gravimetry data. <b>2015</b> , 89, 259-282	10
1389	Terrestrial water storage anomalies of Yangtze River Basin droughts observed by GRACE and connections with ENSO. <b>2015</b> , 126, 35-45	108
1388	Evaluation of the CFSv2 CMIP5 decadal predictions. <b>2015</b> , 44, 543-557	8
1387	Climate drift of AMOC, North Atlantic salinity and arctic sea ice in CFSv2 decadal predictions. <b>2015</b> , 44, 559-583	31
1386	Impacts of land-atmosphere coupling on regional rainfall and convection. <b>2015</b> , 44, 2383-2409	14
1385	The impact of revised simplified Arakawa-Schubert convection parameterization scheme in CFSv2 on the simulation of the Indian summer monsoon. <b>2015</b> , 45, 881-902	25
1384	Clear-sky stable boundary layers with low winds over snow-covered surfaces. Part 1: WRF model evaluation. <b>2015</b> , 141, 2165-2184	23
1383	Ingestion of Simulated SMAP L3 Soil Moisture Data into Military Maneuver Planning. <b>2015</b> , 16, 427-440	4
1382	Surface Water and Energy Budgets for the Mississippi River Basin in Three NCEP Reanalyses. <b>2015</b> , 16, 857-873	7
1381	On the Use of a Water Balance to Evaluate Interannual Terrestrial ET Variability. <b>2015</b> , 16, 1102-1108	18
1380	Characteristic and Role of Groundwater in the Critical Zone. <b>2015</b> , 19, 295-318	0
1379	FOREST ECOLOGY. Pervasive drought legacies in forest ecosystems and their implications for carbon cycle models. <b>2015</b> , 349, 528-32	555
1378	Reforestation and crop land conversion impacts on future regional air quality in the Southeastern U.S.. <b>2015</b> , 209-210, 78-86	4
1377	Global Land Data Assimilation System data assessment using a distributed biosphere hydrological model. <b>2015</b> , 528, 652-667	28
1376	Deriving scaling factors using a global hydrological model to restore GRACE total water storage changes for China's Yangtze River Basin. <b>2015</b> , 168, 177-193	147
1375	The Attribution of Land-Atmosphere Interactions on the Seasonal Predictability of Drought. <b>2015</b> , 16, 793-810	15
1374	The Observed State of the Water Cycle in the Early Twenty-First Century. <b>2015</b> , 28, 8289-8318	162

1373	A Source of AGCM Bias in Simulating the Western Pacific Subtropical High: Different Sensitivities to the Two Types of ENSO. <b>2015</b> , 143, 2348-2362	11
1372	Preceding Factors of Summer Asian-Pacific Oscillation and the Physical Mechanism for Their Potential Influences. <b>2015</b> , 28, 2531-2543	15
1371	Effects of Hydrologic Model Choice and Calibration on the Portrayal of Climate Change Impacts. <b>2015</b> , 16, 762-780	61
1370	A Vertically Flow-Following Icosahedral Grid Model for Medium-Range and Seasonal Prediction. Part I: Model Description. <b>2015</b> , 143, 2386-2403	17
1369	The Diurnal Cycle of Precipitation in Regional Spectral Model Simulations over West Africa: Sensitivities to Resolution and Cumulus Schemes. <b>2015</b> , 30, 424-445	18
1368	A Review of Planetary Boundary Layer Parameterization Schemes and Their Sensitivity in Simulating Southeastern U.S. Cold Season Severe Weather Environments. <b>2015</b> , 30, 591-612	153
1367	Mesovortices within the 8 May 2009 Bow Echo over the Central United States: Analyses of the Characteristics and Evolution Based on Doppler Radar Observations and a High-Resolution Model Simulation. <b>2015</b> , 143, 2266-2290	21
1366	A multi-model assessment for the 2006 and 2010 simulations under the Air Quality Model Evaluation International Initiative (AQMEII) phase 2 over North America: Part I. Indicators of the sensitivity of O <sub>3</sub> and PM <sub>2.5</sub> formation regimes. <b>2015</b> , 115, 569-586	33
1365	The Observed State of the Energy Budget in the Early Twenty-First Century. <b>2015</b> , 28, 8319-8346	125
1364	. <b>2015</b> , 53, 5269-5279	3
1363	Feedbacks between air pollution and weather, Part 1: Effects on weather. <b>2015</b> , 115, 442-469	83
1362	The Genesis of Mesovortices within a Real-Data Simulation of a Bow Echo System. <b>2015</b> , 72, 1963-1986	31
1361	Simultaneous Radar and Satellite Data Storm-Scale Assimilation Using an Ensemble Kalman Filter Approach for 24 May 2011. <b>2015</b> , 143, 165-194	40
1360	A Note on Soil Moisture Memory and Interactions with Surface Climate for Different Vegetation Types in the La Plata Basin. <b>2015</b> , 16, 716-729	12
1359	The Plumbing of Land Surface Models: Benchmarking Model Performance. <b>2015</b> , 16, 1425-1442	150
1358	Direct Radiative Effect by Multicomponent Aerosol over China*. <b>2015</b> , 28, 3472-3495	54
1357	Constraining Supersaturation and Transport Processes in a South American Cold-Air Outbreak Using Stable Isotopologues of Water Vapor. <b>2015</b> , 72, 2055-2069	9
1356	Role of upper ocean processes in the seasonal SST evolution over tropical Indian Ocean in climate forecasting system. <b>2015</b> , 45, 2387-2405	16

1355	Projected change in East Asian summer monsoon by dynamic downscaling: Moisture budget analysis. <b>2015</b> , 51, 77-89	6
1354	Diagnosing Neglected Soil Moisture Source-Sink Processes via a Thermal Infrared-Based Two-Source Energy Balance Model. <b>2015</b> , 16, 1070-1086	48
1353	How well do terrestrial biosphere models simulate coarse-scale runoff in the contiguous United States?. <b>2015</b> , 303, 87-96	4
1352	Multi-model and multi-sensor estimations of evapotranspiration over the Volta Basin, West Africa. <b>2015</b> , 35, 3132-3145	38
1351	Data Length Requirements for Observational Estimates of Land-Atmosphere Coupling Strength. <b>2015</b> , 16, 1615-1635	22
1350	Impact of Storm-Scale Lightning Data Assimilation on WRF-ARW Precipitation Forecasts during the 2013 Warm Season over the Contiguous United States. <b>2015</b> , 143, 757-777	40
1349	An NARR-Derived Climatology of Southerly and Northerly Low-Level Jets over North America and Coastal Environs. <b>2015</b> , 54, 1596-1619	31
1348	Creating consistent datasets by combining remotely-sensed data and land surface model estimates through Bayesian uncertainty post-processing: The case of Land Surface Temperature from HIRS. <b>2015</b> , 170, 290-305	23
1347	The role of vegetation-microclimate feedback in promoting shrub encroachment in the northern Chihuahuan desert. <b>2015</b> , 21, 2141-54	25
1346	Performance evaluation of WRF-Noah Land surface model estimated soil moisture for hydrological application: Synergistic evaluation using SMOS retrieved soil moisture. <b>2015</b> , 529, 200-212	40
1345	Global hydrology 2015: State, trends, and directions. <b>2015</b> , 51, 4923-4947	198
1344	The relationship between spring soil moisture and summer hot extremes over North China. <b>2015</b> , 32, 1660-1668	18
1343	Numerical simulation and analysis of the Yangtze River Delta Rainstorm on 8 October 2013 caused by binary typhoons. <b>2015</b> , 166, 33-48	10
1342	Efficient Parallel GPU Design on WRF Five-Layer Thermal Diffusion Scheme. <b>2015</b> , 8, 2249-2259	4
1341	Quantifying the Added Value of Snow Cover Area Observations in Passive Microwave Snow Depth Data Assimilation. <b>2015</b> , 16, 1736-1741	36
1340	Climate change and water storage variability over an arid endorheic region. <b>2015</b> , 529, 330-339	62
1339	Quantifying the Land-Atmosphere Coupling Behavior in Modern Reanalysis Products over the U.S. Southern Great Plains. <b>2015</b> , 28, 5813-5829	33
1338	Global distribution of mineral dust and its impact on radiative fluxes as simulated by WRF-Chem. <b>2015</b> , 127, 635-648	17



1337	Hybrid glacier Inventory, Gravimetry and Altimetry (HIGA) mass balance product for Greenland and the Canadian Arctic. <b>2015</b> , 168, 24-39	13
1336	Seasonal sea surface temperature anomaly prediction for coastal ecosystems. <b>2015</b> , 137, 219-236	55
1335	Simulation of the Indian Summer Monsoon in the Superparameterized Climate Forecast System Version 2: Preliminary Results. <b>2015</b> , 28, 8988-9012	30
1334	Use of GRACE time-variable data and GLDAS-LSM for estimating groundwater storage variability at small basin scales: a case study of the Nzoia River Basin. <b>2015</b> , 36, 5707-5736	18
1333	. <b>2015</b> , 8, 638-648	36
1332	Evaluation of NLDAS-2 evapotranspiration against tower flux site observations. <b>2015</b> , 29, 1757-1771	39
1331	Reconstruction of a complete global time series of daily vegetation index trajectory from long-term AVHRR data. <b>2015</b> , 156, 457-472	105
1330	Requirements Analysis for Future Satellite Gravity Mission Improved-GRACE. <b>2015</b> , 36, 87-109	19
1329	North Indian heavy rainfall event during June 2013: diagnostics and extended range prediction. <b>2015</b> , 44, 2049-2065	65
1328	Effect of irrigation in simulating long-term evapotranspiration climatology in a human-dominated river basin system. <b>2015</b> , 200, 109-118	33
1327	Sensitivity of WRF to driving data and physics options on a seasonal time-scale for the southwest of Western Australia. <b>2015</b> , 44, 633-659	41
1326	The Impacts of Satellite Remotely Sensed Winds and Total Precipitable Vapour in WRF Tropical Cyclone Track Forecasts. <b>2016</b> , 2016, 1-15	
1325	A Comparative Study on SMOS and NLDAS-2 Soil Moistures Over a Hydrological BasinâWith Continental Climate. <b>2016</b> , 289-308	1
1324	Sensitivity of the Amazon biome to high resolution climate change projections. <b>2016</b> , 46, 175-188	15
1323	Machine learning methods for empirical streamflow simulation: a comparison of model accuracy, interpretability, and uncertainty in seasonal watersheds. <b>2016</b> , 20, 2611-2628	118
1322	Variations in water storage in China over recent decades from GRACE observations and GLDAS. <b>2016</b> , 16, 469-482	45
1321	3-D water vapor field in the atmospheric boundary layer observed with scanning differential absorption lidar. <b>2016</b> , 9, 1701-1720	31
1320	The oceanic influence on the rainy season of Peninsular Florida. <b>2016</b> , 121, 7691-7709	11

1319	Physiologically grounded metrics of model skill: a case study estimating heat stress in intertidal populations. <b>2016</b> , 4, cow038	12
1318	The improvement of soil thermodynamics and its effects on land surface meteorology in the IPSL climate model. <b>2016</b> , 9, 363-381	22
1317	Historical Dynamical Downscaling for East Asia with the Atmosphere and Ocean Coupled Regional Model. <b>2016</b> , 94A, 199-208	9
1316	Development of Dynamic Ground Water Data Assimilation for Quantifying Soil Hydraulic Properties from Remotely Sensed Soil Moisture. <b>2016</b> , 8, 311	2
1315	Decadal evaluation of regional climate, air quality, and their interactions over the continental US and their interactions using WRF/Chem version 3.6.1. <b>2016</b> , 9, 671-695	18
1314	A Characterization of Greenland Ice Sheet Surface Melt and Runoff in Contemporary Reanalyses and a Regional Climate Model. <b>2016</b> , 4,	18
1313	Sub-Seasonal Prediction of the Maritime Continent Rainfall of Wet-Dry Transitional Seasons in the NCEP Climate Forecast Version 2. <b>2016</b> , 7, 28	6
1312	A Long-Term Wind Speed Ensemble Forecasting System with Weather Adapted Correction. <b>2016</b> , 9, 894	8
1311	Comparing One-Way and Two-Way Coupled Hydrometeorological Forecasting Systems for Flood Forecasting in the Mediterranean Region. <b>2016</b> , 3, 19	43
1310	Enhancing Noah Land Surface Model Prediction Skill over Indian Subcontinent by Assimilating SMOPS Blended Soil Moisture. <b>2016</b> , 8, 976	24
1309	Evaluation of global fine-resolution precipitation products and their uncertainty quantification in ensemble discharge simulations. <b>2016</b> , 20, 903-920	60
1308	Extremes in June rainfall during the Indian summer monsoons of 2013 and 2014: observational analysis and extended-range prediction. <b>2016</b> , 142, 1276-1289	9
1307	How do green roofs mitigate urban thermal stress under heat waves?. <b>2016</b> , 121, 5320-5335	41
1306	Clear-sky stable boundary layers with low winds over snow-covered surfaces. Part 2: Process sensitivity. <b>2016</b> , 142, 821-835	8
1305	The impact of the QNSE-EDMF scheme and its modifications on boundary layer parameterization in WRF: modelling of CASES-97. <b>2016</b> , 142, 1182-1195	4
1304	Atmospheric Stability Influences on Coupled Boundary Layer and Canopy Turbulence. <b>2016</b> , 73, 1621-1647	85
1303	Land-Atmosphere Coupling at the Southern Great Plains Atmospheric Radiation Measurement (ARM) Field Site and Its Role in Anomalous Afternoon Peak Precipitation. <b>2016</b> , 17, 541-556	20
1302	Community Global Observing System Simulation Experiment (OSSE) Package (CGOP): Description and Usage. <b>2016</b> , 33, 1759-1777	19

1301	HydroBlocks: a field-scale resolving land surface model for application over continental extents. <b>2016</b> , 30, 3543-3559	49
1300	CloudsâSST relationship and interannual variability modes of Indian summer monsoon in the context of clouds and SSTs: observational and modelling aspects. <b>2016</b> , 36, 4723-4740	8
1299	How do hydrologic modeling decisions affect the portrayal of climate change impacts?. <b>2016</b> , 30, 1071-1095	38
1298	Understanding the variability of water isotopologues in near-surface atmospheric moisture over a humid subtropical rice paddy in Tsukuba, Japan. <b>2016</b> , 533, 91-102	26
1297	Evaluation of Atmosphere and Ocean Initial Condition Uncertainty and Stochastic Exchange Coefficients on Ensemble Tropical Cyclone Intensity Forecasts. <b>2016</b> , 144, 3487-3506	20
1296	Basin-scale assessment of the land surface water budget in the National Centers for Environmental Prediction operational and research NLDAS-2 systems. <b>2016</b> , 121, 2750-2779	30
1295	Indian summer monsoon rainfall simulation and prediction skill in the CFSv2 coupled model: Impact of atmospheric horizontal resolution. <b>2016</b> , 121, 2205-2221	73
1294	High-resolution modeling of human and climate impacts on global water resources. <b>2016</b> , 8, 735-763	87
1293	Assessing uncertainties in the Noah-MP ensemble simulations of a cropland site during the Tibet Joint International Cooperation program field campaign. <b>2016</b> , 121, 9576-9596	41
1292	On the correlation of water vapor and CO <sub>2</sub> : Application to flux partitioning of evapotranspiration. <b>2016</b> , 52, 9452-9469	14
1291	The sensitivity of southeastern United States climate to varying irrigation vigor. <b>2016</b> , 121, 7606-7621	5
1290	Lake and Orographic Effects on a Snowstorm at Lake Constance. <b>2016</b> , 144, 4687-4707	6
1289	Studying soil moisture at a national level through statistical analysis of NASA NLDAS data. <b>2016</b> , 18, 277-287	6
1288	Sensitivity of Numerical Weather Forecasts to Initial Soil Moisture Variations in CFSv2. <b>2016</b> , 31, 1973-1983	35
1287	Viability of Cloud Computing for Real-Time Numerical Weather Prediction. <b>2016</b> , 31, 1985-1996	10
1286	An evaluation of dynamical downscaling of Central Plains summer precipitation using a WRF-based regional climate model at a convection-permitting 4 km resolution. <b>2016</b> , 121, 13,801-13,825	29
1285	Noah-MP-Crop: Introducing dynamic crop growth in the Noah-MP land surface model. <b>2016</b> , 121, 13,953-13,972	36
1284	Investigation of factors affecting intra-annual variability of evapotranspiration and streamflow under different climate conditions. <b>2016</b> , 543, 759-769	38

1283	Comparison of land-atmosphere interaction in the southern La Plata Basin using satellite products and climate models. <b>2016,</b>	
1282	Impacts of Noah model physics on catchment-scale runoff simulations. <b>2016,</b> 121, 807-832	19
1281	Importance of Model Resolution on Discriminating Rapidly and Non-rapidly Intensifying Atlantic Basin Tropical Cyclones. <b>2016,</b> 95, 223-228	1
1280	SAR observation and WRF model simulation of land breeze in Hainan Island, China. <b>2016,</b>	
1279	Impact of physics parameterizations on high-resolution weather prediction over two Chinese megacities. <b>2016,</b> 121, 4487-4498	40
1278	The impact of revised simplified Arakawa-Schubert scheme on the simulation of mean and diurnal variability associated with active and break phases of Indian summer monsoon using CFSv2. <b>2016,</b> 121, 9301-9323	21
1277	Depiction of drought over sub-Saharan Africa using reanalyses precipitation data sets. <b>2016,</b> 121, 10,555	35
1276	Prediction skill and predictability of Eurasian snow cover fraction in the NCEP Climate Forecast System version 2 reforecasts. <b>2016,</b> 36, 4071-4084	10
1275	Impact of upper ocean processes and air-sea fluxes on seasonal SST biases over the tropical Indian Ocean in the NCEP Climate Forecasting System. <b>2016,</b> 36, 188-207	15
1274	Influence of upper ocean on Indian summer monsoon rainfall: studies by observation and NCEP climate forecast system (CFSv2). <b>2016,</b> 125, 413-426	7
1273	Changes in future air quality, deposition, and aerosol-cloud interactions under future climate and emission scenarios. <b>2016,</b> 139, 176-191	8
1272	Impacts of inland water area changes on the local climate of Wuhan, China. <b>2016,</b> 25, 296-313	9
1271	Is China's fifth-largest inland lake to dry-up? Incorporated hydrological and satellite-based methods for forecasting Hulun lake water levels. <b>2016,</b> 94, 185-199	23
1270	Sensitivity of a Cumulus Parameterization Scheme to Precipitation Production Representation and Its Impact on a Heavy Rain Event over Korea. <b>2016,</b> 144, 2125-2135	37
1269	Use of Regional Climate Models for Proxy Data over Transboundary Regions. <b>2016,</b> 21, 05016010	6
1268	Seasonal prediction of Indian summer monsoon rainfall in NCEP CFSv2: forecast and predictability error. <b>2016,</b> 46, 2305-2326	33
1267	Two-Meter Temperature and Precipitation from Atmospheric Reanalysis Evaluated for Alaska. <b>2016,</b> 55, 901-922	42
1266	Empirical evidence of contrasting soil moisture-precipitation feedbacks across the United States. <b>2016,</b> 352, 825-8	114

1265	Precipitation Deficit Flash Droughts over the United States. <b>2016</b> , 17, 1169-1184	77
1264	Precipitation in the EURO-CORDEX (0.11 <sup>°</sup> ) and (0.44 <sup>°</sup> ) simulations: high resolution, high benefits?. <b>2016</b> , 46, 383-412	169
1263	Assessing Impacts of PBL and Surface Layer Schemes in Simulating the Surface–Atmosphere Interactions and Precipitation over the Tropical Ocean Using Observations from AMIE/DYNAMO. <b>2016</b> , 29, 8191-8210	14
1262	Changes in the Global Terrestrial Water Cycle. <b>2016</b> , 39-54	1
1261	The sensitivity of the regional coupled ocean-atmosphere simulations over the Intra-Americas seas to the prescribed bathymetry. <b>2016</b> , 76, 29-51	6
1260	The impact of standard and hard-coded parameters on the hydrologic fluxes in the Noah-MP land surface model. <b>2016</b> , 121, 10,676-10,700	64
1259	Basin-scale assessment of the land surface energy budget in the National Centers for Environmental Prediction operational and research NLDAS-2 systems. <b>2016</b> , 121, 196-220	14
1258	Effects of different regional climate model resolution and forcing scales on projected hydrologic changes. <b>2016</b> , 541, 1003-1019	25
1257	Investigation of an extreme Koshava wind episode of 30 January–2 February 2014. <b>2016</b> , 17, 199-206	7
1256	The relationships between temperature gradient and wind during cold frontal passages in the eastern United States: a numerical modeling study. <b>2016</b> , 17, 339-345	0
1255	The Physics of Drought in the U.S. Central Great Plains. <b>2016</b> , 29, 6783-6804	60
1254	Updated global soil map for the Weather Research and Forecasting model and soil moisture initialization for the Noah land surface model. <b>2016</b> , 121, 8777-8800	17
1253	Assimilation of SMOS Retrievals in the Land Information System. <b>2016</b> , 54, 6320-6332	21
1252	Interaction of an Upper-Tropospheric Jet with a Squall Line Originating along a Cold Frontal Boundary. <b>2016</b> , 144, 4197-4219	
1251	Potential predictability of Indian summer monsoon rainfall in NCEP CFSv2. <b>2016</b> , 8, 96-120	37
1250	Improving Budyko curve-based estimates of long-term water partitioning using hydrologic signatures from GRACE. <b>2016</b> , 52, 5537-5554	18
1249	Implementation in the NCEP GFS of a Hybrid Eddy-Diffusivity Mass-Flux (EDMF) Boundary Layer Parameterization with Dissipative Heating and Modified Stable Boundary Layer Mixing. <b>2016</b> , 31, 341-352	51
1248	Sensitivity of Simulated Sea Breezes to Initial Conditions in Complex Coastal Regions. <b>2016</b> , 144, 1299-1320	13

1247	Comparisons of Modeled and Observed Reflectivities and Fall Speeds for Snowfall of Varied Riming Degrees during Winter Storms on Long Island, New York. <b>2016</b> , 144, 4327-4347	11
1246	The Role of Land Surface Processes on Tropical Cyclones: Introduction to Land Surface Models. <b>2016</b> , 221-246	3
1245	The Role of Land Surface Processes on Extreme Weather Events: Land Data Assimilation System. <b>2016</b> , 247-266	2
1244	Coupled Evaluation of Below- and Aboveground Energy and Water Cycle Variables from Reanalysis Products over Five Flux Tower Sites in the United States. <b>2016</b> , 17, 2105-2119	4
1243	Comparison of Simulated Precipitation over East Asia in Two Regional Models with Hydrostatic and Nonhydrostatic Dynamical Cores. <b>2016</b> , 144, 3579-3590	5
1242	Design Strategies of an Hourly Update 3DVAR Data Assimilation System for Improved Convective Forecasting. <b>2016</b> , 31, 1673-1695	24
1241	An evaluation of high-resolution regional climate model simulations of snow cover and albedo over the Rocky Mountains, with implications for the simulated snow-albedo feedback. <b>2016</b> , 121, 9069-9088	39
1240	Process-based characterization of evapotranspiration sources over the North American monsoon region. <b>2016</b> , 52, 358-384	39
1239	Loss of a lake system in a megacity: The impact of urban expansion on seasonal meteorology in Mexico City. <b>2016</b> , 121, 3079-3099	30
1238	Sensitivity of simulated chemical concentrations and aerosol-meteorology interactions to aerosol treatments and biogenic organic emissions in WRF/Chem. <b>2016</b> , 121, 6014-6048	10
1237	An interoperable wireless sensor network platform for spatio-temporal soil moisture and soil temperature estimation. <b>2016</b> ,	5
1236	Offshore Wind Energy Analysis of Cyclone Xaver over North Europe. <b>2016</b> , 94, 37-44	13
1235	Spatial downscaling of SMAP passive microwave radiometer soil moisture using vegetation index and surface temperature. <b>2016</b> ,	3
1234	Calibration of Noah Soil Hydraulic Property Parameters Using Surface Soil Moisture from SMOS and Basinwide In Situ Observations. <b>2016</b> , 17, 2275-2292	15
1233	Spatial validation of large-scale land surface models against monthly land surface temperature patterns using innovative performance metrics. <b>2016</b> , 121, 5430-5452	35
1232	Deriving global parameter estimates for the Noah land surface model using FLUXNET and machine learning. <b>2016</b> , 121, 13,218	25
1231	Satellite-enhanced dynamical downscaling for the analysis of extreme events. <b>2016</b> , 121, 10,617-10,636	3
1230	Forecasting Hail Using a One-Dimensional Hail Growth Model within WRF. <b>2016</b> , 144, 4919-4939	40

1229	Remote detection of water management impacts on evapotranspiration in the Colorado River Basin. <b>2016</b> , 43, 5089-5097	27
1228	The heated condensation framework as a convective trigger in the NCEP Climate Forecast System version 2. <b>2016</b> , 8, 1310-1329	18
1227	Assessing GFDL high-resolution climate model water and energy budgets from AMIP simulations over Africa. <b>2016</b> , 121, 8444-8459	4
1226	Effects of aerosol-radiation interaction on precipitation during biomass-burning season in East China. <b>2016</b> , 16, 10063-10082	80
1225	Impact of an improved WRF urban canopy model on diurnal air temperature simulation over northern Taiwan. <b>2016</b> , 16, 1809-1822	25
1224	Comprehensive modelling study on observed new particle formation at the SORPES station in Nanjing, China. <b>2016</b> , 16, 2477-2492	35
1223	The incorporation of an organic soil layer in the Noah-MP land surface model and its evaluation over a boreal aspen forest. <b>2016</b> , 16, 8375-8387	17
1222	Assessing Future Climate Changes in the East Asian Summer and Winter Monsoon Using Regional Spectral Model. <b>2016</b> , 94A, 69-87	11
1221	Is land surface processes representation a possible weak link in current Regional Climate Models?. <b>2016</b> , 11, 074027	30
1220	Simulation of stratospheric ozone in global forecast model using linear photochemistry parameterization. <b>2016</b> , 52, 479-494	2
1219	Decrease in winter respiration explains 25% of the annual northern forest carbon sink enhancement over the last 30 years. <b>2016</b> , 25, 586-595	14
1218	Summer U.S. Surface Air Temperature Variability: Controlling Factors and AMIP Simulation Biases. <b>2016</b> , 29, 5123-5139	23
1217	Mechanisms Influencing Cirrus Banding and Aviation Turbulence near a Convectively Enhanced Upper-Level Jet Stream. <b>2016</b> , 144, 3003-3027	16
1216	The POWER Experiment: Impact of Assimilation of a Network of Coastal Wind Profiling Radars on Simulating Offshore Winds in and above the Wind Turbine Layer. <b>2016</b> , 31, 1071-1091	7
1215	Tropical Indian Ocean response to the decay phase of El Niño in a coupled model and associated changes in south and east-Asian summer monsoon circulation and rainfall. <b>2016</b> , 47, 831-844	15
1214	Monitoring groundwater changes in the Yangtze River basin using satellite and model data. <b>2016</b> , 9, 1	12
1213	Downslope Windstorms of San Diego County. Part I: A Case Study. <b>2016</b> , 144, 529-552	42
1212	A Revised Prognostic Cloud Fraction Scheme in a Global Forecasting System. <b>2016</b> , 144, 1219-1229	23



1211	Tropical Indian Ocean surface salinity bias in Climate Forecasting System coupled models and the role of upper ocean processes. <b>2016</b> , 46, 2403-2422	13
1210	Citywide Impacts of Cool Roof and Rooftop Solar Photovoltaic Deployment on Near-Surface Air Temperature and Cooling Energy Demand. <b>2016</b> , 161, 203-221	56
1209	Improving winter leaf area index estimation in coniferous forests and its significance in estimating the land surface albedo. <b>2016</b> , 119, 32-48	12
1208	Water storage changes and balances in Africa observed by GRACE and hydrologic models. <b>2016</b> , 7, 39-49	32
1207	Sensitivity of tropical cyclone characteristics to the radial distribution of sea surface temperature. <b>2016</b> , 125, 691-708	4
1206	Impact of Model Relative Accuracy in Framework of Rescaling Observations in Hydrological Data Assimilation Studies. <b>2016</b> , 17, 2245-2257	8
1205	Scale Dependence of Land-Atmosphere Interactions in Wet and Dry Regions as Simulated with NU-WRF over the Southwestern and South-Central United States. <b>2016</b> , 17, 2121-2136	7
1204	Role of land state in a high resolution mesoscale model for simulating the Uttarakhand heavy rainfall event over India. <b>2016</b> , 125, 475-498	17
1203	Large-scale teleconnection patterns of Indian summer monsoon as revealed by CFSv2 retrospective seasonal forecast runs. <b>2016</b> , 36, 3297-3313	34
1202	Evaluation of NU-WRF rainfall forecasts for IFloodS. <b>2016</b> , 17, 1317-1335	9
1201	The Effect of the Physical Parameterizations and the Land Surface on Rainfall in Poland. <b>2016</b> , 31, 1247-1270	1
1200	Air pollutant emissions from Chinese households: A major and underappreciated ambient pollution source. <b>2016</b> , 113, 7756-61	292
1199	Investigation of PBL schemes combining the WRF model simulations with scanning water vapor differential absorption lidar measurements. <b>2016</b> , 121, 624-649	46
1198	Evaluation of cloud properties in the NCEP CFSv2 model and its linkage with Indian summer monsoon. <b>2016</b> , 124, 31-41	11
1197	Application of Weather Research and Forecasting Model with Chemistry (WRF/Chem) over northern China: Sensitivity study, comparative evaluation, and policy implications. <b>2016</b> , 124, 337-350	44
1196	Does the modification in "critical relative humidity" of NCEP CFSv2 dictate Indian mean summer monsoon forecast? Evaluation through thermodynamical and dynamical aspects. <b>2016</b> , 46, 1197-1222	20
1195	Validation of the global land data assimilation system based on measurements of soil temperature profiles. <b>2016</b> , 218-219, 288-297	17
1194	Calibration to improve forward model simulation of microwave emissivity at GPM frequencies over the U.S. Southern Great Plains. <b>2016</b> , 54, 1103-1117	6

1193	Verification of the isotopic composition of precipitation simulated by a regional isotope circulation model over Japan. <b>2016</b> , 52, 329-42	5
1192	Evaporation variability of Nam Co Lake in the Tibetan Plateau and its role in recent rapid lake expansion. <b>2016</b> , 537, 27-35	70
1191	Impact of a Stochastic Kinetic Energy Backscatter Scheme on Warm Season Convection-Allowing Ensemble Forecasts. <b>2016</b> , 144, 1887-1908	12
1190	A Comparison of 36-h Precipitation Forecasts from Convection-Allowing and Convection-Parameterizing Ensembles. <b>2016</b> , 31, 647-661	17
1189	Investigation of the Effects of Anthropogenic Pollution on Typhoon Precipitation and Microphysical Processes Using WRF-Chem. <b>2016</b> , 73, 1593-1610	20
1188	Confronting weather and climate models with observational data from soil moisture networks over the United States. <b>2016</b> , 17, 1049-1067	60
1187	Rainfall-Type Categorization of Radar Echoes Using Polar Coordinate Reflectivity Data. <b>2016</b> , 33, 523-538	29
1186	Examining the influence of meteorological simulations forced by different initial and boundary conditions in volcanic ash dispersion modelling. <b>2016</b> , 176-177, 29-42	12
1185	Role of RunoffâInfiltration Partitioning and Resolved Overland Flow on LandâAtmosphere Feedbacks: A Case Study with the WRF-Hydro Coupled Modeling System for West Africa. <b>2016</b> , 17, 1489-1516	63
1184	Effects of Land Surface Schemes on WRF-Simulated Geopotential Heights over China in Summer 2003*. <b>2016</b> , 17, 829-851	10
1183	An assessment of precipitation and surface air temperature over China by regional climate models. <b>2016</b> , 10, 644-661	2
1182	Impacts of thermal circulations induced by urbanization on ozone formation in the Pearl River Delta region, China. <b>2016</b> , 127, 382-392	45
1181	Assessing the evolution of soil moisture and vegetation conditions during the 2012 United States flash drought. <b>2016</b> , 218-219, 230-242	153
1180	Characterization of spatial relationships between three remotely sensed indirect indicators of biodiversity and climate: a 21years' data series review across the Canadian boreal forest. <b>2016</b> , 9, 676-696	11
1179	Improving Noah land surface model performance using near real time surface albedo and green vegetation fraction. <b>2016</b> , 218-219, 171-183	41
1178	Impact of Soil Moisture Assimilation on Land Surface Model Spinup and Coupled LandâAtmosphere Prediction. <b>2016</b> , 17, 517-540	31
1177	Intercomparison of statistical and dynamical downscaling models under the EURO- and MED-CORDEX initiative framework: present climate evaluations. <b>2016</b> , 46, 1301-1329	74
1176	An inter-comparison of soil moisture data products from satellite remote sensing and a land surface model. <b>2016</b> , 48, 37-50	49

1175	Improving the Consistency of Multitemporal Land Cover Maps Using a Hidden Markov Model. <b>2016</b> , 54, 703-713	43
1174	Comparison of nonhydrostatic and hydrostatic dynamical cores in two regional models using the spectral and finite difference methods: dry atmosphere simulation. <b>2016</b> , 128, 229-245	3
1173	Extreme Water Deficit in Brazil Detected from Space. <b>2016</b> , 17, 591-599	80
1172	Monsoon-extratropical circulation interactions in Himalayan extreme rainfall. <b>2016</b> , 46, 3517-3546	72
1171	Analysis of systematic differences from GPS-measured and GRACE-modeled deformation in Central Valley, California. <b>2016</b> , 57, 19-29	18
1170	Spatial Downscaling of Satellite Soil Moisture Data Using a Vegetation Temperature Condition Index. <b>2016</b> , 54, 558-566	96
1169	Indian summer monsoon simulations with CFSv2: a microphysics perspective. <b>2016</b> , 125, 253-269	12
1168	Application of WRF/Chem over East Asia: Part I. Model evaluation and intercomparison with MM5/CMAQ. <b>2016</b> , 124, 285-300	54
1167	Impact of moisture flux convergence and soil moisture on precipitation: a case study for the southern United States with implications for the globe. <b>2016</b> , 46, 467-481	64
1166	The impact of an extreme case of irrigation on the southeastern United States climate. <b>2017</b> , 48, 1309-1327	2
1165	Impacts of uncertainties in European gridded precipitation observations on regional climate analysis. <b>2017</b> , 37, 305-327	137
1164	Assessment of the ARW-WRF model over complex terrain: the case of the Stellenbosch Wine of Origin district of South Africa. <b>2017</b> , 129, 1407-1427	4
1163	Heat wave over India during summer 2015: an assessment of real time extended range forecast. <b>2017</b> , 129, 375-393	25
1162	A Tiling Approach to Represent Subgrid Snow Variability in Coupled Land Surface-Atmosphere Models. <b>2017</b> , 18, 49-63	17
1161	A Mass-Flux Cumulus Parameterization Scheme across Gray-Zone Resolutions. <b>2017</b> , 145, 583-598	54
1160	Simulated and Observed Surface Energy Fluxes and Resulting Playa Breezes during the MATERHORN Field Campaigns. <b>2017</b> , 56, 915-935	10
1159	Comparing potential recharge estimates from three Land Surface Models across the Western US. <b>2017</b> , 545, 410-423	14
1158	Stratified drought analysis using a stochastic ensemble of simulated and in-situ soil moisture observations. <b>2017</b> , 545, 226-250	30

1157	The Purdue Agro-climatic (PAC) dataset for the U.S. Corn Belt: Development and initial results. <b>2017</b> , 15, 61-72	7
1156	Intercomparison of Soil Moisture, Evaporative Stress, and Vegetation Indices for Estimating Corn and Soybean Yields Over the U.S.. <b>2017</b> , 10, 1328-1343	43
1155	Prediction of seasonal summer monsoon rainfall over homogenous regions of India using dynamical prediction system. <b>2017</b> , 546, 103-112	22
1154	The role of low-level terrain-induced jets in rainfall variability in Tigris-Euphrates Headwaters. <b>2017</b> , 18, 819-835	8
1153	An agricultural biomass burning episode in eastern China: Transport, optical properties, and impacts on regional air quality. <b>2017</b> , 122, 2304-2324	26
1152	Uncertainties of soil moisture in historical simulations and future projections. <b>2017</b> , 122, 2239-2253	24
1151	Understanding watershed hydrogeochemistry: 1. Development of RT-Flux-PIHM. <b>2017</b> , 53, 2328-2345	44
1150	Multi-scale urban system modeling for sustainable planning and design. <b>2017</b> , 157, 78-91	13
1149	Long-term and seasonal Caspian Sea level change from satellite gravity and altimeter measurements. <b>2017</b> , 122, 2274	40
1148	Sensitivity of Convection-Allowing Forecasts to Land Surface Model Perturbations and Implications for Ensemble Design. <b>2017</b> , 145, 2001-2025	12
1147	High-Resolution Dynamical Downscaling of Seasonal Precipitation Forecasts for the Hanjiang Basin in China Using the Weather Research and Forecasting Model. <b>2017</b> , 56, 1515-1536	6
1146	Effects of multilayer snow scheme on the simulation of snow: Offline Noah and coupled with NCEP CFSv2. <b>2017</b> , 9, 271-290	16
1145	Does temperature nudging overwhelm aerosol radiative effects in regional integrated climate models?. <b>2017</b> , 154, 42-52	9
1144	WRF inversion base height ensembles for simulating marine boundary layer stratocumulus. <b>2017</b> , 146, 50-64	9
1143	Effects of the surface heterogeneities on the local climate of a fragmented landscape in Amazonia using a tile approach in the Eta/Noah-MP model. <b>2017</b> , 143, 1565-1580	6
1142	Causes of extreme rainfall in May 2013 over Henan Province: the role of the southwest vortex and low-level jet. <b>2017</b> , 129, 701-709	10
1141	Sensitivity of Predictions of the Urban Surface Energy Balance and Heat Island to Variations of Urban Canopy Parameters in Simulations with the WRF Model. <b>2017</b> , 56, 573-595	18
1140	Sensitivity of grassland productivity to aridity controlled by stomatal and xylem regulation. <b>2017</b> , 10, 284-288	121

1139	Intraseasonal variability and predictability of the subtropical Asian summer rain band. <b>2017</b> , 37, 4119-4130	4
1138	Building the vegetation drought response index for Canada (VegDRI-Canada) to monitor agricultural drought: first results. <b>2017</b> , 54, 230-257	27
1137	The Simulated Response of Diurnal Mountain Winds to Regionally Enhanced Warming Caused by the Snow Albedo Feedback. <b>2017</b> , 74, 49-67	12
1136	A Nonhydrostatic Multiscale Model on the Uniform Jacobian Cubed Sphere. <b>2017</b> , 145, 1083-1105	6
1135	Investigation of aerosol effects on the Arctic surface temperature during the diurnal cycle: part 1 – total aerosol effect. <b>2017</b> , 37, 761-774	3
1134	Sensitivity of U.S. summer precipitation to model resolution and convective parameterizations across gray zone resolutions. <b>2017</b> , 122, 2714-2733	63
1133	Coupling Groundwater, Vegetation, and Atmospheric Processes: A Comparison of Two Integrated Models. <b>2017</b> , 18, 1489-1511	20
1132	Predicting U.S. Drought Monitor States Using Precipitation, Soil Moisture, and Evapotranspiration Anomalies. Part I: Development of a Nondiscrete USDM Index. <b>2017</b> , 18, 1943-1962	23
1131	Potential predictability of wet/dry spells transitions during extreme monsoon years: optimism for dynamical extended range prediction. <b>2017</b> , 88, 853-865	2
1130	Modeling of a severe dust event and its impacts on ozone photochemistry over the downstream Nanjing megacity of eastern China. <b>2017</b> , 160, 107-123	16
1129	Simulation of a severe convective storm using a numerical model with explicitly incorporated aerosols. <b>2017</b> , 194, 164-177	20
1128	Sensitivity of Dryline Convection Forecasts to Upstream Forecast Errors for Two Weakly Forced MPEX Cases. <b>2017</b> , 145, 1831-1852	10
1127	Evaluating the present annual water budget of a Himalayan headwater river basin using a high-resolution atmosphere-hydrology model. <b>2017</b> , 122, 4786-4807	35
1126	Factors affecting the simulated trajectory and intensification of Tropical Cyclone Yasi (2011). <b>2017</b> , 194, 27-42	8
1125	The added utility of nonlinear methods compared to linear methods in rescaling soil moisture products. <b>2017</b> , 196, 224-237	12
1124	A land data assimilation system for sub-Saharan Africa food and water security applications. <b>2017</b> , 4, 170012	150
1123	System for Land Surface Model Applications Based on Cloud Computing. <b>2017</b> , 5, 12041-12048	0
1122	Confounding factors in determining causal soil moisture-precipitation feedback. <b>2017</b> , 53, 5531-5544	18

1121	Tradeoff between cost and accuracy in large-scale surface water dynamic modeling. <b>2017</b> , 53, 4942-4955	32
1120	Tree-ring analysis and modeling approaches yield contrary response of circumboreal forest productivity to climate change. <b>2017</b> , 23, 5179-5188	51
1119	The Structure, Evolution, and Dynamics of a Nocturnal Convective System Simulated Using the WRF-ARW Model. <b>2017</b> , 145, 3179-3201	20
1118	Evapotranspiration of urban landscapes in Los Angeles, California at the municipal scale. <b>2017</b> , 53, 4236-4252	41
1117	Improved meteorology and ozone air quality simulations using MODIS land surface parameters in the Yangtze River Delta urban cluster, China. <b>2017</b> , 122, 3116-3140	20
1116	Multi-year application of WRF-CAM5 over East Asia-Part I: Comprehensive evaluation and formation regimes of O <sub>3</sub> and PM <sub>2.5</sub> . <b>2017</b> , 165, 122-142	14
1115	Urban heat island mesoscale modelling study for the Budapest agglomeration area using the WRF model. <b>2017</b> , 21, 66-86	17
1114	Real-time and short-term predictions of spring phenology in North America from VIIRS data. <b>2017</b> , 194, 89-99	20
1113	Effect of cloud microphysics on Indian summer monsoon precipitating clouds: A coupled climate modeling study. <b>2017</b> , 122, 3786-3805	15
1112	Vertical discretization with finite elements for a global hydrostatic model on the cubed sphere. <b>2017</b> , 338, 339-356	2
1111	Continental-scale convection-permitting modeling of the current and future climate of North America. <b>2017</b> , 49, 71-95	235
1110	Comparison of Methods to Estimate Snow Water Equivalent at the Mountain Range Scale: A Case Study of the California Sierra Nevada. <b>2017</b> , 18, 1101-1119	36
1109	Effects of Water-Table Configuration on the Planetary Boundary Layer over the San Joaquin River Watershed, California. <b>2017</b> , 18, 1471-1488	16
1108	Orographic Land–Atmosphere Interactions and the Diurnal Cycle of Low-Level Clouds and Fog. <b>2017</b> , 18, 1513-1533	16
1107	Sensitivity of Simulated Urban–Atmosphere Interactions in Oklahoma City to Urban Parameterization. <b>2017</b> , 56, 1405-1430	2
1106	High-resolution regional-coupled ocean–atmosphere simulation of the Indian Summer Monsoon. <b>2017</b> , 37, 717-740	12
1105	WRF nested large-eddy simulations of deep convection during SEAC4RS. <b>2017</b> , 122, 3953-3974	14
1104	Sensitivity of Northern Great Plains Convection Forecasts to Upstream and Downstream Forecast Errors. <b>2017</b> , 145, 2141-2163	10

1103	Utility of Satellite Remote Sensing for Land-Atmosphere Coupling and Drought Metrics. <b>2017</b> , 18, 863-877	10
1102	Parallel Construction of the WRF Pleim-Xiu Land Surface Scheme With Intel Many Integrated Core (MIC) Architecture. <b>2017</b> , 10, 1239-1246	2
1101	On the Long-Term Hydroclimatic Sustainability of Perennial Bioenergy Crop Expansion over the United States. <b>2017</b> , 30, 2535-2557	18
1100	Comparison and Assessment of Three Advanced Land Surface Models in Simulating Terrestrial Water Storage Components over the United States. <b>2017</b> , 18, 625-649	45
1099	Land-atmosphere coupling in EURO-CORDEX evaluation experiments. <b>2017</b> , 122, 79-103	59
1098	Design and Implementation of a GSI-Based Convection-Allowing Ensemble Data Assimilation and Forecast System for the PECAN Field Experiment. Part I: Optimal Configurations for Nocturnal Convection Prediction Using Retrospective Cases. <b>2017</b> , 32, 289-315	24
1097	Comparing Standard to Feature-Based Meteorological Model Evaluation Techniques in Bogotá Colombia. <b>2017</b> , 56, 391-413	9
1096	Development of a Model Performance Metric and Its Application to Assess Summer Precipitation over the U.S. Great Plains in Downscaled Climate Simulations. <b>2017</b> , 18, 2781-2799	6
1095	Subseasonal Dynamical Prediction of East Asian Cold Surges. <b>2017</b> , 32, 1675-1694	12
1094	Prediction of Indian Summer-Monsoon Onset Variability: A Season in Advance. <b>2017</b> , 7, 14229	23
1093	Thermodynamic Retrieval in Rapidly Rotating Vortices from Multiple-Doppler Radar Data. <b>2017</b> , 34, 2353-2374	7
1092	Optimization of Noah and Noah_MP WRF Land Surface Schemes in Snow-Melting Conditions over Complex Terrain. <b>2017</b> , 145, 4727-4745	27
1091	Effectiveness of Different Urban Heat Island Mitigation Methods and Their Regional Impacts. <b>2017</b> , 18, 2991-3012	12
1090	Rivers and Floodplains as Key Components of Global Terrestrial Water Storage Variability. <b>2017</b> , 44, 10,359-10,368	68
1089	Sustainable Land Management for Bioenergy Crops. <b>2017</b> , 125, 379-388	6
1088	The 2016 southeastern US drought: an extreme departure from centennial wetting and cooling. <b>2017</b> , 122, 10888-10905	40
1087	Improved methods for estimating local terrestrial water dynamics from GRACE in the Northern High Plains. <b>2017</b> , 110, 279-290	36
1086	Estimation of the Isotopic Composition and Origins of Winter Precipitation Over Japan Using a Regional Isotope Circulation Model. <b>2017</b> , 122, 11,621-11,637	5



1085	Upper Blue Nile Basin Water Budget from a Multi-Model Perspective. <b>2017</b> , 555, 535-546	25
1084	Impacts of spectral nudging on the simulated surface air temperature in summer compared with the selection of shortwave radiation and land surface model physics parameterization in a high-resolution regional atmospheric model. <b>2017</b> , 164, 259-267	1
1083	Subtropical Dust Storms and Downslope Wind Events. <b>2017</b> , 122, 10,191	11
1082	Mesoscale precipitation characteristics near the Western Ghats during the Indian Summer Monsoon as simulated by a high-resolution regional model. <b>2017</b> , 143, 3070-3084	9
1081	Modulation of Soil Initial State on WRF Model Performance Over China. <b>2017</b> , 122, 11,278-11,300	5
1080	The role of local heating in the 2015 Indian Heat Wave. <b>2017</b> , 7, 7707	14
1079	WRF high resolution simulation of an extreme rainfall event over Douala (Cameroon): a case study. <b>2017</b> , 3, 927-942	13
1078	High-Resolution Model-Based Investigation of Moisture Transport into the Pacific Northwest during a Strong Atmospheric River Event. <b>2017</b> , 145, 3861-3879	6
1077	Annual Estimates of Recharge, Quick-Flow Runoff, and Evapotranspiration for the Contiguous U.S. Using Empirical Regression Equations. <b>2017</b> , 53, 961-983	47
1076	ESA CCI Soil Moisture for improved Earth system understanding: State-of-the art and future directions. <b>2017</b> , 203, 185-215	488
1075	Numerical Simulations of the 2013 Alberta Flood: Dynamics, Thermodynamics, and the Role of Orography. <b>2017</b> , 145, 3049-3072	9
1074	Radiative effect of black carbon aerosol on a squall line case in North China. <b>2017</b> , 197, 407-414	7
1073	A case study involving single observation experiments performed over snowy Siberia using a coupled atmosphere-land modelling system. <b>2017</b> , 18, 106-111	8
1072	Binary mesovortex structure associated with southwest vortex. <b>2017</b> , 18, 246-252	4
1071	Near-surface strong winds in a marine extratropical cyclone: acceleration of the winds and the importance of surface fluxes. <b>2017</b> , 143, 321-332	14
1070	A realistic meteorological assessment of perennial biofuel crop deployment: a Southern Great Plains perspective. <b>2017</b> , 9, 1024-1041	6
1069	Investigation of aerosol effects on the Arctic surface temperature during the diurnal cycle: part 2 â Separating aerosol effects. <b>2017</b> , 37, 775-787	3
1068	Evaluation of Snow Water Equivalent in NARCCAP Simulations, Including Measures of Observational Uncertainty. <b>2017</b> , 18, 2425-2452	12

1067	Multiscale Aspects of the Storm Producing the June 2013 Flooding in Uttarakhand, India. <b>2017</b> , 145, 4447-4466	33
1066	On the diurnal cycle of surface energy fluxes in the North American monsoon region using the WRF-Hydro modeling system. <b>2017</b> , 122, 9024-9049	17
1065	. <b>2017</b> , 69, 1287492	23
1064	Impacts of aerosol-radiation feedback on local air quality during a severe haze episode in Nanjing megacity, eastern China. <b>2017</b> , 69, 1339548	26
1063	Assessment of a Long-Term High-Resolution Hydroclimatic Dataset for the U.S. Midwest. <b>2017</b> , 21, 1-31	3
1062	Prolongation of SMAP to Spatiotemporally Seamless Coverage of Continental U.S. Using a Deep Learning Neural Network. <b>2017</b> , 44, 11,030	99
1061	Improving the Stable Surface Layer in the NCEP Global Forecast System. <b>2017</b> , 145, 3969-3987	6
1060	Assessment of NWP Forecast Models in Simulating Offshore Winds through the Lower Boundary Layer by Measurements from a Ship-Based Scanning Doppler Lidar. <b>2017</b> , 145, 4277-4301	12
1059	Extreme flooding mobilized dissolved organic matter from coastal forested wetlands. <b>2017</b> , 136, 293-309	25
1058	Improving Lightning and Precipitation Prediction of Severe Convection Using Lightning Data Assimilation With NCAR WRF-RTFDDA. <b>2017</b> , 122, 12,296-12,316	21
1057	A Systematic Evaluation of Noah-MP in Simulating Land-Atmosphere Energy, Water, and Carbon Exchanges Over the Continental United States. <b>2017</b> , 122, 12,245-12,268	59
1056	Assessment of reanalysis soil moisture products in the permafrost regions of the central of the Qinghai-Tibet Plateau. <b>2017</b> , 31, 4647-4659	24
1055	Advances in land modeling of KIAPS based on the Noah Land Surface Model. <b>2017</b> , 53, 361-373	16
1054	Reconstructing annual groundwater storage changes in a large-scale irrigation region using GRACE data and Budyko model. <b>2017</b> , 551, 397-406	31
1053	Feasibility Study of the Reconstruction of Historical Weather with Data Assimilation. <b>2017</b> , 145, 3563-3580	4
1052	Changes in surface energy partitioning in China over the past three decades. <b>2017</b> , 34, 635-649	3
1051	Internal Intraseasonal Variability of the West African Monsoon in WRF. <b>2017</b> , 30, 5815-5833	3
1050	Assessment of the plume dispersion due to chemical attack on April 4, 2017, in Syria. <b>2017</b> , 88, 1893-1901	11

1049	Assessment of Seasonal Soil Moisture Forecasts over Southern South America with Emphasis on Dry and Wet Events. <b>2017</b> , 18, 2297-2311	3
1048	Reforecasting the ENSO Events in the Past 57 Years (1958-2014). <b>2017</b> , 30, 7669-7693	28
1047	A study of 2014 record drought in India with CFSv2 model: role of water vapor transport. <b>2017</b> , 49, 297-312	10
1046	. <b>2017</b> , 55, 526-536	7
1045	A New Snow Density Parameterization for Land Data Initialization. <b>2017</b> , 18, 197-207	20
1044	Assimilating synthetic hyperspectral sounder temperature and humidity retrievals to improve severe weather forecasts. <b>2017</b> , 186, 9-25	10
1043	Evaluation and improvement of the default soil hydraulic parameters for the Noah Land Surface Model. <b>2017</b> , 285, 247-259	27
1042	A Severe Weather Quick Observing System Simulation Experiment (QuickOSSE) of Global Navigation Satellite System (GNSS) Radio Occultation (RO) Superconstellations. <b>2017</b> , 145, 637-651	5
1041	Application of the Land-Atmosphere Coupling Paradigm to the Operational Coupled Forecast System, Version 2 (CFSv2). <b>2017</b> , 18, 85-108	29
1040	A Framework for Assessing Soil Moisture Deficit and Crop Water Stress at Multiple Space and Time Scales Under Climate Change Scenarios Using Model Platform, Satellite Remote Sensing, and Decision Support System. <b>2017</b> , 173-196	1
1039	How distinct are the two flavors of El Niño in retrospective forecasts of Climate Forecast System version 2 (CFSv2)? <b>2017</b> , 48, 3829-3854	17
1038	Effects of life-history requirements on the distribution of a threatened reptile. <b>2017</b> , 31, 427-436	2
1037	Modeling of urban heat island and its impacts on thermal circulations in the Beijing-Tianjin-Hebei region, China. <b>2017</b> , 128, 999-1013	26
1036	NAQFC Developmental Forecast Guidance for Fine Particulate Matter (PM2.5). <b>2017</b> , 32, 343-360	47
1035	Projections of climate change impacts on central America tropical rainforest. <b>2017</b> , 141, 93-105	27
1034	Relation of Eurasian Snow Cover and Indian Summer Monsoon Rainfall: Importance of the Delayed Hydrological Effect. <b>2017</b> , 30, 1273-1289	44
1033	Numerical Solution of Richards' Equation: A Review of Advances and Challenges. <b>2017</b> , 81, 1257-1269	104
1032	Radial Growth and Physiological Response of Coniferous Trees to Arctic Amplification. <b>2017</b> , 122, 2786-2803	12

1031	Invigoration and Capping of a Convective Rainband ahead of a Potential Vorticity Anomaly. <b>2017</b> , 145, 2093-2117	3
1030	Cross-polar transport and scavenging of Siberian aerosols containing black carbon during the 2012 ACCESS summer campaign. <b>2017</b> , 17, 10969-10995	18
1029	A multi-model approach to monitor emissions of CO <sub>2</sub> and CO from an urban-industrial complex. <b>2017</b> , 17, 13297-13316	9
1028	Bayesian inverse modeling of the atmospheric transport and emissions of a controlled tracer release from a nuclear power plant. <b>2017</b> , 17, 13521-13543	13
1027	Quantification of CO emissions from the city of Madrid using MOPITT satellite retrievals and WRF simulations. <b>2017</b> , 17, 14675-14694	11
1026	A revised radiation package of G-packed McICA and two-stream approximation: Performance evaluation in a global weather forecasting model. <b>2017</b> , 9, 1628-1640	31
1025	Orographic control of the Bay of Bengal cold pool rainfall. <b>2017</b> , 126, 1	1
1024	Evaluation of Multiple Planetary Boundary Layer Parameterization Schemes in Southeast U.S. Cold Season Severe Thunderstorm Environments. <b>2017</b> , 32, 1857-1884	15
1023	Image of local energy anomaly during a heavy rainfall event. <b>2017</b> , 26, 119201	1
1022	Improvements to the snow melting process in a partially double moment microphysics parameterization. <b>2017</b> , 9, 1150-1166	14
1021	The Role of Jet Adjustment Processes in Subtropical Dust Storms. <b>2017</b> , 122, 12,122-12,139	7
1020	Similarity Assessment of Land Surface Model Outputs in the North American Land Data Assimilation System. <b>2017</b> , 53, 8941-8965	23
1019	The Effect of the Dry Line and Convective Initiation on Drought Evolution over Oklahoma during the 2011 Drought. <b>2017</b> , 2017, 1-16	5
1018	Inter-comparison of daily precipitation products for large-scale hydro-climatic applications over Canada. <b>2017</b> , 21, 2163-2185	51
1017	Estimation of surface energy fluxes in the Arctic tundra using the remote sensing thermal-based Two-Source Energy Balance model. <b>2017</b> , 21, 1339-1358	11
1016	Eurasian snow depth in long-term climate reanalyses. <b>2017</b> , 11, 923-935	22
1015	Role of forcing uncertainty and background model error characterization in snow data assimilation. <b>2017</b> , 21, 2637-2647	14
1014	Investigation of Potential Volcanic Risk from Mt. Baekdu by DInSAR Time Series Analysis and Atmospheric Correction. <b>2017</b> , 9, 138	10

1013	Gauging the Severity of the 2012 Midwestern U.S. Drought for Agriculture. <b>2017</b> , 9, 767	7
1012	Study of the Spatiotemporal Characteristics of Meltwater Contribution to the Total Runoff in the Upper Changjiang River Basin. <b>2017</b> , 9, 165	7
1011	Evaluation of Surface Fluxes in the WRF Model: Case Study for Farmland in Rolling Terrain. <b>2017</b> , 8, 197	20
1010	Blended Drought Index: Integrated Drought Hazard Assessment in the Cuvelai-Basin. <b>2017</b> , 5, 51	10
1009	Multiscale Dynamics of the February 11-12, 2010, Deep South US Snowstorm Event. <b>2017</b> , 2017, 1-26	
1008	Humanâ€water interface in hydrological modelling: current status and future directions. <b>2017</b> , 21, 4169-4193	114
1007	Evaluation of the wind farm parameterization in the Weather Research and Forecasting model (version 3.8.1) with meteorological and turbine power data. <b>2017</b> , 10, 4229-4244	31
1006	Trend analysis of fire season length and extreme fire weather in North America between 1979 and 2015. <b>2017</b> , 26, 1009	51
1005	Analysis of parameter sensitivity on surface heat exchange in the Noah land surface model at a temperate desert steppe site in China. <b>2017</b> , 31, 1167-1182	9
1004	Estimating annual water storage variations in medium-scale (2000â€0 000 km <sup>2</sup> ) basins using microwave-based soil moisture retrievals. <b>2017</b> , 21, 1849-1862	14
1003	Biogenic isoprene emissions driven by regional weather predictions using different initialization methods: case studies during the SEAC <sup>4</sup> RS and DISCOVER-AQ airborne campaigns. <b>2017</b> , 10, 3085-3104	5
1002	Recent changes in terrestrial water storage in the Upper Nile Basin: an evaluation of commonly used gridded GRACE products. <b>2017</b> , 21, 4533-4549	36
1001	Description and evaluation of the Multiscale Online Nonhydrostatic Atmosphere Chemistry model (NMMB-MONARCH) version 1.0: gas-phase chemistry at global scale. <b>2017</b> , 10, 609-638	24
1000	Continuous high-resolution midlatitude-belt simulations for Julyâ€August 2013 with WRF. <b>2017</b> , 10, 2031-2055	16
999	Evapotranspiration seasonality across the Amazon Basin. <b>2017</b> , 8, 439-454	46
998	Evaluation of Groundwater Storage Variations in Northern China Using GRACE Data. <b>2017</b> , 2017, 1-13	16
997	Structure, characteristics, and simulation of monsoon low-pressure systems in CFSv2 coupled model. <b>2017</b> , 122, 6394-6415	15
996	Extending flood forecasting lead time in a large watershed by coupling WRF QPF with a distributed hydrological model. <b>2017</b> , 21, 1279-1294	41

995	The interactions between soilâBiosphereâAtmosphere land surface model with a multi-energy balance (ISBA-MEB) option in SURFEXv8 âPart 1: Model description. <b>2017</b> , 10, 843-872	54
994	Canopy profile sensitivity on surface layer simulations evaluated by a multiple canopy layer higher order closure land surface model. <b>2018</b> , 252, 192-207	6
993	Urban Modification of Convection and Rainfall in Complex Terrain. <b>2018</b> , 45, 2507-2515	39
992	Implementing Dynamic Root Optimization in Noah-MP for Simulating Phreatophytic Root Water Uptake. <b>2018</b> , 54, 1560-1575	29
991	Assessment of Land Surface Models in a High-Resolution Atmospheric Model during Indian Summer Monsoon. <b>2018</b> , 175, 3671-3696	14
990	Comparison of the performance of latent heat flux products over southern hemisphere forest ecosystems: estimating latent heat flux error structure using in situ measurements and the triple collocation method. <b>2018</b> , 39, 6300-6315	1
989	Remote sensing, hydrological modeling and in situ observations in snow cover research: A review. <b>2018</b> , 561, 573-583	58
988	Performance of Different Surface Incoming Solar Radiation Models and Their Impacts on Reference Evapotranspiration. <b>2018</b> , 32, 3053-3070	12
987	Simulation of the Intraseasonal Variations of the Indian Summer Monsoon in a Regional Coupled OceanâAtmosphere Model. <b>2018</b> , 31, 3167-3185	12
986	Spatiotemporal variability of snow cover and snow water equivalent in the last three decades over Eurasia. <b>2018</b> , 559, 238-251	38
985	Australian snowpack in the NARCLIM ensemble: evaluation, bias correction and future projections. <b>2018</b> , 51, 639-666	12
984	Uncertainty in solid precipitation and snow depth prediction for Siberia using the Noah and Noah-MP land surface models. <b>2018</b> , 12, 672-682	6
983	Assessing simulated summer 10-m wind speed over China: influencing processes and sensitivities to land surface schemes. <b>2018</b> , 50, 4189-4209	7
982	Potential predictability and actual skill of Boreal Summer Tropical SST and Indian summer monsoon rainfall in CFSv2-T382: Role of initial SST and teleconnections. <b>2018</b> , 51, 493-510	9
981	Evolution of 2016 drought in the Southeastern United States from a Land surface modeling perspective. <b>2018</b> , 8, 654-656	9
980	A potential predictor of multi-season droughts in Southwest China: soil moisture and its memory. <b>2018</b> , 91, 553-566	11
979	Impacts of future urban expansion on summer climate and heat-related human health in eastern China. <b>2018</b> , 112, 134-146	60
978	Future Scenarios of Surface Water Resources Availability in North African Dams. <b>2018</b> , 32, 1291-1306	30

977	The Influence of Aerosol Hygroscopicity on Precipitation Intensity During a Mesoscale Convective Event. <b>2018</b> , 123, 424-442	8
976	The Character and Causes of Elevation-Dependent Warming in High-Resolution Simulations of Rocky Mountain Climate Change. <b>2018</b> , 31, 2093-2113	39
975	Verification of land-atmosphere coupling in forecast models, reanalyses and land surface models using flux site observations. <b>2018</b> , 19, 375-392	46
974	Substantial impacts of landscape changes on summer climate with major regional differences: The case of China. <b>2018</b> , 625, 416-427	12
973	Understanding the Dominant Sources and Tracks of Moisture for Summer Rainfall in the Southwest United States. <b>2018</b> , 123, 4850-4870	21
972	Effect of land model ensemble versus coupled model ensemble on the simulation of precipitation climatology and variability. <b>2018</b> , 134, 793-800	3
971	Development and Validation of a Long-Term, Global, Terrestrial Sensible Heat Flux Dataset. <b>2018</b> , 31, 6073-6095	6
970	Evaluation of the WRF-Urban Modeling System Coupled to Noah and Noah-MP Land Surface Models Over a Semiarid Urban Environment. <b>2018</b> , 123, 2387-2408	42
969	Interactions of atmospheric gases and aerosols with the monsoon dynamics over the Sudano-Guinean region during AMMA. <b>2018</b> , 18, 445-465	9
968	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia Phase III (MICS-Asia III) â Part 1: Overview and model evaluation. <b>2018</b> , 18, 4859-4884	45
967	Temporal and spatial characteristics of dust devils and their contribution to the aerosol budget in East AsiaâAn analysis using a new parameterization scheme for dust devils. <b>2018</b> , 182, 225-233	7
966	Modeling the Evolution and Life Cycle of Radiative Cold Pools and Fog. <b>2018</b> , 33, 203-220	13
965	Correction of Forcing-Related Spatial Artifacts in a Land Surface Model by Satellite Soil Moisture Data Assimilation. <b>2018</b> , 15, 498-502	10
964	The Simulated Impact of the Snow Albedo Feedback on the Large-Scale MountainâPlain Circulation East of the Colorado Rocky Mountains. <b>2018</b> , 75, 755-774	5
963	Mean and intra-seasonal variability simulated by NCEP Climate Forecast System model (version 2.0) during boreal winter: Impact of horizontal resolution. <b>2018</b> , 38, 3028-3043	1
962	An urban climate assessment and management tool for combined heat and air quality judgements at neighbourhood scales. <b>2018</b> , 132, 204-217	18
961	Eta model simulations using two radiation schemes in clear-sky conditions. <b>2018</b> , 130, 39-48	6
960	Evaluation of energy fluxes in the NCEP climate forecast system version 2.0 (CFSv2). <b>2018</b> , 50, 101-114	9



959	Winter precipitation characteristics in western US related to atmospheric river landfalls: observations and model evaluations. <b>2018</b> , 50, 231-248	20
958	An estimation of water origins in the vicinity of a tropical cyclone's center and associated dynamic processes. <b>2018</b> , 50, 555-569	12
957	Role of monsoon intraseasonal oscillation and its interannual variability in simulation of seasonal mean in CFSv2. <b>2018</b> , 131, 745-760	2
956	Global Terrestrial Water Storage Changes and Connections to ENSO Events. <b>2018</b> , 39, 1-22	54
955	Attribution Analysis of the Ethiopian Drought of 2015. <b>2018</b> , 31, 2465-2486	57
954	Comparative analysis of different underlying surfaces using a high-resolution assimilation dataset in semi-arid areas in China. <b>2018</b> , 134, 817-828	1
953	Information theoretic evaluation of satellite soil moisture retrievals. <b>2018</b> , 204, 392-400	54
952	Survey of data assimilation methods for convective-scale numerical weather prediction at operational centres. <b>2018</b> , 144, 1218-1256	125
951	Intercomparison of surface energy fluxes, soil moisture, and evapotranspiration from eddy covariance, large-aperture scintillometer, and modeling across three ecosystems in a semiarid climate. <b>2018</b> , 248, 22-47	26
950	Land-atmosphere interaction patterns in southeastern South America using satellite products and climate models. <b>2018</b> , 64, 96-103	16
949	Sensitivity of Offshore Surface Fluxes and Sea Breezes to the Spatial Distribution of Sea-Surface Temperature. <b>2018</b> , 166, 475-502	5
948	Azimuthal Distribution of Deep Convection, Environmental Factors, and Tropical Cyclone Rapid Intensification: A Perspective from HWRF Ensemble Forecasts of Hurricane Edouard (2014). <b>2018</b> , 75, 275-295	23
947	Climate change impact on the potential yield of Arabica coffee in southeast Brazil. <b>2018</b> , 18, 873-883	23
946	Seasonal prediction and predictability of Eurasian spring snow water equivalent in NCEP Climate Forecast System version 2 reforecasts. <b>2018</b> , 50, 339-348	6
945	Impact of Land Surface and Forcing Parameters on the Spin-up Behaviour of Noah Land Surface Model over the Indian Sub-Continent. <b>2018</b> , 175, 389-401	
944	Precipitation reduction during Hurricane Harvey with simulated offshore wind farms. <b>2018</b> , 13, 084007	6
943	The WASCAL Hydrometeorological Observatory in the Sudan Savanna of Burkina Faso and Ghana. <b>2018</b> , 17, 180065	7
942	Precipitation Partitioning in Multiscale Atmospheric Simulations: Impacts of Stability Restoration Methods. <b>2018</b> , 123, 10,185	6

941	100 Years of Progress in Hydrology. <b>2018</b> , 59, 25.1-25.51	10
940	Impact of Using Near Real-Time Green Vegetation Fraction in Noah Land Surface Model of NOAA NCEP on Numerical Weather Predictions. <b>2018</b> , 2018, 1-12	2
939	Downslope Windstorms of San Diego County. Part II: Physics Ensemble Analyses and Gust Forecasting. <b>2018</b> , 33, 539-559	22
938	Coupled model fidelity in capturing atmospheric internal processes during organization and intensification of boreal summer intra-seasonal oscillation. <b>2018</b> , 38, 5339-5353	3
937	Hindcast skill improvement in Climate Forecast System (CFSv2) using modified cloud scheme. <b>2018</b> , 38, 2994-3012	11
936	Introduction to CAUSES: Description of Weather and Climate Models and Their Near-Surface Temperature Errors in 5 day Hindcasts Near the Southern Great Plains. <b>2018</b> , 123, 2655-2683	37
935	Predicting the Inland Penetration of Long-Lake-Axis-Parallel Snowbands. <b>2018</b> , 33, 1435-1451	7
934	Estimating Soil Evaporation Using Drying Rates Determined from Satellite-Based Soil Moisture Records. <b>2018</b> , 10, 1945	8
933	Monsoon Climate Change Projection for the Orographic West Coast of India Using High-Resolution Nested Dynamical Downscaling Model. <b>2018</b> , 123, 7821	10
932	Modeling the Origin of Anthropogenic Black Carbon and Its Climatic Effect Over the Tibetan Plateau and Surrounding Regions. <b>2018</b> , 123, 671-692	49
931	The Simulation of East Asian Summer Monsoon Precipitation With a Regional Ocean-Atmosphere Coupled Model. <b>2018</b> , 123, 11,362-11,376	3
930	Large-scale Wetland Mapping and Evaluation. <b>2018</b> , 45-77	1
929	Exploring seasonal and regional relationships between the Evaporative Stress Index and surface weather and soil moisture anomalies across the United States. <b>2018</b> , 22, 5373-5386	8
928	Impact of Turbulent Mixing in the Stratocumulus-Topped Boundary Layer on Numerical Weather Prediction. <b>2018</b> , 54, 371-384	7
927	Impact of GVF Derivation Methods on Noah Land Surface Model Simulations and WRF Model Forecasts. <b>2018</b> , 19, 1917-1933	2
926	Spatial and temporal variability of root-zone soil moisture acquired from hydrologic modeling and AirMOSS P-band radar. <b>2018</b> , 11, 4578-4590	5
925	Examination of the Physical Atmosphere in the Great Lakes Region and Its Potential Impact on Air Quality and Overwater Stability and Satellite Assimilation. <b>2018</b> , 57, 2789-2816	17
924	Role of soil moisture-atmosphere feedback during high temperature events in 2002 over Northeast Eurasia. <b>2018</b> , 5,	4

923	Seasonal variation in isotopic composition and the origin of precipitation over Bangladesh. <b>2018</b> , 5,	14
922	Winds and Gusts during the Thomas Fire. <b>2018</b> , 1, 47	16
921	Evaluation of Forecasts of a Convectively Generated Bore Using an Intensively Observed Case Study from PECAN. <b>2018</b> , 146, 3097-3122	13
920	Evaluation of heat wave forecasts seamlessly across subseasonal timescales. <b>2018</b> , 1,	15
919	Modified NAM Microphysics for Forecasts of Deep Convective Storms. <b>2018</b> , 146, 4115-4153	21
918	Extreme Drought Events over the Amazon Basin: The Perspective from the Reconstruction of South American Hydroclimate. <b>2018</b> , 10, 1594	9
917	Evaluation of Simulated Snow and Snowmelt Timing in the Community Land Model Using Satellite-based Products and Streamflow Observations. <b>2018</b> , 10, 2933-2951	5
916	On the Harvest of Predictability From Land States in a Global Forecast Model. <b>2018</b> , 123, 13,111	20
915	Evaluation of Land Surface Model Against Smap and In-Situ Observations for Indian Region. <b>2018</b> ,	2
914	A comparative study of available water in the major river basins of the world. <b>2018</b> , 567, 510-532	51
913	An Evaluation of Paired Regional/Convection-Allowing Forecast Vertical Thermodynamic Profiles in Warm-Season, Thunderstorm-Supporting Environments. <b>2018</b> , 33, 1547-1566	4
912	New Optical Properties of Ice Crystals for Multiclass Cloud Microphysics. <b>2018</b> , 10, 2971-2982	1
911	Impacts of Land-Use Data on the Simulation of Surface Air Temperature in Northwest China. <b>2018</b> , 32, 896-908	7
910	Assessing SMAP Soil Moisture Scaling and Retrieval in the Carman (Canada) Study Site. <b>2018</b> , 17, 180132	42
909	Impact of a Narrow Coastal Bay of Bengal Sea Surface Temperature Front on an Indian Summer Monsoon Simulation. <b>2018</b> , 8, 17694	23
908	A Preliminary Assessment of the Impact of Assimilating Satellite Soil Moisture Data Products on NCEP Global Forecast System. <b>2018</b> , 2018, 1-12	9
907	Susquehanna Shale Hills Critical Zone Observatory: Shale Hills in the Context of Shaver's Creek Watershed. <b>2018</b> , 17, 1-19	26
906	The Implications for Radiative Cloud Forcing via the Link Between Shallow Convection and Planetary Boundary Layer Mixing. <b>2018</b> , 123, 13,203	3

905	Groundwater Storage Changes in China from Satellite Gravity: An Overview. <b>2018</b> , 10, 674	88
904	Comparison of Agricultural Stakeholder Survey Results and Drought Monitoring Datasets during the 2016 U.S. Northern Plains Flash Drought. <b>2018</b> , 10, 867-883	14
903	Uncertainties of 3D soil hydraulic parameters in streamflow simulations using a distributed hydrological model system. <b>2018</b> , 567, 12-24	5
902	The role of evapotranspiration in streamflow modeling – An analysis using entropy. <b>2018</b> , 567, 290-304	9
901	Global Investigation of Soil Moisture and Latent Heat Flux Coupling Strength. <b>2018</b> , 54, 8196-8215	21
900	Estimating monthly evapotranspiration by assimilating remotely sensed water storage data into the extended Budyko framework across different climatic regions. <b>2018</b> , 567, 684-695	23
899	Performance Assessment of MOD16 in Evapotranspiration Evaluation in Northwestern Mexico. <b>2018</b> , 10, 901	25
898	Application of a Physical Ensemble Method in the POD-4DEnVar. <b>2018</b> , 33, 1567-1585	2
897	Comprehensive Evaluation of the Variable Infiltration Capacity (VIC) Model in the North American Land Data Assimilation System. <b>2018</b> , 19, 1853-1879	11
896	Biased Wind Measurements in Estuarine Waters. <b>2018</b> , 123, 3577-3587	7
895	Impact of Change in Monsoonal Circulation Due to SST Warming on the North East Asian Monsoon: A Model Analysis Using Satellite Based Sub-Grid Hydrometeors. <b>2018</b> , 54, 545-561	
894	Modeling regional pollution transport events during KORUS-AQ: Progress and challenges in improving representation of land-atmosphere feedbacks. <b>2018</b> , 123, 10732-10756	9
893	Opportunities and Challenges in Computing Fresh Groundwater Discharge to Continental Coastlines: A Multimodel Comparison for the United States Gulf and Atlantic Coasts. <b>2018</b> , 54, 8363-8380	9
892	Trapped Gravity Waves and Their Association with Turbulence in a Large Thunderstorm Anvil during PECAN. <b>2018</b> , 146, 3031-3052	4
891	Aerosol distribution in the northern Gulf of Guinea: local anthropogenic sources, long-range transport, and the role of coastal shallow circulations. <b>2018</b> , 18, 12363-12389	14
890	Validation and assessment of SPoRT-LIS surface soil moisture estimates for water resources management applications. <b>2018</b> , 566, 43-54	10
889	Precipitation Redistribution Method for Regional Simulations of Radioactive Material Transport During the Fukushima Daiichi Nuclear Power Plant Accident. <b>2018</b> , 123, 10,248	1
888	An Assessment of the Impact of Land Thermal Infrared Observation on Regional Weather Forecasts Using Two Different Data Assimilation Approaches. <b>2018</b> , 10, 625	8

887	Downscaling of SMAP Soil Moisture Using Land Surface Temperature and Vegetation Data. <b>2018</b> , 17, 170198	41
886	Sensitivity of Tropical Cyclone Intensity and Structure to Planetary Boundary Layer Parameterization. <b>2018</b> , 54, 473-488	6
885	Evaluation of the ability of the Weather Research and Forecasting model to reproduce a sub-daily extreme rainfall event in Beijing, China using different domain configurations and spin-up times. <b>2018</b> , 22, 3391-3407	11
884	Estimation of Lake Outflow from the Poorly Gauged Lake Tana (Ethiopia) Using Satellite Remote Sensing Data. <b>2018</b> , 10, 1060	6
883	Impacts of Land Cover and Soil Texture Uncertainty on Land Model Simulations Over the Central Tibetan Plateau. <b>2018</b> , 10, 2121-2146	26
882	Intercomparison and Uncertainty Assessment of Nine Evapotranspiration Estimates Over South America. <b>2018</b> , 54, 2891-2908	44
881	Using a spatially-distributed hydrologic biogeochemistry model with a nitrogen transport module to study the spatial variation of carbon processes in a Critical Zone Observatory. <b>2018</b> , 380, 8-21	15
880	Controls on surface soil drying rates observed by SMAP and simulated by the Noah land surface model. <b>2018</b> , 22, 1649-1663	31
879	Assessment of the Weather Research and Forecasting (WRF) model for simulation of extreme rainfall events in the upper Ganga Basin. <b>2018</b> , 22, 1095-1117	60
878	Direct radiative effects during intense Mediterranean desert dust outbreaks. <b>2018</b> , 18, 8757-8787	21
877	Assessing the feasibility of using produced water for irrigation in Colorado. <b>2018</b> , 640-641, 619-628	44
876	Drought Variability and Trends over the Central United States in the Instrumental Record. <b>2018</b> , 19, 1149-11667	
875	Is There a Change From a Warm-Dry to a Warm-Wet Climate in the Inland River Area of China? Interpretation and Analysis Through Surface Water Balance. <b>2018</b> , 123, 7114	7
874	Contributions of GCM/RCM Uncertainty in Ensemble Dynamical Downscaling for Precipitation in East Asian Summer Monsoon Season. <b>2018</b> , 14, 97-104	10
873	Probabilistic forecasting of day-ahead solar irradiance using quantile gradient boosting. <b>2018</b> , 173, 313-327	42
872	Seasonal and Decadal Groundwater Changes in African Sedimentary Aquifers Estimated Using GRACE Products and LSMs. <b>2018</b> , 10, 904	36
871	Modelling the dynamics of evapotranspiration using Variable Infiltration Capacity model and regionally calibrated Hargreaves approach. <b>2018</b> , 36, 289-300	23
870	Forecasting Summertime Surface Temperature and Precipitation in the Mexico City Metropolitan Area: Sensitivity of the WRF Model to Land Cover Changes. <b>2018</b> , 6,	6

869	Representation of Ocean-Atmosphere Processes Associated with Extended Monsoon Episodes over South Asia in CFSv2. <b>2018</b> , 6,	3
868	Impact of Land Surface Initialization and Land-Atmosphere Coupling on the Prediction of the Indian Summer Monsoon with the CFSv2. <b>2018</b> , 5,	9
867	Evaluation of the Forecast Accuracy of Near-Surface Temperature and Wind in Northwest China Based on the WRF Model. <b>2018</b> , 32, 469-490	8
866	Challenges and Opportunities for Data Assimilation in Mountainous Environments. <b>2018</b> , 9, 127	9
865	Comparative assessment of RAMS and WRF short-term forecasts over Eastern Iberian Peninsula using various in-situ observations, remote sensing products and uncoupled land surface model datasets. <b>2018</b> , 213, 476-491	5
864	Assimilation of MODIS Snow Cover Fraction Observations into the NASA Catchment Land Surface Model. <b>2018</b> , 10, 316	24
863	Groundwater Depletion in the West Liaohe River Basin, China and Its Implications Revealed by GRACE and In Situ Measurements. <b>2018</b> , 10, 493	53
862	Attribution of Flux Partitioning Variations between Land Surface Models over the Continental U.S.. <b>2018</b> , 10, 751	19
861	Monitoring Groundwater Storage Changes Using the Gravity Recovery and Climate Experiment (GRACE) Satellite Mission: A Review. <b>2018</b> , 10, 829	105
860	The Korean Integrated Model (KIM) System for Global Weather Forecasting. <b>2018</b> , 54, 267-292	36
859	Assessment of prediction skill in equatorial Pacific Ocean in high resolution model of CFS. <b>2018</b> , 51, 3389-3403	1
858	Coupled Land-Atmosphere Regional Model Reduces Dry Bias in Indian Summer Monsoon Rainfall Simulated by CFSv2. <b>2018</b> , 45, 2476-2486	15
857	Exploiting soil moisture, precipitation and streamflow observations to evaluate soil moisture/runoff coupling in land surface models. <b>2018</b> , 45, 4869-4878	40
856	Sensitivity and Uncertainty of a Long-Term, High-Resolution, Global, Terrestrial Sensible Heat Flux Data Set. <b>2018</b> , 123, 4988-5000	2
855	Investigation into the Formation, Structure, and Evolution of an EF4 Tornado in East China Using a High-Resolution Numerical Simulation. <b>2018</b> , 32, 157-171	4
854	Characteristics of Water Vapor Turbulence Profiles in Convective Boundary Layers During the Dry and Wet Seasons Over Darwin. <b>2018</b> , 123, 4818-4836	2
853	Deep soil water recharge response to precipitation in Mu Us Sandy Land of China. <b>2018</b> , 11, 139-146	6
852	Assimilating All-Sky Infrared Radiances from GOES-16 ABI Using an Ensemble Kalman Filter for Convection-Allowing Severe Thunderstorms Prediction. <b>2018</b> , 146, 3363-3381	27

851	Continuous Assimilation of Lightning Data Using Time-Lagged Ensembles for a Convection-Allowing Numerical Weather Prediction Model. <b>2018</b> , 123, 9652-9673	13
850	WRF-based assessment of the Great Lakes' impact on cold season synoptic cyclones. <b>2018</b> , 214, 189-203	7
849	Understanding the Impact of Radar and In Situ Observations on the Prediction of a Nocturnal Convection Initiation Event on 25 June 2013 Using an Ensemble-Based Multiscale Data Assimilation System. <b>2018</b> , 146, 1837-1859	10
848	Evaluating and Improving NWP Forecast Models for the Future: How the Needs of Offshore Wind Energy Can Point the Way. <b>2018</b> , 99, 1155-1176	14
847	An Improved Prediction of Indian Summer Monsoon Onset From State-of-the-Art Dynamic Model Using Physics-Guided Data-Driven Approach. <b>2018</b> , 45, 8510-8518	5
846	Assessing the performance of WRF model in predicting high-impact weather conditions over Central and Western Africa: an ensemble-based approach. <b>2018</b> , 93, 1565-1587	14
845	A Numerical Water Tracer Model for Understanding Event-Scale Hydrometeorological Phenomena. <b>2018</b> , 19, 947-967	6
844	Parameter Sensitivity of the Noah-MP Land Surface Model with Dynamic Vegetation. <b>2018</b> , 19, 815-830	14
843	Spatio-temporal variations in SO and NO emissions caused by heating over the Beijing-Tianjin-Hebei Region constrained by an adaptive nudging method with OMI data. <b>2018</b> , 642, 543-552	29
842	Influence of a Great Plains Urban Environment on a Simulated Supercell. <b>2018</b> , 146, 1437-1462	10
841	Assessment of a High-Resolution Climate Model for Surface Water and Energy Flux Simulations over Global Land: An Intercomparison with Reanalyses. <b>2018</b> , 19, 1115-1129	3
840	Agricultural Fire Impacts on Ozone Photochemistry Over the Yangtze River Delta Region, East China. <b>2018</b> , 123, 6605-6623	12
839	Impact of soil freeze-thaw mechanism on the runoff dynamics of two Tibetan rivers. <b>2018</b> , 563, 382-394	27
838	Identifying Key Water Resource Vulnerabilities in Data-Scarce Transboundary River Basins. <b>2018</b> , 54, 5264-5281	8
837	A Method for Objectively Integrating Soil Moisture Satellite Observations and Model Simulations Toward a Blended Drought Index. <b>2018</b> , 54, 6772-6791	15
836	An Examination of an Inland-Penetrating Atmospheric River Flood Event under Potential Future Thermodynamic Conditions. <b>2018</b> , 31, 6281-6297	14
835	Assessment of the Sensitivity to the Thermal Roughness Length in Noah and Noah-MP Land Surface Model Using WRF in an Arid Region. <b>2019</b> , 176, 2121-2137	24
834	WRF downscaling improves ERA-Interim representation of precipitation around a tropical Andean valley during El Niño: implications for GCM-scale simulation of precipitation over complex terrain. <b>2019</b> , 52, 3609-3629	12



833	Loss of predictive skill of indian summer monsoon rainfall in NCEP CFSv2 due to misrepresentation of Atlantic zonal mode. <b>2019</b> , 52, 4599-4619	10
832	Performance Evaluation of High-Resolution Land Data Assimilation System (HRLDAS) Over Indian Region. <b>2019</b> , 176, 389-407	3
831	Simulation of synoptic features during summer monsoon onset over GWB, India, with CFSv2 coupled model: skill and bias assessment. <b>2019</b> , 136, 1311-1323	1
830	Evaluation of multi-decadal UCLA-CFSv2 simulation and impact of interactive atmospheric-ocean feedback on global and regional variability. <b>2019</b> , 52, 3683-3707	8
829	On unravelling mechanism of interplay between cloud and large scale circulation: a grey area in climate science. <b>2019</b> , 52, 1547-1568	3
828	An Evaluation of the Impact of Assimilating AERI Retrievals, Kinematic Profilers, Rawinsondes, and Surface Observations on a Forecast of a Nocturnal Convection Initiation Event during the PECAN Field Campaign. <b>2019</b> , 147, 2739-2764	9
827	Hydrological mass variations in the Nile River Basin from GRACE and hydrological models. <b>2019</b> , 10, 430-438	10
826	Improvements in the forecasts of near-surface variables in the Global Forecast System (GFS) via assimilating ASCAT soil moisture retrievals. <b>2019</b> , 578, 124018	4
825	Impact of convective parameterization on the seasonal prediction skill of Indian summer monsoon. <b>2019</b> , 53, 6227-6243	11
824	Dynamic response of land-atmosphere-coupling parameters to precipitation in the sparse-vegetated Asian summer monsoon transition zone. <b>2019</b> , 78, 1	1
823	Analyzing Machine Learning Predictions of Passive Microwave Brightness Temperature Spectral Difference Over Snow-Covered Terrain in High Mountain Asia. <b>2019</b> , 7,	9
822	Hydrological Forecasts and Projections for Improved Decision-Making in the Water Sector in Europe. <b>2019</b> , 100, 2451-2472	22
821	A Spatial Pattern Analysis of Land Surface Roughness Heterogeneity and its Relationship to the Initiation of Weak Tornadoes. <b>2019</b> , 23, 1-28	1
820	Coupling of a physically based lake model into the climate forecast system to improve winter climate forecasts for the Great Lakes region. <b>2019</b> , 53, 6503-6517	3
819	Application of the Simple Biosphere Model 2 (SiB2) with Irrigation Module to a Typical Low-Hilly Red Soil Farmland and the Sensitivity Analysis of Modeled Energy Fluxes in Southern China. <b>2019</b> , 11, 1128	1
818	Parameter Sensitivity Analysis for Computationally Intensive Spatially Distributed Dynamical Environmental Systems Models. <b>2019</b> , 11, 2896-2909	10
817	Using Cosmic-Ray Neutron Probes in Validating Satellite Soil Moisture Products and Land Surface Models. <b>2019</b> , 11, 1362	14
816	A Joint Soil-Vegetation-Atmospheric Water Tagging Procedure With WRF-Hydro: Implementation and Application to the Case of Precipitation Partitioning in the Upper Danube River Basin. <b>2019</b> , 55, 6217-6243 <sup>17</sup>	

815	Diagnosing Moisture Sources for Flash Floods in the United States. Part II: Terrestrial and Oceanic Sources of Moisture. <b>2019</b> , 20, 1511-1531	8
814	Historical Drought Assessment Over the Contiguous United States Using the Generalized Complementary Principle of Evapotranspiration. <b>2019</b> , 55, 6244-6267	16
813	Aerosol Indirect Effects on the Predicted Precipitation in a Global Weather Forecasting Model. <b>2019</b> , 10, 392	5
812	Simulations of Monsoon Intraseasonal Oscillation Using Climate Forecast System Version 2: Insight for Horizontal Resolution and Moist Processes Parameterization. <b>2019</b> , 10, 429	2
811	Estimating High-Resolution Groundwater Storage from GRACE: A Random Forest Approach. <b>2019</b> , 6, 63	13
810	Recognizing the Famine Early Warning Systems Network: Over 30 Years of Drought Early Warning Science Advances and Partnerships Promoting Global Food Security. <b>2019</b> , 100, 1011-1027	55
809	Analysis of an extreme weather event in a hyper-arid region using WRF-Hydro coupling, station, and satellite data. <b>2019</b> , 19, 1129-1149	29
808	Towards a more reliable historical reanalysis: Improvements for version 3 of the Twentieth Century Reanalysis system. <b>2019</b> , 145, 2876-2908	204
807	Assessing urban drivers of canopy layer urban heat island: A numerical modeling approach. <b>2019</b> , 190, 103586	25
806	Decadal intensification of local thermal feedback of summer soil moisture over North China. <b>2019</b> , 138, 1563-1571	3
805	Features of the Deep Atmospheric Boundary Layer Over the Taklimakan Desert in the Summertime and its Influence on Regional Circulation. <b>2019</b> , 124, 12755-12772	4
804	Land-atmosphere interactions in the tropics â a review. <b>2019</b> , 23, 4171-4197	20
803	Multivariate Ensemble Sensitivity Analysis for Super Typhoon Haiyan (2013). <b>2019</b> , 147, 3467-3480	3
802	Acute Water-Scarcity Monitoring for Africa. <b>2019</b> , 11, 1968	17
801	NCA-LDAS: Overview and Analysis of Hydrologic Trends for the National Climate Assessment. <b>2019</b> , 20, 1595-1617	9
800	Origin of Strong Winds in an Explosive Mediterranean Extratropical Cyclone. <b>2019</b> , 147, 3649-3671	8
799	Evapotranspiration Estimation for Tibetan Plateau Headwaters Using Conjoint Terrestrial and Atmospheric Water Balances and Multisource Remote Sensing. <b>2019</b> , 55, 8608-8630	50
798	Simultaneous Assimilation of Radar and All-Sky Satellite Infrared Radiance Observations for Convection-Allowing Ensemble Analysis and Prediction of Severe Thunderstorms. <b>2019</b> , 147, 4389-4409	10

797	The Influence of Summer Deep Soil Temperature on Early Winter Snow Conditions in Eurasia in the NCEP CFSv2 Simulation. <b>2019</b> , 124, 9062-9077	6
796	Hydrometeor Lofting and Mesoscale Snowbands. <b>2019</b> , 147, 3879-3899	1
795	A Numerical Study on the Formation and Maintenance of a Long-Lived Rainband in Typhoon Longwang (2005). <b>2019</b> , 124, 10401-10426	4
794	Numerical Simulations of Seasonal Variations of Rainfall over the Island of Hawaii. <b>2019</b> , 58, 1219-1232	1
793	Improvements to the Assimilation of Doppler Radial Winds for Convection-Permitting Forecasts of a Heavy Rain Event. <b>2019</b> , 147, 3609-3632	2
792	Processes Associated with Convection Initiation in the North American Mesoscale Forecast System, Version 3 (NAMv3). <b>2019</b> , 34, 683-700	2
791	Ozone Monitoring Instrument (OMI) Total Column Water Vapor version 4 validation and applications. <b>2019</b> , 12, 5183-5199	11
790	Vertical Dependence of Horizontal Scaling Behavior of Orographic Wind and Moisture Fields in Atmospheric Models. <b>2019</b> , 6, 1957-1975	2
789	Evaluating Climate Change Impacts on Soil Moisture and Groundwater Resources Within a Lake-Affected Region. <b>2019</b> , 55, 8142-8163	20
788	Simulation of Chemical Transport by Typhoon Mireille (1991). <b>2019</b> , 124, 11614-11639	1
787	Impact of Rescaling Approaches in Simple Fusion of Soil Moisture Products. <b>2019</b> , 55, 7804-7825	6
786	Sensitivity of Numerical Simulations of Near-Surface Atmospheric Conditions to Snow Depth and Surface Albedo during an Ice Fog Event over Heber Valley. <b>2019</b> , 58, 797-811	6
785	Evaluation of Remotely-Sensed and Model-Based Soil Moisture Products According to Different Soil Type, Vegetation Cover and Climate Regime Using Station-Based Observations over Turkey. <b>2019</b> , 11, 1875	10
784	Accuracy of current Arctic springtime water vapour estimates, assessed by Raman lidar. <b>2019</b> , 145, 1234-1249	6
783	Extreme Orographic Rainfall in the Eastern Andes Tied to Cold Air Intrusions. <b>2019</b> , 7,	5
782	Evaluation and Intercomparison of Multiple Snow Water Equivalent Products over the Tibetan Plateau. <b>2019</b> , 20, 2043-2055	11
781	TKE-Based Moist Eddy-Diffusivity Mass-Flux (EDMF) Parameterization for Vertical Turbulent Mixing. <b>2019</b> , 34, 869-886	16
780	Evaluation of 2-m temperature and precipitation products of the Climate Forecast System version 2 over Iran. <b>2019</b> , 88, 101105	3

779	Evaluation of the effect of regional joint-control measures on changing photochemical transformation: a comprehensive study of the optimization scenario analysis. <b>2019</b> , 19, 9037-9060	14
778	Evaluation of twelve evapotranspiration products from machine learning, remote sensing and land surface models over conterminous United States. <b>2019</b> , 578, 124105	33
777	Predictive Skill and Predictable Patterns of the U.S. Seasonal Precipitation in CFSv2 Reforecasts of 60 Years (1958â2017). <b>2019</b> , 32, 8603-8637	13
776	Monsoon Mission: A Targeted Activity to Improve Monsoon Prediction across Scales. <b>2019</b> , 100, 2509-2532	34
775	Variational Assimilation of Radar Data and GLM Lightning-Derived Water Vapor for the Short-Term Forecasts of High-Impact Convective Events. <b>2019</b> , 147, 4045-4069	23
774	Evaluation of the subseasonal forecast skill of surface soil moisture in the S2S database. <b>2019</b> , 12, 467-474	2
773	An Open-Source Tool to Facilitate the Processing of GRACE Observations and GLDAS Outputs: An Evaluation in Bangladesh. <b>2019</b> , 7,	10
772	Multi-scale temporal variability in meltwater contributions in a tropical glacierized watershed. <b>2019</b> , 23, 405-425	15
771	The Use of HPC on Volcanic Tephra Dispersion Operational Forecast System. <b>2019</b> , 110-117	
770	Foreword. <b>2019</b> , x-xii	
769	Preface. <b>2019</b> , xiii-xv	
768	Earthâs Climate System. <b>2019</b> , 1-18	
767	Climate Analysis. <b>2019</b> , 19-39	
766	Climate Analysis. <b>2019</b> , 40-63	
765	Climate Variability. <b>2019</b> , 64-103	
764	Climate Change. <b>2019</b> , 104-126	
763	Temperature. <b>2019</b> , 127-144	
762	Precipitation. <b>2019</b> , 145-167	

761 Ocean Climate Datasets. **2019**, 168-188

760 Cryosphere. **2019**, 189-208

759 Land Component of the Climate System. **2019**, 209-233

758 Climate Models as Information Sources and Analysis Tools. **2019**, 234-249

757 Operational Climate Monitoring and Prediction. **2019**, 250-282

756 A Short Guide to Some Statistics Used in Climate Analysis. **2019**, 283-289

755 Vorticity/Divergence, Stream Function/Velocity Potential. **2019**, 290-291

754 Preliminary Examination of the Data. **2019**, 292-294

753 Components of the Mean Water Budget. **2019**, 295-296

752 Glossary. **2019**, 297-301

751 Index. **2019**, 328-342

750 Trends and Interannual Variability in Terrestrial Water Storage Over the Eastern United States, 2003–2016. **2019**, 55, 1928-1950 10

749 The IITM Earth System Model (ESM): Development and Future Roadmap. **2019**, 183-195 5

748 Determinants of the ratio of actual to potential evapotranspiration. **2019**, 25, 1326 21

747 Comparing the Performance of the Maximum Entropy Production Model With a Land Surface Scheme in Simulating Surface Energy Fluxes. **2019**, 124, 3279-3300 9

746 Pacific Ocean Forcing and Atmospheric Variability Are the Dominant Causes of Spatially Widespread Droughts in the Contiguous United States. **2019**, 124, 2507-2524 9

745 On the Use of NLDAS2 Weather Data for Hydrologic Modeling in the Upper Mississippi River Basin. **2019**, 11, 960 8

744 Impacts of Green Vegetation Fraction Derivation Methods on Regional Climate Simulations. **2019**, 10, 281 2

743	Regional and Global Land Data Assimilation Systems: Innovations, Challenges, and Prospects. <b>2019</b> , 33, 159-189	32
742	Application of Bayesian framework for evaluation of streamflow simulations using multiple climate models. <b>2019</b> , 574, 1110-1128	6
741	Seasonal temperatures and hydrological conditions improve the prediction of West Nile virus infection rates in Culex mosquitoes and human case counts in New York and Connecticut. <b>2019</b> , 14, e0217854	17
740	Extending the SMAP 9-km soil moisture product using a spatio-temporal fusion model. <b>2019</b> , 231, 111224	5
739	Object-based precipitation system bias in grey zone simulation: the 2016 South China Sea summer monsoon onset. <b>2019</b> , 53, 617-630	3
738	Constraining the Large-Scale Analysis of a Regional Rapid-Update-Cycle System for Short-Term Convective Precipitation Forecasting. <b>2019</b> , 124, 6949	4
737	Assessment and Reduction of the Physical Parameterization Uncertainty for Noah-MP Land Surface Model. <b>2019</b> , 55, 5518-5538	16
736	Quantifying Regional Fresh Submarine Groundwater Discharge With the Lumped Modeling Approach CoCa-RFSGD. <b>2019</b> , 55, 5321-5341	3
735	Toward Convective-Scale Prediction within the Next Generation Global Prediction System. <b>2019</b> , 100, 1225-1243	50
734	Analysis of Possible Triggering Mechanisms of Severe Thunderstorms in the Tropical Central Andes of Peru, Mantaro Valley. <b>2019</b> , 10, 301	13
733	Performance analysis of weather research and forecasting model for simulating near-surface optical turbulence over land. <b>2019</b> , 188, 225-232	6
732	Three-Dimensional Modelling of Precipitation Enhancement by Cloud Seeding in Three Different Climate Zones. <b>2019</b> , 10, 294	6
731	Analytical Propagation of Runoff Uncertainty Into Discharge Uncertainty Through a Large River Network. <b>2019</b> , 46, 8102-8113	8
730	Comparison of Several Numerical Methods for Fog Prediction. <b>2019</b> , 32, 193-201	1
729	Terrestrial water storage variations and their effect on polar motion. <b>2019</b> , 67, 17-39	9
728	Sensitivity of Low-Level Jets to Land-Use and Land-Cover Change over the Continental U.S.. <b>2019</b> , 10, 174	6
727	Intraseasonal and low frequency processes contributing to the December 2013 heat wave in Southern South America. <b>2019</b> , 53, 4977-4988	3
726	Geodetic and hydrological measurements reveal the recent acceleration of groundwater depletion in North China Plain. <b>2019</b> , 575, 1065-1072	46

725	ENSO-induced groundwater changes in India derived from GRACE and GLDAS. <b>2019</b> , 128, 1	17
724	Regional Snow Parameters Estimation for Large-Domain Hydrological Applications in the Western United States. <b>2019</b> , 124, 5296-5313	18
723	The Impact of Modified Fractional Cloud Condensate to Precipitation Conversion Parameter in Revised Simplified Arakawa-Schubert Convection Parameterization Scheme on the Simulation of Indian Summer Monsoon and Its Forecast Application on an Extreme Rainfall Event Over Mumbai. <b>2019</b> , 124, 5379-5399	7
722	Multiscale Applications of Two Online-Coupled Meteorology-Chemistry Models during Recent Field Campaigns in Australia, Part I: Model Description and WRF/Chem-ROMS Evaluation Using Surface and Satellite Data and Sensitivity to Spatial Grid Resolutions. <b>2019</b> , 10, 189	8
721	Impact of Boreal Summer Intra-Seasonal Oscillations on the Heavy Rainfall Events in Taiwan during the 2017 Meiyu Season. <b>2019</b> , 10, 205	2
720	Cognitive Biases about Climate Variability in Smallholder Farming Systems in Zambia. <b>2019</b> , 11, 369-383	18
719	The properties and genesis environments of South Atlantic cyclones. <b>2019</b> , 53, 4115-4140	26
718	Mathematical and numerical modelling of limestone dissolution. <b>2019</b> , 1-12	2
717	Explicit Prediction of Continental Convection in a Skillful Variable-Resolution Global Model. <b>2019</b> , 11, 1847-1869	4
716	Uncertainties in Evapotranspiration Estimates over West Africa. <b>2019</b> , 11, 892	15
715	An automated multi-model evapotranspiration mapping framework using remotely sensed and reanalysis data. <b>2019</b> , 229, 69-92	40
714	Potential Reemergence of Seasonal Soil Moisture Anomalies in North America. <b>2019</b> , 32, 2707-2734	14
713	Spatial Characteristics of Deep-Developed Boundary Layers and Numerical Simulation Applicability over Arid and Semi-Arid Regions in Northwest China. <b>2019</b> , 10, 195	0
712	Impact of Large-Scale Afforestation on Surface Temperature: A Case Study in the Kubuqi Desert, Inner Mongolia Based on the WRF Model. <b>2019</b> , 10, 368	3
711	Sensitivity analysis of raindrop size distribution parameterizations in WRF rainfall simulation. <b>2019</b> , 228, 1-13	14
710	Optimization of vertical grid setting for air quality modelling in China considering the effect of aerosol-boundary layer interaction. <b>2019</b> , 210, 1-13	15
709	Implementation of the Land Surface Processes into a Vector Vorticity Equation Model (VVM) to Study its Impact on Afternoon Thunderstorms over Complex Topography in Taiwan. <b>2019</b> , 55, 701-717	4
708	Multi-year surface radiative properties and vegetation parameters for hydrologic modeling in regions of complex terrain—Methodology and evaluation over the Integrated Precipitation and Hydrology Experiment 2014 domain. <b>2019</b> , 22, 100596	4



707	Effects of a multilayer snow scheme on the global teleconnections of the Indian summer monsoon. <b>2019</b> , 145, 1102-1117	3
706	Assessing land surface drying and wetting trends with a normalized soil water index on the Loess Plateau in 2001-2016. <b>2019</b> , 676, 120-130	7
705	Evaluation of summer monsoon climate predictions over the Indochina Peninsula using regional spectral model. <b>2019</b> , 23, 100195	6
704	Effect of Meteorological Variability on Fine Particulate Matter Simulations Over the Contiguous United States. <b>2019</b> , 124, 5669-5694	2
703	Evaluation of Land Surface Subprocesses and Their Impacts on Model Performance With Global Flux Data. <b>2019</b> , 11, 1329-1348	7
702	Seasonal and diurnal variability of planetary boundary layer height in Beijing: Intercomparison between MPL and WRF results. <b>2019</b> , 227, 1-13	23
701	Characterization of Air and Ground Temperature Relationships within the CMIP5 Historical and Future Climate Simulations. <b>2019</b> , 124, 3903-3929	18
700	What caused the extreme CO concentrations during the '2017 high-pollution episode in India?. <b>2019</b> , 19, 3433-3445	14
699	Correlation Analysis Between Groundwater Decline Trend and Human-Induced Factors in Bashang Region. <b>2019</b> , 11, 473	9
698	Updates to the Noah Land Surface Model in WRF-CMAQ to Improve Simulated Meteorology, Air Quality, and Deposition. <b>2019</b> , 11, 231-256	23
697	Assessing the Evolution of Soil Moisture and Vegetation Conditions during a Flash DroughtâFlash Recovery Sequence over the South-Central United States. <b>2019</b> , 20, 549-562	24
696	Impact of vortex size and Initialization on prediction of landfalling tropical cyclones over Bay of Bengal. <b>2019</b> , 224, 18-29	7
695	How Well Does an FV3-Based Model Predict Precipitation at a Convection-Allowing Resolution? Results From CAPS Forecasts for the 2018 NOAA Hazardous Weather Test Bed With Different Physics Combinations. <b>2019</b> , 46, 3523-3531	6
694	Climatological influence of Eurasian winter surface conditions on the Asian and Indo-Pacific summer circulation in the NCEP CFSv2 seasonal reforecasts. <b>2019</b> , 39, 3431-3453	5
693	How Much Water Is Evaporated Across California? A Multiyear Assessment Using a Biophysical Model Forced With Satellite Remote Sensing Data. <b>2019</b> , 55, 2722-2741	16
692	Investigating the Long-Term Spatial and Temporal Characteristics of Vegetative Drought in the Contiguous United States. <b>2019</b> , 12, 836-848	9
691	Land Surface Parameter and State Perturbations in the Global Ensemble Forecast System. <b>2019</b> , 147, 1319-1340	1
690	Multicase Assessment of the Impacts of Horizontal and Vertical Grid Spacing, and Turbulence Closure Model, on Subkilometer-Scale Simulations of Atmospheric Bores during PECAN. <b>2019</b> , 147, 1533-1555	7

689	Formation and Evolution Mechanisms for Two Extreme Haze Episodes in the Yangtze River Delta Region of China During Winter 2016. <b>2019</b> , 124, 3607-3623	27
688	Understanding the Impacts of Soil Moisture Initial Conditions on NWP in the Context of Land-Atmosphere Coupling. <b>2019</b> , 20, 793-819	26
687	On Producing Reliable and Affordable Numerical Weather Forecasts on Public Cloud-Computing Infrastructure. <b>2019</b> , 36, 491-509	1
686	Multiscale Processes Enabling the Longevity and Daytime Persistence of a Nocturnal Mesoscale Convective System. <b>2019</b> , 147, 733-761	4
685	Diurnal cycle of coastal anthropogenic pollutant transport over southern West Africa during the DACCWA campaign. <b>2019</b> , 19, 473-497	18
684	Dependence on initial conditions versus model formulations for medium-range forecast error variations. <b>2019</b> , 145, 2085-2100	5
683	Spatiotemporal Variations of Ambient Concentrations of Trace Elements in a Highly Polluted Region of China. <b>2019</b> , 124, 4186-4202	16
682	The 'El Niño' event of 2015-2016: climate anomalies and their impact on groundwater resources in East and Southern Africa. <b>2019</b> , 23, 1751-1762	36
681	Do Uncertainties in the Reconstruction of Land Cover Affect the Simulation of Air Temperature and Rainfall in the CORDEX Region of East Asia?. <b>2019</b> , 124, 3647-3670	10
680	Land Surface Hydrological Models. <b>2019</b> , 437-477	
679	Assessment of Spatiotemporal Variability of Evapotranspiration and Its Governing Factors in a Mountainous Watershed. <b>2019</b> , 11, 243	14
678	The Weather Research and Forecasting Model with Aerosol-Cloud Interactions (WRF-ACI): Development, Evaluation, and Initial Application. <b>2019</b> , 147, 1491-1511	11
677	Implementation of snow albedo schemes of varying complexity and their performances in offline Noah and Noah coupled with NCEP CFSv2. <b>2019</b> , 53, 1261-1276	3
676	On the Information Content of Cosmic-Ray Neutron Data in the Inverse Estimation of Soil Hydraulic Properties. <b>2019</b> , 18, 1-24	17
675	The role of air-sea coupling in the downscaled hydroclimate projection over Peninsular Florida and the West Florida Shelf. <b>2019</b> , 53, 2931-2947	2
674	Sea-Salt Aerosol Effects on the Simulated Microphysics and Precipitation in a Tropical Cyclone. <b>2019</b> , 33, 115-125	5
673	Combining Physically Based Modeling and Deep Learning for Fusing GRACE Satellite Data: Can We Learn From Mismatch?. <b>2019</b> , 55, 1179-1195	63
672	Evaluation of Indian Summer Monsoon Rainfall Using the NCEP Global Model: An SST Impact Study. <b>2019</b> , 176, 3697-3715	1

671	A coupled ocean-atmosphere downscaled climate projection for the peninsular Florida region. <b>2019</b> , 194, 25-40	3
670	Integration of GRACE Data for Improvement of Hydrological Models. <b>2019</b> , 1-22	
669	Modeling of GRACE-Derived Groundwater Information in the Colorado River Basin. <b>2019</b> , 6, 19	25
668	Numerical Weather Prediction Basics: Models, Numerical Methods, and Data Assimilation. <b>2019</b> , 67-97	4
667	Preface. <b>2019</b> , xiii-xiv	
666	Terrestrial Biosphere Models. <b>2019</b> , 1-24	2
665	Quantitative Description of Ecosystems. <b>2019</b> , 25-39	
664	Fundamentals of Energy and Mass Transfer. <b>2019</b> , 40-52	
663	Mathematical Formulation of Biological Flux Rates. <b>2019</b> , 53-63	
662	Soil Temperature. <b>2019</b> , 64-79	0
661	Turbulent Fluxes and Scalar Profiles in the Surface Layer. <b>2019</b> , 80-100	1
660	Surface Energy Fluxes. <b>2019</b> , 101-114	0
659	Soil Moisture. <b>2019</b> , 115-133	
658	Hydrologic Scaling and Spatial Heterogeneity. <b>2019</b> , 134-151	
657	Leaf Temperature and Energy Fluxes. <b>2019</b> , 152-166	
656	Leaf Photosynthesis. <b>2019</b> , 167-188	0
655	Stomatal Conductance. <b>2019</b> , 189-212	1
654	Plant Hydraulics. <b>2019</b> , 213-227	2

653	Radiative Transfer. <b>2019</b> , 228-259	0
652	Plant Canopies. <b>2019</b> , 260-279	
651	Scalar Canopy Profiles. <b>2019</b> , 280-300	
650	Biogeochemical Models. <b>2019</b> , 301-321	
649	Soil Biogeochemistry. <b>2019</b> , 322-343	
648	Vegetation Demography. <b>2019</b> , 344-364	
647	Canopy Chemistry. <b>2019</b> , 365-380	
646	Appendices. <b>2019</b> , 381-390	
645	References. <b>2019</b> , 391-428	1
644	Index. <b>2019</b> , 429-438	
643	A Global/Regional Integrated Model System-Chemistry Climate Model: 1. Simulation Characteristics. <b>2019</b> , 6, 2016-2030	3
642	Evaluation of Seasonal Water Budget Components Over the Major Drainage Basins of North America Using an Ensemble-Based Land Surface Model Approach. <b>2019</b> ,	
641	Experiments on lightning data assimilation: preliminary results. <b>2019</b> , 698, 044038	1
640	The Causes of "Vulnerable Regions" to Air Pollution in Winter in the Beijing-Tianjin-Hebei Region: A Topographic-Meteorological Impact Model Based on Adaptive Emission Constraint Technique. <b>2019</b> , 10, 719	2
639	Analysis of Groundwater and Total Water Storage Changes in Poland Using GRACE Observations, In-situ Data, and Various Assimilation and Climate Models. <b>2019</b> , 11, 2949	6
638	Mapping of Snow Depth by Blending Satellite and In-Situ Data Using Two-Dimensional Optimal Interpolation—Application to AMSR2. <b>2019</b> , 11, 3049	3
637	Snow-Covered Area Retrieval from Himawari's AHI Imagery of the Tibetan Plateau. <b>2019</b> , 11, 2391	3
636	Organization of dust storms and synoptic-scale transport of dust by Kelvin waves. <b>2019</b> , 10, 651-666	1

635	Impact of Sea Breeze Circulation on the Transport of Ship Emissions in Tangshan Port, China. <b>2019</b> , 10, 723	10
634	Effects of sea salt aerosols on precipitation and upper troposphere/lower stratosphere water vapour in tropical cyclone systems. <b>2019</b> , 9, 15105	3
633	Watershed Reactive Transport. <b>2019</b> , 85, 381-418	18
632	Understanding Terrestrial Water Storage Declining Trends in the Yellow River Basin. <b>2019</b> , 124, 12963-12984	13
631	Influence of Land Cover and Soil Moisture based Brown Ocean Effect on an Extreme Rainfall Event from a Louisiana Gulf Coast Tropical System. <b>2019</b> , 9, 17136	5
630	Impact of Increased Vertical Resolution on Medium-Range Forecasts in a Global Atmospheric Model. <b>2019</b> , 147, 4091-4106	2
629	The Role of Gravity Wave Breaking in a Case of Upper-Level Near-Cloud Turbulence. <b>2019</b> , 147, 4567-4588	3
628	Assessment of simulated soil moisture from WRF Noah, Noah-MP, and CLM land surface schemes for landslide hazard application. <b>2019</b> , 23, 4199-4218	18
627	Lower-Tropospheric Influences on the Timing and Intensity of Afternoon Severe Convection over Modest Terrain in a Convection-Allowing Ensemble. <b>2019</b> , 34, 1633-1656	1
626	Assimilating GRACE Into a Land Surface Model in the Presence of an Irrigation-Induced Groundwater Trend. <b>2019</b> , 55, 11274-11294	24
625	Diurnal Effects of Regional Soil Moisture Anomalies on the Great Plains Low-Level Jet. <b>2019</b> , 147, 4611-4631	2
624	Forecasts of MJO Events during DYNAMO with a Coupled Atmosphere-Ocean Model: Sensitivity to Cumulus Parameterization Scheme. <b>2019</b> , 33, 1016-1030	1
623	A comprehensive analysis of interseasonal and interannual energy and water balance dynamics in semiarid shrubland and forest ecosystems. <b>2019</b> , 651, 381-398	5
622	Assessing Seasonal Predictability Sources and Windows of High Predictability in the Climate Forecast System, Version 2. <b>2019</b> , 32, 1307-1326	3
621	Performance of the Wind Farm Parameterization Scheme Coupled with the Weather Research and Forecasting Model under Multiple Resolution Regimes for Simulating an Onshore Wind Farm. <b>2019</b> , 36, 119-132	9
620	Role of Lateral Terrestrial Water Flow on the Regional Water Cycle in a Complex Terrain Region: Investigation With a Fully Coupled Model System. <b>2019</b> , 124, 507-529	31
619	Projected Changes in Multi-day Extreme Precipitation Over the Western Balkan Region. <b>2019</b> , 15-28	1
618	L-band remote-sensing increases sampled levels of global soil moisture-air temperature coupling strength. <b>2019</b> , 220, 51-58	10

617	Simulating Climate Change Impacts on Surface Water Resources Within a Lake-Affected Region Using Regional Climate Projections. <b>2019</b> , 55, 130-155	30
616	Biases in Model-Simulated Surface Energy Fluxes During the Indian Monsoon Onset Period. <b>2019</b> , 170, 323-348	9
615	Variations in soil temperature from 1980 to 2015 in permafrost regions on the Qinghai-Tibetan Plateau based on observed and reanalysis products. <b>2019</b> , 337, 893-905	49
614	Study on the relationship between urban land sprawl extension and urban thermal environmentâTaking Wuhan city as an example. <b>2019</b> , 137, 1135-1148	3
613	Costs and consequences of wind turbine wake effects arising from uncoordinated wind energy development. <b>2019</b> , 4, 26-34	81
612	GRAMAT: a comprehensive Matlab toolbox for estimating global mass variations from GRACE satellite data. <b>2019</b> , 12, 389-404	17
611	Stochastically Perturbed Parameterizations in an HRRR-Based Ensemble. <b>2019</b> , 147, 153-173	19
610	Evaluation of physical parameterizations for atmospheric river induced precipitation and application to long-term reconstruction based on three reanalysis datasets in Western Oregon. <b>2019</b> , 658, 570-581	6
609	Impact of the Sea Surface Salinity on Simulated Precipitation in a Global Numerical Weather Prediction Model. <b>2019</b> , 124, 719-730	5
608	An Intercomparison of Noah Model Skills With Benefits of Assimilating SMOPS Blended and Individual Soil Moisture Retrievals. <b>2019</b> , 55, 2572-2592	18
607	A Monte Carlo-based multi-objective optimization approach to merge different precipitation estimates for land surface modeling. <b>2019</b> , 570, 454-462	16
606	Contribution of Recycling of Surface Precipitation to Landfalling Tropical Cyclone Rainfall: A Modeling Study for Typhoon Utor (2013). <b>2019</b> , 124, 870-885	7
605	The Value of SMAP for Long-Term Soil Moisture Estimation With the Help of Deep Learning. <b>2019</b> , 57, 2221-2233	34
604	References. <b>2019</b> , 483-556	
603	Genesis and track prediction of pre-monsoon cyclonic storms over North Indian Ocean in a multi-model ensemble framework. <b>2019</b> , 95, 823-843	5
602	Biases in the Tropical Indian Ocean subsurface temperature variability in a coupled model. <b>2019</b> , 52, 5325-5344	2
601	Land Surface Processes Relevant to Sub-seasonal to Seasonal (S2S) Prediction. <b>2019</b> , 165-181	9
600	Impacts of a newly-developed aerosol climatology on numerical weather prediction using a global atmospheric forecasting model. <b>2019</b> , 197, 77-91	7

599	Seasonal climate and the onset of the rainy season in western-central Brazil simulated by Global Eta Framework model. <b>2019</b> , 39, 1429-1445	1
598	Thermal tolerance limits as indicators of current and future intertidal zonation patterns in a diverse mussel guild. <b>2019</b> , 166, 1	14
597	Subdaily to Seasonal Change of Surface Energy and Water Flux of the Haihe River Basin in China: Noah and Noah-MP Assessment. <b>2019</b> , 36, 79-92	1
596	Remote detection of human-induced evapotranspiration in a regional system experiencing increased anthropogenic demands and extreme climatic variability. <b>2019</b> , 40, 1887-1908	6
595	Impact of high resolution sea surface temperature on tropical cyclone characteristics over the Bay of Bengal using model simulations. <b>2019</b> , 26, 130-139	11
594	NCA-LDAS Land Analysis: Development and Performance of a Multisensor, Multivariate Land Data Assimilation System for the National Climate Assessment. <b>2019</b> , 20, 1571-1593	44
593	Understanding the role of moisture transport on the dry bias in indian monsoon simulations by CFSv2. <b>2019</b> , 52, 637-651	7
592	Evaluating the applicability of using daily forecasts from seasonal prediction systems (SPSs) for agriculture: a case study of Nepalâ Terai with the NCEP CFSv2. <b>2019</b> , 135, 1143-1156	4
591	Surrogate modeling and risk-based analysis for solute transport simulations. <b>2019</b> , 33, 1907-1921	
590	Spatiotemporal soil moisture variations associated with hydro-meteorological factors over the Yarlung Zangbo River basin in Southeast Tibetan Plateau. <b>2020</b> , 40, 188-206	9
589	Effects of land surface inhomogeneity on convection-permitting WRF simulations over central Europe. <b>2020</b> , 132, 53-69	6
588	Rainfall forecasting skill of GFS model at T1534 and T574 resolution over India during the monsoon season. <b>2020</b> , 132, 35-52	5
587	Evaluation and projected changes of precipitation statistics in convection-permitting WRF climate simulations over Central Europe. <b>2020</b> , 55, 325-341	34
586	Hindcast of extreme rainfall with high-resolution WRF: model ability and effect of physical schemes. <b>2020</b> , 139, 639-658	4
585	Statistical characterization of frost zones: Case of tea freeze damage in the Kenyan highlands. <b>2020</b> , 84, 101971	9
584	Application of GRACE to the estimation of groundwater storage change in a data-poor region: A case study of Ngadda catchment in the Lake Chad Basin. <b>2020</b> , 34, 941-955	9
583	Role of cloud microphysics in improved simulation of the Asian monsoon quasi-biweekly mode (QBM). <b>2020</b> , 54, 599-614	1
582	WRF model assessment for wind intensity and power density simulation in the southern coast of Brazil. <b>2020</b> , 190, 116341	5



581	Monitoring and Predicting Agricultural Droughts for a Water-Limited Subcontinental Region by Integrating a Land Surface Model and Microwave Remote Sensing. <b>2020</b> , 58, 14-33	3
580	Evaluation of regional climate model simulated rainfall over Indonesia and its application for downscaling future climate projections. <b>2020</b> , 40, 2026-2047	4
579	Multi-Scale Hydrologic Sensitivity to Climatic and Anthropogenic Changes in Northern Morocco. <b>2020</b> , 10, 13	12
578	Differences in Northward Propagation of Convection Over the Arabian Sea and Bay of Bengal During Boreal Summer. <b>2020</b> , 125, e2019JD031648	7
577	Subseasonal Forecast Skill of Snow Water Equivalent and Its Link with Temperature in Selected SubX Models. <b>2020</b> , 35, 273-284	2
576	Crucial role of natural processes in detecting human influence on evapotranspiration by multisource data analysis. <b>2020</b> , 580, 124350	5
575	Meteorological modeling relevant to mesoscale and regional air quality applications: a review. <b>2020</b> , 70, 2-43	10
574	Improved method of visibility parameterization focusing on high humidity and aerosol concentrations during fogâhaze events: Application in the GRAPES_CAUCE model in Jing-Jin-Ji, China. <b>2020</b> , 222, 117139	7
573	Integrating remote sensing data with WRF model for improved 2-m temperature and humidity simulations in China. <b>2020</b> , 89, 101127	13
572	Passive Microwave Precipitation Retrieval Algorithm With \$A~Priori\$ Databases of Various Cloud Microphysics Schemes: Tropical Cyclone Applications. <b>2020</b> , 58, 2366-2382	2
571	A study of ensemble-sensitivity-based initial condition perturbation methods for convection-permitting ensemble forecasts. <b>2020</b> , 234, 104741	1
570	Sensitivity study of the planetary boundary layer and microphysical schemes to the initialization of convection over the Arabian Peninsula. <b>2020</b> , 146, 846-869	17
569	Sensitivity of climate models in relation to the âpool of inhibited cloudinessâ over South of the Bay of Bengal. <b>2020</b> , 40, 3714-3730	2
568	Regional climate models: 30 years of dynamical downscaling. <b>2020</b> , 235, 104785	35
567	Assessing snow simulation performance of typical combination schemes within Noah-MP in northern Xinjiang, China. <b>2020</b> , 581, 124380	5
566	Wave Disturbances and Their Role in the Maintenance, Structure, and Evolution of a Mesoscale Convection System. <b>2020</b> , 77, 51-77	8
565	A Meteorological Study of the Port Hills Fire, Christchurch, New Zealand. <b>2020</b> , 59, 263-280	0
564	Application of NASA-Unified WRF model to carbon dioxide simulation- model development and evaluation. <b>2020</b> , 132, 104785	1

563	The role of bias correction on subseasonal prediction of Arctic sea ice during summer 2018. <b>2020</b> , 39, 50-59	0
562	Downscaling of climate extremes over South America âPart I: Model evaluation in the reference climate. <b>2020</b> , 29, 100273	9
561	Uncertainty analysis of radar rainfall estimates induced by atmospheric conditions using long short-term memory networks. <b>2020</b> , 590, 125482	4
560	E-DATA: A Comprehensive Field Campaign to Investigate Evaporation Enhanced by Advection in the Hyper-Arid Altiplano. <b>2020</b> , 12, 745	5
559	The relationship between the daily dominant monsoon modes of South Asia and SST. <b>2020</b> , 142, 59-70	2
558	Deforestation Impacts on Orographic Precipitation in the Tropical Andes. <b>2020</b> , 8,	2
557	The Met Office Operational Soil Moisture Analysis System. <b>2020</b> , 12, 3691	7
556	Monitoring of Ground Movement and Groundwater Changes in London Using InSAR and GRACE. <b>2020</b> , 10, 8599	5
555	GFDL SHiELD: A Unified System for Weather-to-Seasonal Prediction. <b>2020</b> , 12, e2020MS002223	10
554	Assessment of WRF Land Surface Model Performance over West Africa. <b>2020</b> , 2020, 1-30	2
553	Impact of AERI Temperature and Moisture Retrievals on the Simulation of a Central Plains Severe Convective Weather Event. <b>2020</b> , 11, 729	3
552	Numerical wave modeling for operational and survival analyses of wave energy converters at the US Navy Wave Energy Test Site in Hawaii. <b>2020</b> , 161, 240-256	9
551	WRF wind field assessment under multiple forcings using spatialized aircraft data. <b>2020</b> , 27, e1920	
550	WRF-TEB: Implementation and Evaluation of the Coupled Weather Research and Forecasting (WRF) and Town Energy Balance (TEB) Model. <b>2020</b> , 12, e2019MS001961	10
549	Drivers of regional soil water storage memory and persistence. <b>2020</b> , 19, e20050	3
548	Weather Effects of Aerosols in the Global Forecast Model. <b>2020</b> , 11, 850	2
547	Atmospheric Dynamics of a Saharan Dust Outbreak Over Mindelo, Cape Verde Islands, Preceded by Rossby Wave Breaking: Multiscale Observational Analyses and Simulations. <b>2020</b> , 125, e2020JD032975	1
546	A Hydrodynamical Atmosphere/Ocean Coupled Modeling System for Multiple Tropical Cyclones. <b>2020</b> , 11, 869	2

545	An Updated Synoptic Climatology of Lake Erie and Lake Ontario Heavy Lake-Effect Snow Events. <b>2020</b> , 11, 872	5
544	Mesoscale Model Simulation of a Severe Summer Thunderstorm in The Netherlands: Performance and Uncertainty Assessment for Parameterised and Resolved Convection. <b>2020</b> , 11, 811	4
543	Impacts of tiled land cover characterization in the Model for Prediction Across Scales-Atmosphere (MPAS-A). <b>2020</b> , 125, e2019JD032093	1
542	Topographic Controls on the Distribution of Summer Monsoon Precipitation over South Asia. <b>2020</b> , 4, 667-683	7
541	Potential of GPM IMERG Precipitation Estimates to Monitor Natural Disaster Triggers in Urban Areas: The Case of Rio de Janeiro, Brazil. <b>2020</b> , 12, 4095	7
540	The Influence of Subsurface Conditions on the Spatial and Temporal Variability of Tropical SST and Rainfall in CFSv2 Reforecasts. <b>2020</b> , 125, e2020JC016296	1
539	Soil moisture evaluation over the Argentine Pampas using models, satellite estimations and in-situ measurements. <b>2020</b> , 31, 100723	8
538	Quantifying the Impact of Excess Moisture From Transpiration From Crops on an Extreme Heat Wave Event in the Midwestern U.S.: A Top-Down Constraint From Moderate Resolution Imaging Spectroradiometer Water Vapor Retrieval. <b>2020</b> , 125, e2019JD031941	3
537	The fidelity of a regional coupled model in capturing the relationship between intraseasonal variability and the onset/demise of the Indian summer monsoon. <b>2020</b> , 54, 4693-4710	0
536	Assessment of drought condition using remotely sensed drought severity index and its correlations with soil moisture product in Inner Mongolia. <b>2020</b> , 141, 715-728	1
535	Prediction Skill of the 2012 U.S. Great Plains Flash Drought in Subseasonal Experiment (SubX) Models. <b>2020</b> , 33, 6229-6253	9
534	Evaluation and validation of a high spatial resolution satellite soil moisture product over the Continental United States. <b>2020</b> , 588, 125043	20
533	Quantifying Contributions of Uncertainties in Physical Parameterization Schemes and Model Parameters to Overall Errors in Noah-MP Dynamic Vegetation Modeling. <b>2020</b> , 12, e2019MS001914	2
532	The pantropical response of soil moisture to El Niño. <b>2020</b> , 24, 2303-2322	7
531	Air quality changes during the COVID-19 lockdown over the Yangtze River Delta Region: An insight into the impact of human activity pattern changes on air pollution variation. <b>2020</b> , 732, 139282	262
530	Remote sensing data assimilation. <b>2020</b> , 1-33	5
529	Experiments on Lightning Detection Network Data Assimilation. <b>2020</b> , 33, 219-228	2
528	Efficient Model-Data Integration for Flexible Modeling, Parameter Analysis and Visualization, and Data Management. <b>2020</b> , 2,	1

527	An Evaluation Study of the Fully Coupled WRF/WRF-Hydro Modeling System for Simulation of Storm Events with Different Rainfall Evenness in Space and Time. <b>2020</b> , 12, 1209	5
526	Regional landscape futures to moderate projected climate change: a case study in the agro-pastoral transitional zone of North China. <b>2020</b> , 20, 1	1
525	Inter-comparison of evapotranspiration datasets over heterogeneous landscapes across Australia. <b>2020</b> , 66, 533-545	19
524	Evaluation of NU-WRF model performance on air quality simulation under various model resolutions – an investigation within the framework of MICS-Asia Phase III. <b>2020</b> , 20, 2319-2339	8
523	The Evaluation of Real-Time Hurricane Analysis and Forecast System (HAFS) Stand-Alone Regional (SAR) Model Performance for the 2019 Atlantic Hurricane Season. <b>2020</b> , 11, 617	9
522	Response of the Arthropod Community to Soil Characteristics and Management in the Franciacorta Viticultural Area (Lombardy, Italy). <b>2020</b> , 10, 740	8
521	Technical Note: Evaluation of the skill in monthly-to-seasonal soil moisture forecasting based on SMAP satellite observations over the southeastern US. <b>2020</b> , 24, 1073-1079	
520	A 10-Yr Global Land Surface Reanalysis Interim Dataset (CRA-Interim/Land): Implementation and Preliminary Evaluation. <b>2020</b> , 34, 101-116	11
519	Irrigation impact on precipitation during a heatwave event using WRF-ARW: The summer 2015 Po Valley case. <b>2020</b> , 241, 104951	2
518	Evaluation of Global Water Resources Reanalysis Products in the Upper Blue Nile River Basin. <b>2020</b> , 21, 935-952	6
517	Simulating coupled surface–subsurface flows with ParFlow v3.5.0: capabilities, applications, and ongoing development of an open-source, massively parallel, integrated hydrologic model. <b>2020</b> , 13, 1373-1397 <sup>28</sup>	
516	Effect of spring soil moisture over the Indo-China Peninsula on the following summer extreme precipitation events over the Yangtze River basin. <b>2020</b> , 54, 3845-3861	7
515	A comprehensive evaluation of soil moisture and soil temperature from third-generation atmospheric and land reanalysis data sets. <b>2020</b> , 40, 5744-5766	32
514	Building a landslide hazard indicator with machine learning and land surface models. <b>2020</b> , 129, 104692	15
513	Evaluation of Simulated Drop Size Distributions and Microphysical Processes Using Polarimetric Radar Observations for Landfalling Typhoon Matmo (2014). <b>2020</b> , 125, e2019JD031527	8
512	Sensitivity of Wind Turbine Array Downstream Effects to the Parameterization Used in WRF. <b>2020</b> , 59, 333-361	13
511	Impact of Surface Albedo Assimilation on Snow Estimation. <b>2020</b> , 12, 645	11
510	Biomass-burning-induced surface darkening and its impact on regional meteorology in eastern China. <b>2020</b> , 20, 6177-6191	3

509	Forcing ocean model with atmospheric model outputs to simulate storm surge in the Bangladesh coast. <b>2020</b> , 9, 117-134	4
508	Improved Simulation of Monsoon Depressions and Heavy Rains From Direct and Indirect Initialization of Soil Moisture Over India. <b>2020</b> , 125, e2020JD032400	3
507	Urban heat island circulations over the Beijing-Tianjin region under calm and fair conditions. <b>2020</b> , 180, 107063	6
506	Demonstrating a High-Resolution Gulf of Alaska Ocean Circulation Model Forced Across the Coastal Interface by High-Resolution Terrestrial Hydrological Models. <b>2020</b> , 125, e2019JC015724	7
505	Assessing water storage changes of Lake Poyang from multi-mission satellite data and hydrological models. <b>2020</b> , 590, 125229	13
504	Impact of revegetation of the Loess Plateau of China on the regional growing season water balance. <b>2020</b> , 24, 515-533	35
503	The NASA Hydrological Forecast System for Food and Water Security Applications. <b>2020</b> , 101, E1007-E1025	15
502	Comparison of modeled snow properties in Afghanistan, Pakistan, and Tajikistan. <b>2020</b> , 14, 331-347	4
501	South Asian monsoon response to weakening of Atlantic meridional overturning circulation in a warming climate. <b>2020</b> , 54, 3507-3524	5
500	Evaluation of Different Heat Flux Products Over the Tropical Indian Ocean. <b>2020</b> , 7, e2019EA000988	9
499	Improvement of operational airborne gamma radiation snow water equivalent estimates using SMAP soil moisture. <b>2020</b> , 240, 111668	2
498	Underlying Fundamentals of Kalman Filtering for River Network Modeling. <b>2020</b> , 21, 453-474	5
497	ComDA: A common software for nonlinear and Non-Gaussian Land Data Assimilation. <b>2020</b> , 127, 104638	8
496	Can Terrestrial Water Storage Dynamics be Estimated From Climate Anomalies?. <b>2020</b> , 7, e2019EA000959	6
495	Stepwise Assessment of Different Saltation Theories in Comparison with Field Observation Data. <b>2020</b> , 11, 10	2
494	Spatial and temporal variations in soil temperatures over the Qinghai-Tibet Plateau from 1980 to 2017 based on reanalysis products. <b>2020</b> , 140, 1055-1069	5
493	Regional Climate Impacts of Irrigation in Northern Italy Using a High Resolution Model. <b>2020</b> , 11, 72	1
492	Characterization of the hydro-geological regime of Yangtze River basin using remotely-sensed and modeled products. <b>2020</b> , 718, 137354	20

491	Spatiotemporal vegetation response to extreme droughts in eastern Brazil. <b>2020</b> , 18, 100294	2
490	Synoptic and meteorological conditions during extreme snow cover ablation events in the Great Lakes Basin. <b>2020</b> , 34, 1949-1965	1
489	The most predictable patterns and prediction skills of subseasonal prediction of rainfall over the Indo-Pacific regions by the NCEP Climate Forecast System. <b>2020</b> , 54, 2759-2775	2
488	Impact of land surface physics on the simulation of boundary layer characteristics at a tropical coastal station. <b>2020</b> , 238, 104888	6
487	Spatio-Temporal Variations in Groundwater Revealed by GRACE and Its Driving Factors in the Huang-Huai-Hai Plain, China. <b>2020</b> , 20,	14
486	Evaluation of Evapotranspiration for Exorheic Catchments of China during the GRACE Era: From a Water Balance Perspective. <b>2020</b> , 12, 511	26
485	Impact of horizontal resolution on sea surface temperature bias and air-sea interactions over the tropical Indian Ocean in CFSv2 coupled model. <b>2020</b> , 40, 4903-4921	1
484	Simulated and observed air temperature trends in the eastern Adriatic. <b>2020</b> , 21, e951	0
483	Analysis of an Ensemble of High-Resolution WRF Simulations for the Rapid Intensification of Super Typhoon Rammasun (2014). <b>2020</b> , 37, 187-210	2
482	The Urban Heat Footprint (UHF)—a new unified climatic and statistical framework for urban warming. <b>2020</b> , 140, 359-374	2
481	Examining the impacts of future land use/land cover changes on climate in Punjab province, Pakistan: implications for environmental sustainability and economic growth. <b>2020</b> , 27, 25415-25433	12
480	Urban irrigation in the modeling of a semi-arid urban environment: Ballona Creek watershed, Los Angeles, California. <b>2020</b> , 65, 1344-1357	1
479	Improving US extreme precipitation simulation: sensitivity to physics parameterizations. <b>2020</b> , 54, 4891-4918	10
478	A Sensitivity Study of High-Resolution Climate Simulations for Greece. <b>2020</b> , 8, 44	10
477	Downscaling projections of climate change in Sao Tome and Principe Islands, Africa. <b>2020</b> , 54, 4021-4042	5
476	Modeling of evapotranspiration changes with forest management practices: A genealogical review. <b>2020</b> , 585, 124835	8
475	Understanding the re-infiltration process to simulating streamflow in North Central Texas using the WRF-hydro modeling system. <b>2020</b> , 587, 124902	3
474	. <b>2020</b> , 8, 65327-65339	8

473	A Hybrid Precipitation Index Inspired by the SPI, PDSI, and MCDI. Part I: Development of the Index. <b>2020</b> , 21, 1945-1976	3
472	Integrating groundwater irrigation into hydrological simulation of India: Case of improving model representation of anthropogenic water use impact using GRACE. <b>2020</b> , 29, 100681	7
471	Appraisal of Data Assimilation Techniques for Dynamical Downscaling of the Structure and Intensity of Tropical Cyclones. <b>2020</b> , 7, e2019EA000945	5
470	Assessing Noah-MP Parameterization Sensitivity and Uncertainty Interval Across Snow Climates. <b>2020</b> , 125, e2019JD030417	10
469	Strength of Linkages Between Dust and Circulation Over North Africa: Results From a Coupled Modeling System With Active Dust. <b>2020</b> , 125, e2019JD030961	1
468	Cumulative Influence of Summer Subsurface Soil Temperature on North America Surface Temperature in the CFSv2. <b>2020</b> , 125, e2019JD031899	2
467	Drought characterization using the Combined Terrestrial Evapotranspiration Index over the Indus, Ganga and Brahmaputra river basins. <b>2020</b> , 1-25	6
466	Large contribution from anthropogenic warming to an emerging North American megadrought. <b>2020</b> , 368, 314-318	230
465	Applying Satellite Data Assimilation to Wind Simulation of Coastal Wind Farms in Guangdong, China. <b>2020</b> , 12, 973	0
464	The Saharan convective boundary layer structure over large scale surface heterogeneity: A large eddy simulation study. <b>2021</b> , 248, 105250	1
463	Drivers for the poor air quality conditions in North China Plain during the COVID-19 outbreak. <b>2021</b> , 246, 118103	28
462	Vegetation-heatwave correlations and contrasting energy exchange responses of different vegetation types to summer heatwaves in the Northern Hemisphere during the 1982â2011 period. <b>2021</b> , 296, 108208	9
461	Irrigation Water Demand Sensitivity to Climate Variability Across the Contiguous United States. <b>2021</b> , 57, 2020WR027738	6
460	Rising surface ozone in China from 2013 to 2017: A response to the recent atmospheric warming or pollutant controls?. <b>2021</b> , 246, 118130	10
459	Effects of using different urban parametrization schemes and land-cover datasets on the accuracy of WRF model over the City of Ottawa. <b>2021</b> , 35, 100737	5
458	Gain of one-month lead time in seasonal prediction of Indian summer monsoon prediction: comparison of initialization strategies. <b>2021</b> , 143, 1083-1096	0
457	GRACE reveals depletion of water storage in northwestern South America between ENSO extremes. <b>2021</b> , 596, 125687	3
456	High-resolution dynamically downscaled rainfall and temperature projections for ecological life zones within Puerto Rico and for the US Virgin Islands. <b>2021</b> , 41, 1305-1327	3



455	Soil Moisture Responses Associated with Significant Tropical Cyclone Rainfall Events. 1-17	1
454	Topographic Effect on Heavy Rainfall Caused by Typhoon Hagibis (2019) in Nagano, Japan. <b>2021</b> , 17A, 45-50	1
453	Developing a hydrological monitoring and sub-seasonal to seasonal forecasting system for South and Southeast Asian river basins. <b>2021</b> , 25, 41-61	3
452	Multi-Scale and Multi-Depth Validation of Soil Moisture From the China Land Data Assimilation System. <b>2021</b> , 1-1	3
451	Soil Moisture Responses Associated with Significant Tropical Cyclone Rainfall Events. 1-17	
450	Informing Improvements in Freeze/Thaw State Classification Using Subpixel Temperature. <b>2021</b> , 1-19	
449	Seasonal Ground Water Fluctuation Monitoring Using GRACE Satellite Technology Over Punjab and Haryana During 2005â2015. <b>2021</b> , 175-186	0
448	WRF/UCM simulation for city-scale UHI modeling. <b>2021</b> , 153-177	
447	Groundwater storage dynamics in the Himalayan river basins and impacts of global change in the Anthropocene. <b>2021</b> , 47-63	
446	Groundwater Research and Societal Development: Integration with Remote Sensing and Geographical Information System. <b>2021</b> , 29-52	0
445	. <b>2021</b> , 14, 4946-4965	10
444	Evaluating the Land-Atmosphere-Cloud Interaction in HRRR using New York State Mesonet.	
443	SSP-Based Land Use Change Scenarios: A Critical Uncertainty in Future Regional Climate Change Projections.	
442	Reconstruction of Snow Depth Data at Moderate Spatial Resolution (1 km) from Remotely Sensed Snow Data and Multiple Optimized Environmental Factors: A Case Study over the Qinghai-Tibetan Plateau. <b>2021</b> , 13, 657	5
441	Weakened Aerosol-PBL Interaction During COVID-19 Lockdown in Northern China. <b>2021</b> , 48, e2020GL090542	11
440	A Detection of Convectively Induced Turbulence Using in Situ Aircraft and Radar Spectral Width Data. <b>2021</b> , 13, 726	5
439	Snow Ensemble Uncertainty Project (SEUP): quantification of snow water equivalent uncertainty across North America via ensemble land surface modeling. <b>2021</b> , 15, 771-791	5
438	Evaluation and blending of ATMS and AMSR2 snow water equivalent retrievals over the conterminous United States. <b>2021</b> , 254, 112280	3

- 437 Increasing spatial resolution of wind resource prediction using NWP and RANS simulation. **2021**, 210, 104499 5
- 436 Synoptic Climatology of Lake-Effect Snow Events off the Western Great Lakes. **2021**, 9, 43 2
- 435 Late-spring and summertime tropospheric ozone and NO<sub>2</sub> in western Siberia and the Russian Arctic: regional model evaluation and sensitivities. **2021**, 21, 4677-4697 3
- 434 A High-Resolution Land Data Assimilation System Optimized for the Western United States. 2
- 433 Does Dynamic Downscaling Modify the Projected Impacts of Stabilized 1.5°C and 2°C Warming on Hot Extremes Over China?. **2021**, 48, e2021GL092792 4
- 432 Effects of spatial resolution on WRF v3.8.1 simulated meteorology over the central Himalaya. **2021**, 14, 1427-1443 5
- 431 Implications of model selection: a comparison of publicly available, conterminous US-extent hydrologic component estimates. **2021**, 25, 1529-1568 1
- 430 SSP-Based Land-Use Change Scenarios: A Critical Uncertainty in Future Regional Climate Change Projections. **2021**, 9, e2020EF001782 1
- 429 Spatial and seasonal variations of black carbon over the Arctic in a regional climate model. **2021**, 100670 1
- 428 Assessing the soil moisture drought index for agricultural drought monitoring based on green vegetation fraction retrieval methods. **2021**, 108, 499-518 0
- 427 Evaluation of Regional Land Surface Conditions Developed Using The High-Resolution Land Data Assimilation System (HRLDAS) with Satellite and Global Analyses Over India. **2021**, 178, 1405-1424 0
- 426 Detecting Desert Locust Breeding Grounds: A Satellite-Assisted Modeling Approach. **2021**, 13, 1276 7
- 425 A Bayesian adaptive reservoir operation framework incorporating streamflow non-stationarity. **2021**, 594, 125959 3
- 424 Advection Fog over the Eastern Yellow Sea: WRF Simulation and Its Verification by Satellite and In Situ Observations. **2021**, 13, 1480 1
- 423 Correlation Structures between Satellite All-Sky Infrared Brightness Temperatures and the Atmospheric State at Storm Scales. 1 2
- 422 Connecting Hydrometeorological Processes to Low-Probability Floods in the Mountainous Colorado Front Range. **2021**, 57, e2021WR029768 2
- 421 Application of Morrison Cloud Microphysics Scheme in GRAPES\_Meso Model and the Sensitivity Study on CCN Impacts on Cloud Radiation. **2021**, 12, 489 0
- 420 Impacts of Air-Sea Energy Transfer on Typhoon Modelling. **2021**, 2021, 1-14 1

419	Interstate transport of carbon monoxide and black carbon over India. <b>2021</b> , 251, 118268	1
418	Quantification of groundwater recharge and its spatio-temporal variability in the Ganga river basin. 1-24	1
417	Temporal and Spatial Variations of Soil Moisture Over Xinjiang Based on Multiple GLDAS Datasets. <b>2021</b> , 9,	4
416	Impacts of Fully Coupling Land Surface and Flood Models on the Simulation of Large Wetlands' Water Dynamics: The Case of the Inner Niger Delta. <b>2021</b> , 13, e2021MS002463	6
415	Spatiotemporal Drivers of Hydrochemical Variability in a Tropical Glacierized Watershed in the Andes. <b>2021</b> , 57, e2020WR028722	1
414	Comparison of rainfall microphysics characteristics derived by numerical weather prediction modelling and dual-frequency precipitation radar. <b>2021</b> , 28, e2000	2
413	Interannual oxygen isotope variability in Indian summer monsoon precipitation reflects changes in moisture sources. <b>2021</b> , 2,	5
412	Comparison of MMCFS and SINTEX-F2 for seasonal prediction of Indian summer monsoon rainfall. <b>2021</b> , 41, 6084	0
411	Impacts of Urbanization, Aerodynamic Roughness, and Land Surface Processes on the Extreme Heavy Rainfall Over Chennai, India. <b>2021</b> , 126, e2020JD034017	4
410	Evaluation of PM2.5 fluxes in the 26 Cities: Transport pathways and intercity contributions. <b>2021</b> , 12, 101048	1
409	Qinghai-Tibet Plateau wetting reduces permafrost thermal responses to climate warming. <b>2021</b> , 562, 116858	18
408	Temperature Response to Changes in Vegetation Fraction Cover in a Regional Climate Model. <b>2021</b> , 12, 599	
407	Characteristics and Source Apportionment of the Vertical Distribution of Ozone at a Site of the Pearl River Delta Region of China. <b>2021</b> , 8, e2020EA001578	0
406	Drought adaptability of phreatophytes: insight from vertical root distribution in drylands of China.	2
405	Local evaporation controlled by regional atmospheric circulation in the Altiplano of the Atacama Desert. <b>2021</b> , 21, 9125-9150	2
404	Reducing Systematic Biases Over the Indian Region in CFS V2 by Dynamical Downscaling. <b>2021</b> , 8, e2020EA001507	
403	Impacts of maximum snow albedo and land cover changes on meteorological variables during winter in northeast China. <b>2021</b> , 254, 105449	1
402	Influence of Near Real-Time Green Vegetation Fraction Data on Numerical Weather Prediction by WRF over North China. <b>2021</b> , 35, 505-520	1

401	Urbanization and Winter Precipitation: A Case Study Analysis of Land Surface Sensitivity. <b>2021</b> , 12, 805	1
400	Impacts of climate change on terrestrial hydrological components and crop water use in the Chesapeake Bay watershed. <b>2021</b> , 35, 100830	1
399	A Limited Area Modeling Capability for the Finite-Volume Cubed-Sphere (FV3) Dynamical Core and Comparison With a Global Two-Way Nest. <b>2021</b> , 13, e2021MS002483	0
398	Limitations of WRF land surface models for simulating land use and land cover change in Sub-Saharan Africa and development of an improved model (CLM-AF v. 1.0). <b>2021</b> , 14, 3215-3249	5
397	Estimation of Long-duration Maximum Precipitation during a winter season for large basins dominated by Atmospheric Rivers using a Numerical Weather Model. <b>2021</b> , 598, 126224	2
396	Variable tree rooting strategies are key for modelling the distribution, productivity and evapotranspiration of tropical evergreen forests. <b>2021</b> , 18, 4091-4116	4
395	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. <b>2021</b> , 14, 4465-4494	4
394	Seasonal distribution and drivers of surface fine particulate matter and organic aerosol over the Indo-Gangetic Plain. <b>2021</b> , 21, 10881-10909	3
393	The effects of the unified parameterization in the CWBGFS: the diurnal cycle of precipitation over land in the Maritime Continent. 1	0
392	Evaluating the Forecast Skill of a Hydrometeorological Modelling System in Greece. <b>2021</b> , 12, 902	3
391	Land surface modeling over the Dry Chaco: the impact of model structures, and soil, vegetation and land cover parameters. <b>2021</b> , 25, 4099-4125	4
390	Improving accuracy in simulation of urban wind flows by dynamic downscaling WRF with OpenFOAM. <b>2021</b> , 38, 100912	3
389	Improve the Performance of the Noah-MP-Crop Model by Jointly Assimilating Soil Moisture and Vegetation Phenology Data. <b>2021</b> , 13, e2020MS002394	1
388	Sensitivity of Simulations of Extreme Mediterranean Storms to the Specification of Sea Surface Temperature: Comparison of Cases of a Tropical-Like Cyclone and Explosive Cyclogenesis. <b>2021</b> , 12, 921	
387	Ensemble Skill Gains Obtained From the Multi-Physics Versus Multi-Model Approaches for Continental-Scale Hydrological Simulations. <b>2021</b> , 57, e2020WR028846	0
386	Relationship of convection initiation and subsequent storm strength to ensemble simulated environmental conditions during IOP3b of VORTEX Southeast 2017. <b>2021</b> ,	0
385	Continuity of terrestrial water storage variability and trends across mainland China monitored by the GRACE and GRACE-Follow on satellites. <b>2021</b> , 599, 126308	8
384	Vertical profiles and regional transport of ozone and aerosols in the Yangtze River Delta during the 2016 G20 summit based on multiple lidars. <b>2021</b> , 259, 118506	1

383	Estimation of water origins within an explosive cyclone over the Sea of Japan using an isotopic regional spectral model. <b>2021</b> ,	1
382	Impacts of WRF Model Domain Size on Meiyu Rainfall Forecasts over Zhejiang, China. 1	1
381	Role of Microphysics and Convective Autoconversion for the Better Simulation of Tropical Intraseasonal Oscillations (MISO and MJO). <b>2021</b> , 13, e2021MS002540	1
380	Assimilating FY-4A Lightning and Radar Data for Improving Short-Term Forecasts of a High-Impact Convective Event with a Dual-Resolution Hybrid 3DEnVAR Method. <b>2021</b> , 13, 3090	1
379	Estimation of Evapotranspiration and Its Components across China Based on a Modified Priestley-Taylor Algorithm Using Monthly Multi-Layer Soil Moisture Data. <b>2021</b> , 13, 3118	2
378	Poleward transport of African dust to the Iberian Peninsula organized by a barrier jet and hydraulic jumps: Observations and high-resolution simulation analyses. <b>2021</b> , 261, 118574	0
377	Insight into ozone profile climatology over northeast China from aircraft measurement and numerical simulation. <b>2021</b> , 785, 147308	2
376	A triple collocation-based 2D soil moisture merging methodology considering spatial and temporal non-stationary errors. <b>2021</b> , 263, 112509	4
375	Evapotranspiration trends and variability in southeastern South America: The roles of land-cover change and precipitation variability.	1
374	Improved parameterization of snow albedo in Noah coupled with Weather Research and Forecasting: applicability to snow estimates for the Tibetan Plateau. <b>2021</b> , 25, 4967-4981	1
373	Impacts of initial conditions and model configuration on simulations of polar lows near Svalbard using Polar WRF with 3DVAR.	0
372	The Critical Effect of Subgrid-Scale Scheme on Simulating the Climate Impacts of Deforestation. <b>2021</b> , 126, e2021JD035133	1
371	Extreme wind climate of the Arabian Peninsula characterized by using WRF simulation. <b>2021</b> , 33, 100330	1
370	Improving weather forecasting by assimilation of water vapor isotopes. <b>2021</b> , 11, 18067	0
369	Evaluation of coupled regional climate models in representing the local biophysical effects of afforestation over continental China. <b>2021</b> , 1-62	0
368	Impact of Lightning Data Assimilation on Forecasts of a Leeward Slope Precipitation Event in the Western Margin of the Junggar Basin. <b>2021</b> , 13, 3584	1
367	Estimation of groundwater recharge using multiple climate models in Bayesian frameworks.	0
366	Exploring Sources of Surface Bias in HRRR Using New York State Mesonet. <b>2021</b> , 126, e2021JD034989	0

- 365 Expanding the Application of Soil Moisture Monitoring Systems through Regression-Based Transformation. **2021**, 22, 2601-2615
- 364 A Single Column Model Evaluation of Mixing Length Formulations and Constraints for the sa-TKE-EDMF Planetary Boundary Layer Parameterization. **2021**, 0
- 363 Potential of water balance and remote sensing-based evapotranspiration models to predict yields of spring barley and winter wheat in the Czech Republic. **2021**, 256, 107064 1
- 362 Strategies towards PM attainment for non-compliant cities in China: A case study. **2021**, 298, 113529 1
- 361 Heat budget model facilitates exploration of thermal ecology on urban shoreline infrastructure. **2021**, 171, 106371
- 360 Effects of meteorological forcings and land surface model on soil moisture simulation over China. **2021**, 603, 126978 7
- 359 Numerical analysis of aerosol direct and indirect effects on an extreme rainfall event over Beijing in July 2016. **2021**, 264, 105871 0
- 358 Evaluation of Different Storm Parameters as the Proxies for Gridded Total Lightning Flash Rates: A Convection-Allowing Model Study. **2021**, 12, 95 1
- 357 Impacts of fully coupling land surface and flood models on large wetland's water dynamics: the case of the Inner Niger Delta.
- 356 Mapping and Monitoring of Soil Moisture, Evapotranspiration, and Agricultural Drought. **2021**, 299-320 1
- 355 . **2021**, 14, 8849-8863
- 354 Observations and simulations of a wind farm modifying a thunderstorm outflow boundary. **2021**, 6, 1-13 3
- 353 Atmospheric mesoscale conditions during the Boothbay meteotsunami: a numerical sensitivity study using a high-resolution mesoscale model. **2014**, 55-74 2
- 352 Observing System Simulation Experiments (OSSEs) Using a Regional Air Quality Application for Evaluation. **2016**, 599-605 1
- 351 The Impact of Cyclone Xaver on Hydropower Potential in Norway. **2017**, 175-181 3
- 350 An Evaluation of the Community Land Model (Version 3.5) and Noah Land Surface Models for Temperature and Precipitation Over Nebraska (Central Great Plains): Implications for Agriculture in Simulations of Future Climate Change and Adaptation. **2016**, 21-34 4
- 349 A One-dimensional Ensemble Forecast and Assimilation System for Fog Prediction. **2007**, 1241-1264 3
- 348 Modeling Urban Effects on the Precipitation Component of the Water Cycle. **2010**, 265-292 1

347	Snow Cover. <b>2013</b> , 217-224	1
346	Role of Surface Roughness Length on Simulation of Cyclone Aila. <b>2014</b> , 255-262	1
345	A proxy for high-resolution regional reanalysis for the Southeast United States: assessment of precipitation variability in dynamically downscaled reanalyses. <b>2012</b> , 38, 2449	0
344	Microwave retrievals of soil moisture and vegetation optical depth with improved resolution using a combined constrained inversion algorithm: Application for SMAP satellite. <b>2020</b> , 239, 111662	21
343	Climate Change and Terrestrial Ecosystem Modeling. <b>2019</b> ,	32
342	The Upper Tail of Precipitation in Convection-Permitting Regional Climate Models and Their Utility in Nonstationary Rainfall and Flood Frequency Analysis. <b>2020</b> , 8, e2020EF001613	5
341	Role of the Radiative Effect of Black Carbon in Simulated PM <sub>2.5</sub> Concentrations during a Haze Event in China. <b>2014</b> , 7, 434-440	4
340	Dynamical Downscaling of the Twentieth Century Reanalysis for China? Climatic Means during 1981-2010. <b>2015</b> , 8, 166-173	3
339	Simulating interactions between topography, permafrost, and vegetation in Siberian larch forest. <b>2020</b> , 15, 095006	4
338	Dynamics of resonantly interacting equatorial waves.	1
337	Adapting to Extreme Heat: Social, Atmospheric, and Infrastructure Impacts of Air-Conditioning in Megacities—The Case of New York City. <b>2020</b> , 1,	1
336	A 100-m-Scale Modeling Study of a Gale Event on the Lee Side of a Long Narrow Mountain. <b>2020</b> , 59, 23-45	6
335	Surface Turbulent Fluxes during Persistent Cold-Air Pool Events in the Salt Lake Valley, Utah. Part II: Simulations. <b>2020</b> , 59, 1029-1050	3
334	Weakening Influence of Spring Soil Moisture over the Indo-China Peninsula on the Following Summer Mei-Yu Front and Precipitation Extremes over the Yangtze River Basin. <b>2020</b> , 33, 10055-10072	4
333	Sensitivity of CONUS Summer Rainfall to the Selection of Cumulus Parameterization Schemes in NU-WRF Seasonal Simulations. <b>2017</b> , 18, 1689-1706	9
332	Assessing the Impact of Soil Layer Depth Specification on the Observability of Modeled Soil Moisture and Brightness Temperature. <b>2020</b> , 21, 2041-2060	2
331	Observations and Simulation of Elevated Nocturnal Convection Initiation on 24 June 2015 during PECAN. <b>2020</b> , 148, 613-635	4
330	Systematic Evaluation of the Impact of Assimilating a Network of Ground-Based Remote Sensing Profilers for Forecasts of Nocturnal Convection Initiation during PECAN. <b>2020</b> , 148, 4703-4728	5



329	Mesoscale optical turbulence simulations above Tibetan Plateau: first attempt. <b>2020</b> , 28, 4571-4586	11
328	The role of temperature and humidity on seasonal influenza in tropical areas: Guatemala, El Salvador and Panama, 2008-2013. <b>2014</b> , 9, e100659	58
327	Streamflow impacts of biofuel policy-driven landscape change. <b>2014</b> , 9, e109129	7
326	Numerical Study on the Stomatal Responses to Dry-Hot Wind Episodes and Its Effects on Land-Atmosphere Interactions. <b>2016</b> , 11, e0162852	7
325	Evaluation of High-Resolution Hydrologic Components Based on TOPLATS Land Surface Model. <b>2012</b> , 22, 357-365	2
324	Relationship between the hydraulic properties of the soil and the planetary boundary layer. <b>2012</b> , 61, 9-28	1
323	Improved Performance of Simulated Japanese Climate with a Multi-Model Ensemble. <b>2012</b> , 90, 235-254	36
322	The Diurnal Cycle of Water and Energy over the Continental United States from Three Reanalyses. <b>2007</b> , 85A, 117-143	18
321	Planetary Scale Land-Ocean Contrast of Near-Surface Air Temperature and Precipitation Forced by Present and Future SSTs. <b>2009</b> , 87, 877-894	1
320	Sensitivity of WRF Cloud Microphysics to Simulations of a Convective Storm Over the Nepal Himalayas. <b>2017</b> , 11, 29-43	13
319	Regional climate change scenarios in the Brazilian Pantanal watershed. <b>2016</b> , 68, 201-213	29
318	Changing Characteristic of Land Surface Evapotranspiration and Soil Moisture in China during the Past 30 Years. <b>2012</b> , 14, 1-13	7
317	Temperature biases in modeled polar climate and adoption of physical parameterization schemes. <b>2013</b> , 23, 30-40	1
316	Evaluation of Hydrometeorological Components Simulated by Water and Energy Balance Analysis. <b>2014</b> , 47, 25-35	3
315	Assessment of Meteorological Impact and Emergency Plan for a Heavy Haze Pollution Episode in a Core City of the North China Plain. <b>2020</b> , 20, 26-42	7
314	The Global Weather Research and Forecasting (GWRf) Model: Model Evaluation, Sensitivity Study, and Future Year Simulation. <b>2012</b> , 02, 231-253	11
313	Downscaling Climate Projections over La Plata Basin. <b>2016</b> , 06, 1-12	3
312	Assessment of Different WRF Configurations Performance for a Rain Event over Panama. <b>2020</b> , 10, 280-297	4

311	Future Changes in Temperature and Precipitation Extremes in the State of Rio de Janeiro (Brazil). <b>2014</b> , 03, 353-365	7
310	Evaluation of the Eta Simulations Nested in Three Global Climate Models. <b>2014</b> , 03, 438-454	109
309	Assessment of Climate Change over South America under RCP 4.5 and 8.5 Downscaling Scenarios. <b>2014</b> , 03, 512-527	179
308	Impacts of aerosol-radiation interaction on meteorological forecasts over northern China by offline coupling of the WRF-Chem-simulated aerosol optical depth into WRF: a case study during a heavy pollution event. <b>2020</b> , 20, 12527-12547	3
307	Elevated dust layers inhibit dissipation of heavy anthropogenic surface air pollution. <b>2020</b> , 20, 14917-14932	7
306	Simulation of low clouds in the Southeast Pacific by the NCEP GFS: sensitivity to vertical mixing.	2
305	Characterizing summertime chemical boundary conditions for airmasses entering the US West Coast.	4
304	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model â Part 1: Model description, annual simulations and evaluation.	5
303	CO source contribution analysis for California during ARCTAS-CARB.	3
302	Using a WRF simulation to examine regions where convection impacts the Asian summer monsoon anticyclone.	1
301	Land surface controls on afternoon precipitation diagnosed from observational data: uncertainties, confounding factors and the possible role of vegetation interception.	2
300	Surface sensible and latent heat fluxes over the Tibetan Plateau from ground measurements, reanalysis, and satellite data.	1
299	Simulating the integrated $\text{CO}_2$ signature from anthropogenic emissions over Western Europe.	1
298	Application of WRF/Chem-MADRID and WRF/Polyphemus in Europe â Part 1: Model description and evaluation of meteorological predictions.	2
297	Effect of land cover on atmospheric processes and air quality over the continental United States â NASA unified WRF (NU-WRF) model study.	2
296	Sensitivity of high-temperature weather to initial soil moisture: a case study with the WRF model.	1
295	WRF-chem model predictions of the regional impacts of $\text{NO}_5$ heterogeneous processes on nighttime chemistry over north-western Europe.	2
294	Seasonal range test run with Global Eta Framework. 14, 247-251	1

293	North American CO <sub>2</sub> exchange: intercomparison of modeled estimates with results from a fine-scale atmospheric inversion.	2
292	Groundwater storage dynamics in the world's large aquifer systems from GRACE: uncertainty and role of extreme precipitation. <b>2020</b> , 11, 755-774	13
291	The hydrological cycle in the high Pamir Mountains: how temperature and seasonal precipitation distribution influence stream flow in the Gunt catchment, Tajikistan.	4
290	Simulated wind farm wake sensitivity to configuration choices in the Weather Research and Forecasting model version 3.8.1. <b>2020</b> , 13, 2645-2662	10
289	Development of the Surface Urban Energy and Water Balance Scheme (SUEWS) for cold climate cities. <b>2014</b> , 7, 1691-1711	45
288	Downscaling a global climate model to simulate climate change impacts on US regional and urban air quality.	1
287	Development of the Surface Urban Energy and Water balance Scheme (SUEWS) for cold climate cities.	1
286	Regional climate modeling on European scales: a joint standard evaluation of the EURO-CORDEX RCM ensemble.	36
285	A simulation model to assess groundwater recharge over Europe's karst regions.	3
284	A semi-Lagrangian advection scheme for radioactive tracers in a regional spectral model.	1
283	Improving estimated soil moisture fields through assimilation of AMSR-E soil moisture retrievals with an ensemble Kalman filter and a mass conservation constraint. <b>2012</b> , 16, 105-119	39
282	Soil moisture sensor network design for hydrological applications. <b>2020</b> , 24, 2577-2591	4
281	Estimation of rainfall erosivity based on WRF-derived raindrop size distributions. <b>2020</b> , 24, 5407-5422	4
280	Simulation analysis of local land atmosphere coupling in rainy season over a typical underlying surface in the Tibetan Plateau. <b>2020</b> , 24, 5937-5951	2
279	The COsmic-ray Soil Moisture Interaction Code (COSMIC) for use in data assimilation.	4
278	Results from a full coupling of the HIRHAM regional climate model and the MIKE SHE hydrological model for a Danish catchment.	2
277	A seasonal agricultural drought forecast system for food-insecure regions of East Africa.	8
276	Assimilation of near-surface cosmic-ray neutrons improves summertime soil moisture profile estimates at three distinct biomes in the USA.	3

275	High resolution land surface modeling utilizing remote sensing parameters and the Noah-UCM: a case study in the Los Angeles Basin.	0
274	On inclusion of water resource management in Earth System models âPart 1: Problem definition and representation of water demand.	2
273	Empirical streamflow simulation for water resource management in data-scarce seasonal watersheds.	5
272	Evaluating the utility of satellite soil moisture retrievals over irrigated areas and the ability of land data assimilation methods to correct for unmodeled processes.	5
271	Evaluation of global fine-resolution precipitation products and their uncertainty quantification in ensemble discharge simulations.	1
270	Stream recession curves and storage variability in small watersheds.	2
269	Skill assessment of a global hydrological model in reproducing flow extremes.	3
268	Improving simulated soil moisture fields through assimilation of AMSR-E soil moisture retrievals with an ensemble Kalman filter and a mass conservation constraint.	3
267	Calibration and evaluation of a semi-distributed watershed model of sub-Saharan Africa using GRACE data.	3
266	Multi-criteria parameter estimation for the unified land model.	4
265	Towards an integrated soil moisture drought monitor for East Africa.	6
264	On the utility of land surface models for agricultural drought monitoring.	5
263	Simulation of extreme rainfall and streamflow events in small Mediterranean watersheds with a one-way-coupled atmosphericâhydrologic modelling system. <b>2020</b> , 20, 2791-2810	13
262	Variations in water storage in China over recent decade from GRACE Observations and GLDAS.	3
261	Systematic bias of Tibetan Plateau snow cover in subseasonal-to-seasonal models. <b>2020</b> , 14, 3565-3579	2
260	A Simulation of Agro-Climate Index over the Korean Peninsula Using Dynamical Downscaling with a Numerical Weather Prediction Model. <b>2010</b> , 12, 1-10	15
259	Comparison of Crop Growth and Evapotranspiration Simulations between Noah Multi Physics Model and CERES-Rice Model. <b>2013</b> , 15, 282-290	3
258	Warming and drying climate over Loess plateau area in China and its effect on land surface energy exchange. <b>2013</b> , 62, 139202	7

- 257 The Indian summer monsoon and Indian Ocean Dipole connection in the IITM Earth System Model (IITM-ESM). **2022**, 58, 1877 2
- 256 Improving the Four-Dimensional Incremental Analysis Update (4DIAU) with the HWRF 4DEnVar Data Assimilation System for Rapidly Evolving Hurricane Prediction. **2021**, 1
- 255 Placing the east-west North American aridity gradient in a multi-century context. 2
- 254 Nonlinear responses of particulate nitrate to NO<sub>x</sub>; emission controls in the megapolises of China. **2021**, 21, 15135-15152 2
- 253 Mineral dust cycle in the Multiscale Online Nonhydrostatic Atmosphere Chemistry model (MONARCH) Version 2.0. **2021**, 14, 6403-6444 4
- 252 Multiscale aspects of the 26–27 April 2011 tornado outbreak. Part II: Environmental modifications and upscale feedbacks arising from latent processes. **2021**, 1
- 251 Amplification of soil moisture deficit and high temperature in a drought-heatwave co-occurrence in southwestern China. 1 0
- 250 Impact of Noah-LSM Parameterizations on WRF Mesoscale Simulations: Case Study of Prevailing Summer Atmospheric Conditions over a Typical Semi-Arid Region in Eastern Spain. **2021**, 13, 11399 0
- 249 The soil moisture data bank: The ground-based, model-based, and satellite-based soil moisture data. **2021**, 24, 100649 3
- 248 Impact of different urban canopy models on air quality simulation in Chengdu, southwestern China. **2021**, 267, 118775 1
- 247 Comparison of Precipitable Water Vapor Observations by GPS, Radiosonde and NWP Simulation. **2009**, 26, 555-566 2
- 246 Impact of Improved Land-Surface Model Coupled to NWP System on Convective Boundary Layer Variables. **2011**, 763-770
- 245 WRF-ARW Simulation: Urban Area Scale Forecast for the Tel Aviv Metropolitan Area. **2011**, 125-131
- 244 Alternative methods to predict actual evapotranspiration illustrate the importance of accounting for phenology – Part 2: The event driven phenology model. 0
- 243 Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model – Part 2: Experimental campaigns in Northern Africa. 1
- 242 Assimilation of space-based passive microwave soil moisture retrievals and the correction for a dynamic open water fraction. 1
- 241 Encyclopedia of Sustainability Science and Technology. **2012**, 3211-3230
- 240 Simulated Tropical Cyclone Climatology in the Tropical Channel Experiments. **2012**, 27-44

239 Performance Comparison of an Urban Canopy Model under Different Meteorological Conditions. **2012**, 22, 429-436

238 Atmospheric processes responsible for generation of the 2008 Boothbay meteotsunami. **2013**, 25-53

1

237 Urban Scale Meteorological and Air Quality Forecast for the Biggest Israeli Cities Jerusalem, Tel Aviv and Haifa: WRF-Chem Model Simulation. **2014**, 693-701

236 The role of horizontal model resolution in assessing the transport of CO in a middle latitude cyclone using WRF-Chem.

235 Evaluating the Utah Energy Balance's (UEB) snow model in the Noah Land-Surface Model.

234 Real-Time Prediction of the Tropical Cyclogenesis Location over Bay of Bengal Using Global Forecast System (GFS). **2014**, 287-299

0

233 International Comparisons of the Modeled Climate Effects of Land Use Changes. **2014**, 207-257

232 Projecting Extreme Changes in Summer Rainfall in South America by the Middle of the 21st Century. **2014**, 04, 743-756

231 Disentangling the response of forest and grassland energy exchange to heatwaves under idealized land-atmosphere coupling.

230 Hybrid variational-ensemble assimilation of lightning observations in a mesoscale model.

229 Characterising Brazilian biomass burning emissions using WRF-Chem with MOSAIC sectional aerosol.

228 A Spanning Tree Hierarchical Model for Land Cover Classification. **2015**, 125-134

227 Regional-scale transport of air pollutants: impacts of southern California emissions on Phoenix ground-level ozone concentrations.

226 Decadal evaluation of regional climate, air quality, and their interactions using WRF/Chem Version 3.6.1.

225 First comprehensive modelling study on observed new particle formation at the SORPES station in Nanjing, China.

1

224 Impact of an improved WRF-urban canopy model on diurnal air temperature simulation over northern Taiwan.

223 The incorporation of an organic soil layer in the Noah-MP Land Surface Model and its evaluation over a Boreal Aspen Forest.

222 Soil Moisture Estimation and Drought Assessment at the Spatio-Temporal Scales using Remotely Sensed Data: (I) Soil Moisture. **2016**, 32, 60-69

2

- 221 **Belirleme Yöntemi ile Uydu ve Hidrolojik Model Kaynaklı Toprak Nemi Değerlerinin Hata Oranlarının Bulunması. 2016, 31, 231-240**
- 220 **The Effect of Surface Heterogeneity on the Vertical Structure of the Saharan Convective Boundary Layer. 2017, 107-113**
- 219 **Evaluating the Diurnal Cycle of Precipitation Representation in West African Monsoon Region with Different Convection Schemes. 2016, 169-191**
- 218 **Influence of Parameterization of Some Physical Processes in Soils on Numerical Meteorological Forecasts of Surface Fields. 2016, 20, 48-58**
- 217 **Numerical Weather Prediction Basics: Models, Numerical Methods, and Data Assimilation. 2018, 1-31** 2
- 216 **Land Surface Hydrological Models. 2018, 1-42**
- 215 **An explicit method of mesoscale convective storm prediction for the central region of Russia. 15, 213-216**
- 214 **Climate Analysis. 2019,** 1
- 213 **Numerical Investigation of the Coastal Atmosphere and Ocean at Meaße.**
- 212 **Impacts of tiled land cover characterization in the Model for Prediction Across Scales-Atmosphere (MPAS-A).**
- 211 **Impacts of Insolation and Soil Moisture on the Seasonality of Interactions Between the Madden-Julian Oscillation and Maritime Continent. 2020, 125,** 1
- 210 **Estimation of Wind Speed and Roughness Length Using Smartphones: Method and Quality Assessment. 2020, 37, 1319-1332** 1
- 209 **Addition of Multilayer Urban Canopy Models to a Nonlocal Planetary Boundary Layer Parameterization and Evaluation Using Ideal and Real Cases. 2020, 59, 1369-1392** 0
- 208 **Stone Content Influence on Land Surface Model Simulation of Soil Moisture and Evapotranspiration at Reynolds Creek Watershed. 2020, 21, 1889-1904** 0
- 207 **Multi-Objective Adaptive Surrogate Modeling-Based Optimization for Distributed Environmental Models Based on Grid Sampling. 2021, 57, e2020WR028740** 0
- 206 **Implementation and evaluation of a unified turbulence parameterization throughout the canopy and roughness sublayer in Noah-MP snow simulations.** 2
- 205 **Understanding the influence of climate variability on surface water hydrology in the Congo basin.**
- 204 **Assessment of the Effects of Urban Heat Island on Buildings. 2021, 15-41**



203	An Examination of the Impact of Grid Spacing on WRF Simulations of Wintertime Precipitation in the Mid-Atlantic United States. <b>2020</b> , 35, 2317-2343	
202	Sensitivity of U.S. Drought Prediction Skill to Land Initial States. <b>2020</b> , 21, 2793-2811	2
201	Research on Spatiotemporal Variation of Soil Temperature in China from 1948 to 2018. <b>2020</b> , 11, 570-584	0
200	Ulusal Dinamik Rüzgar Erozyonu Modeli Ve İzleme Sistemi Bitki Üst Parametresinin Belirlenmesi.	
199	Numerical simulations of precipitation and streamflow in current climate and future projections to drainage areas of Brazilian hydroelectric plants. <b>2020</b> , 79, 219-241	1
198	What Causes the Unobserved Early-Spring Snowpack Ablation in Convection-Permitting WRF Modeling Over Utah Mountains?. <b>2021</b> , 126, e2021JD035284	2
197	Evaluation of three new surface irrigation parameterizations in the WRF-ARW v3.8.1 model: the Po Valley (Italy) case study. <b>2020</b> , 13, 3179-3201	1
196	The 23 June 2016 West Virginia Flash Flood Event as Observed through Two Hydrometeorology Testbed Experiments. <b>2020</b> , 35, 2099-2126	3
195	Studying Scale Dependency of Aerosol Cloud Interactions using Multi-Scale Cloud Formulations. <b>2020</b> , 77, 3847-3868	1
194	Assimilation of Satellite-Derived Soil Moisture for Improved Forecasts of the Great Plains Low-Level Jet. <b>2020</b> , 148, 4607-4627	1
193	Comparing the performances of WRF QPF and PERSIANN-CCS QPEs in karst flood simulation and forecasting by coupling the Karst-Liuxihe model. 1	0
192	Atmospheric dynamics and internal processes in CFSv2 model during organization and intensification of BSISO. <b>2021</b> , 130, 1	1
191	Coupling a land surface model with a hydrodynamic model for regional flood risk assessment due to climate change: Application to the Susquehanna River near Harrisburg, Pennsylvania. e12763	0
190	Evaluation the WRF Model with Different Land Surface Schemes: Heat Wave Event Simulations and Its Relation to Pacific Variability over Coastal Region, Karachi, Pakistan. <b>2021</b> , 13, 12608	1
189	Combinational Optimization of the WRF Physical Parameterization Schemes to Improve Numerical Sea Breeze Prediction Using Micro-Genetic Algorithm. <b>2021</b> , 11, 11221	1
188	The Multi-Scale Dynamics Organizing a Favorable Environment for Convective Density Currents That Redirected the Yarnell Hill Fire. <b>2021</b> , 9, 170	2
187	How well are we able to close the water budget at the global scale?. <b>2022</b> , 26, 35-54	3
186	A high resolution coupled ocean-atmosphere simulation of the regional climate over Central America. 1	2

- <sup>185</sup> Transport of black carbon from Central and West Asia to the Tibetan Plateau: Seasonality and climate effect. **2022**, 267, 105987
- <sup>184</sup> Singapore: An Integrated Multi-scale Urban Microclimate Model for Urban Planning in Singapore. **2021**, 189-217
- <sup>183</sup> Quantifying Changes in Groundwater Storage and Response to Hydroclimatic Extremes in a Coastal Aquifer Using Remote Sensing and Ground-Based Measurements: The Texas Gulf Coast Aquifer. **2022**, 14, 612 1
- <sup>182</sup> Assessment and improvement of Noah-MP for simulating water and heat exchange over alpine grassland in growing season. **2022**, 65, 536 2
- <sup>181</sup> Modeling Large-Scale Heatwave by Incorporating Enhanced Urban Representation. **2022**, 127, 1
- <sup>180</sup> Seasonal Heat Fluxes of Land Surface Models, NOAH and MOSAIC Within NLDAS-2 Over USA During the Period of 1979–2018. **2022**, 47-50
- <sup>179</sup> MPR 1.0: a stand-alone multiscale parameter regionalization tool for improved parameter estimation of land surface models. **2022**, 15, 859-882 1
- <sup>178</sup> Impact of land surface processes on the simulation of sea breeze circulation and tritium dispersion over the Kaiga complex terrain region near west coast of India using the Weather Research and Forecasting (WRF) model. **2022**, 13, 100149 0
- <sup>177</sup> Inline coupling of simple and complex chemistry modules within the global weather forecast model FIM (FIM-Chem v1). **2022**, 15, 467-491 0
- <sup>176</sup> Modeling Thermal Environment Responses to Terrain and Urbanization of Metropolis. **2022**, 2173, 012023
- <sup>175</sup> Investigating the ability of deep learning on actual evapotranspiration estimation in the scarcely observed region. **2022**, 607, 127506 0
- <sup>174</sup> Improvements in Diurnal Cycle and Its Impact on Seasonal Mean by Incorporating COARE Flux Algorithm in CFS. 3,
- <sup>173</sup> Impact of deep basin terrain on PM distribution and its seasonality over the Sichuan Basin, Southwest China.. **2022**, 300, 118944 0
- <sup>172</sup> A Source of WRF Simulation Error for the Early-summer Warm-sector Heavy Rainfall over South China Coast: Land-sea Thermal Contrast in the Boundary Layer. 0
- <sup>171</sup> Assessing the effects of urban green landscape on urban thermal environment dynamic in a semiarid city by integrated use of airborne data, satellite imagery and land surface model. **2022**, 107, 102674
- <sup>170</sup> Global spatiotemporal consistency between meteorological and soil moisture drought indices. **2022**, 316, 108848 8
- <sup>169</sup> Simulation of Karst Floods with a Hydrological Model Improved by Meteorological Model Coupling. **2022**, 23, 185-207
- <sup>168</sup> Energy-Based Approaches in Estimating Actual Evapotranspiration Focusing on Land Surface Temperature: A Review of Methods, Concepts, and Challenges. **2022**, 15, 1264 2

167	Subseasonal prediction performance for South American land-atmosphere coupling in extended austral summer. <b>2022</b> , 1,	1
166	Optimizing a backscatter forward operator using Sentinel-1 data over irrigated land. <b>2021</b> , 25, 6283-6307	4
165	Impacts of greenhouse gases and deforestation in Amazon Basin climate extreme indices.	
164	Interaction between aerosol and thermodynamic stability within the planetary boundary layer during wintertime over the North China Plain: aircraft observation and WRF-Chem simulation. <b>2022</b> , 22, 2507-2524	0
163	Spatiotemporal Characteristics of NPP Changes in Frozen Ground Areas of the Three-River Headwaters Region, China: A Regional Modeling Perspective. <b>2022</b> , 10,	0
162	GIS-Based Water Budget Estimation of the Kizilirmak River Basin using GLDAS-2.1 Noah and CLSM Models and Remote Sensing Observations. 1	1
161	Comprendre l'influence de la variabilité climatique sur l'hydrologie des eaux de surface dans le bassin du Congo. <b>2022</b> , 65-85	
160	Understanding the Influence of Climate Variability on Surface Water Hydrology in the Congo Basin. <b>2022</b> , 63-81	0
159	On the Spin-Up Strategy for Spatial Modeling of Permafrost Dynamics: A Case Study on the Qinghai-Tibet Plateau. <b>2022</b> , 14,	0
158	Is it north or west foehn? A Lagrangian analysis of Penetration and Interruption of Alpine Foehn intensive observation period 1 (PIANO IOP 1). <b>2022</b> , 3, 279-303	0
157	Assimilation of NASA's Airborne Snow Observatory Snow Measurements for Improved Hydrological Modeling: A Case Study Enabled by the Coupled LIS/WRF-Hydro System. <b>2022</b> , 58,	2
156	Does Increasing Horizontal Resolution Improve Seasonal Prediction of Indian Summer Monsoon?: A Climate Forecast System Model Perspective. <b>2022</b> , 49,	0
155	Effects of Topography and Latent Heat on the Evolution of a Mesoscale Dual-Core Southwest Vortex Over Sichuan Basin, China. <b>2022</b> , 10,	
154	Tracing Atmospheric Anthropogenic Black Carbon and Its Potential Radiative Response Over Pan-Third Pole Region: A Synoptic-Scale Analysis Using WRF-Chem. <b>2022</b> , 127,	1
153	Evaluation of convective cloud microphysics in numerical weather prediction models with dual-wavelength polarimetric radar observations: methods and examples. <b>2022</b> , 15, 1033-1054	1
152	Sensitivity of low-level clouds and precipitation to anthropogenic aerosol emission in southern West Africa: a DACCWA case study. <b>2022</b> , 22, 3251-3273	
151	Filling Temporal Gaps within and between GRACE and GRACE-FO Terrestrial Water Storage Records: An Innovative Approach. <b>2022</b> , 14, 1565	0
150	Numerical Modeling of the General Circulation of the Earth's Lower and Middle Atmosphere in Mid-January. <b>2022</b> , 86, 354-363	

- 149 On the weakening association between South Asian Monsoon and Atlantic Multidecadal Oscillation. 1
- 148 Simulating land-atmosphere coupling in the Central Valley, California: Investigating soil moisture impacts on boundary layer properties. **2022**, 317, 108898 0
- 147 Why coupled general circulation models overestimate the ENSO and Indian Summer Monsoon Rainfall (ISMR) relationship?. 1 0
- 146 Impact of lidar data assimilation on planetary boundary layer wind and PM2.5 prediction in Taiwan. **2022**, 277, 119064
- 145 Impacts of large-scale deployment of mountainous wind farms on wintertime regional air quality in the Beijing-Tian-Hebei area. **2022**, 278, 119074
- 144 Tracking the source direction of surface mass loads using vertical and horizontal displacements from satellite geodesy: A case study of the inter-annual fluctuations in the water level in the Great Lakes. **2022**, 274, 113001 1
- 143 A numerical simulation of a strong windstorm event in the Taebaek Mountain Region in Korea during the ICE-POP 2018. **2022**, 272, 106158 2
- 142 Influence of Hamoun Lakes' dry conditions on dust emission and radiative forcing over Sistan plain, Iran. **2022**, 272, 106152 3
- 141 WRF Rainfall Modeling Post-Processing by Adaptive Parameterization of Raindrop Size Distribution: A Case Study on the United Kingdom. **2022**, 13, 36 0
- 140 Uncertainty Characterization of Ground-Based, Satellite, and Reanalysis Snow Depth Products Using Extended Triple Collocation. **2022**, 58, 0
- 139 Development and evaluation of an advanced National Air Quality Forecasting Capability using the NOAA Global Forecast System version 16. **2022**, 15, 3281-3313 0
- 138 Data\_Sheet\_1.pdf. **2019**,
- 137 Image1.pdf. **2018**,
- 136 Presentation\_1.pptx. **2019**,
- 135 Presentation\_2.PPTX. **2019**,
- 134 Table\_1.DOCX. **2019**,
- 133 Data\_Sheet\_1.docx. **2020**,
- 132 Presentation\_1.PPTX. **2020**,

131 Presentation\_2.PPTX. **2020**,

130 Presentation\_3.PPTX. **2020**,

129 Presentation\_4.PPTX. **2020**,

128 Presentation\_5.PPTX. **2020**,

127 Presentation\_6.pptx. **2020**,

126 Improved runoff simulations for a highly varying soil depth and complex terrain watershed in the Loess Plateau with the Community Land Model version 5. **2022**, 15, 3405-3416

0

125 Revegetation Does Not Decrease Water Yield in the Loess Plateau of China. **2022**, 49,

3

124 Soil moisture estimation in South Asia via assimilation of SMAP retrievals. **2022**, 26, 2221-2243

2

123 Impact of Different Double-Moment Microphysical Schemes on Simulations of a Bow-Shaped Squall Line in East China. **2022**, 13, 667

1

122 The impact of air-sea coupling on the simulation of the hydroclimatic change over Peninsular Florida.

121 Assimilation of Radar Reflectivity Using A Time-Lagged Ensemble Based Ensemble Kalman Filter With the "Cloud-Dependent" Background Error Covariances.

0

120 The Sensitivity of Downstream Ridge Building Forecasts to Upstream Warm Conveyor Belt Forecast Uncertainty using MPAS. **2022**,

119 Towards effective drought monitoring in the Middle East and North Africa (MENA) region: implications from assimilating leaf area index and soil moisture into the Noah-MP land surface model for Morocco. **2022**, 26, 2365-2386

1

118 Calibration of WRF Hydro for Bhagirathi Alaknanda Basin. **2022**, 11, 24-29

117 Evaluation of evapotranspiration for exorheic basins in China using an improved estimate of terrestrial water storage change. **2022**, 610, 127885

1

116 The sensitivities of ozone and PM concentrations to the satellite-derived leaf area index over East Asia and its neighboring seas in the WRF-CMAQ modeling system.. **2022**, 306, 119419

0

115 Sub-seasonal Prediction of the South China Sea Summer Monsoon Onset in the NCEP Climate Forecast System Version 2.

0

114 Mesoscale Moisture Transport in Determining the Location of Daytime Convection Initiations Clustered in Time and Space over Southern China.

0

- 113 Impact of Inter-Annual Variation in Meteorology from 2010 to 2019 on the Inter-City Transport of PM<sub>2.5</sub> in the Beijing-Tianjin-Hebei Region. **2022**, 14, 6210 ○
- 112 Impact of Urbanization on Meteorology and Air Quality in Chengdu, a Basin City of Southwestern China. 10, ○
- 111 Understanding organic aerosols in Bogotá, Colombia: In-situ observations and regional-scale modeling. **2022**, 284, 119161 ○
- 110 Computation and Analysis of an Offshore Wind Power Forecast: Towards a Better Assessment of Offshore Wind Power Plant Aerodynamics. **2022**, 15, 4223 ○
- 109 The MONARCH high-resolution reanalysis of desert dust aerosol over Northern Africa, the Middle East and Europe (2007–2016). **2022**, 14, 2785-2816
- 108 Multiple same-level and telescoping nesting in GFDL’s dynamical core. **2022**, 15, 4355-4371 ○
- 107 Impact of Riverine Fresh Water on Indian Summer Monsoon: Coupling a Runoff Routing Model to a Global Seasonal Forecast Model. 4,
- 106 Comparison of the Forecast Performance of WRF Using Noah and Noah-MP Land Surface Schemes in Central Asia Arid Region. **2022**, 13, 927 ○
- 105 Diurnal impact of atmospheric stability on inter-farm wake and power generation efficiency at neighboring onshore wind farms in complex terrain. **2022**, 267, 115897 2
- 104 Isotopic composition and moisture sources of precipitation in midlatitude regions characterized by extratropical cyclones’ route. **2022**, 612, 128047 ○
- 103 Influence of Vegetation on Simulation of the Water Balance and Hydrological Response to the El Niño Southern Oscillation in Western Tropical South America. **2022**, 1
- 102 Improving Global Weather Prediction in GFDL SHIELD Through an Upgraded GFDL Cloud Microphysics Scheme. **2022**, 14, 2
- 101 On the Influences of Urbanization on the Extreme Rainfall over Zhengzhou on 20 July 2021: A Convection-Permitting Ensemble Modeling Study. 1
- 100 Irrigation characterization improved by the direct use of SMAP soil moisture anomalies within a data assimilation system. ○
- 99 A Central Asia hydrologic monitoring dataset for food and water security applications in Afghanistan. **2022**, 14, 3115-3135 ○
- 98 Impact of Sea Breeze on the Transport of Ship Emissions: A Comprehensive Study in the Bohai Rim Region, China. **2022**, 13, 1094 ○
- 97 Climate and human impacts on hydrological processes and flood risk in southern Louisiana.
- 96 Sensitivity of surface roughness parameters on the simulation of boundary layer winds over a complex terrain site Kaiga in western India. **2022**, 134,

- 95 Incorporation and improvement of a heterogeneous chemistry mechanism in the atmospheric chemistry model GRAPES\_Meso5.1/CUACE and its impacts on secondary inorganic aerosol and PM2.5 simulations in Middle-Eastern China. **2022**, 157530 ○
- 94 The Value Addition of Dynamic Downscaling the South Asian Summer Monsoon from a Global Reanalysis using a Regional Coupled Ocean-Atmosphere Model.
- 93 Simulation of the Effect of Small-Scale Mountains on Weather Conditions During the May 2021 Ultramarathon in Gansu Province, China. **2022**, 127,
- 92 Thermal Stratification in the Air Basin over the Moscow Metropolis: Comparison of Model and Observational Data. **2022**, 58, 364-375
- 91 Impact of reduced ENSO variability and amplitude on ISMR prediction in the long-lead forecasts of monsoon mission CFS. ○
- 90 Examining the Role of the Land Surface on Convection Using High-Resolution Model Forecasts Over the Southeastern United States. **2022**, 127,
- 89 Investigation of Ocean Sub-Surface Processes in Tropical Cyclone Phailin Using a Coupled Modeling Framework: Sensitivity to Ocean Conditions. **2022**, 3, 364-388 ○
- 88 Aerosol-radiation interaction in the operational atmospheric chemistry model GRAPES\_Meso5.1/CUACE and its impacts on mesoscale NWP in Beijing-Tianjin-Hebei, China. **2022**, 106402 ○
- 87 Reconstructing the Historical Terrestrial Water Storage Variations in the Huangâ€¦ River Basin With Consideration of Water Withdrawals. 10,
- 86 Climate change and *Arenicola marina*: Heat waves and the southern limit of an ecosystem engineer. **2022**, 276, 108015 ○
- 85 Assimilation of the pseudo-water vapor derived from extrapolated radar reflectivity to improve the forecasts of convective events. **2022**, 279, 106386 ○
- 84 An Overview of Snow Water Equivalent: Methods, Challenges, and Future Outlook. **2022**, 14, 11395 ○
- 83 Understanding the impact of vegetation dynamics on the water cycle in the Noah-MP model. 4, ○
- 82 Thermal and energy benefits of rooftop photovoltaic panels in a semi-arid city during an extreme heatwave event. **2022**, 275, 112490 1
- 81 Improving Land-Surface Model Simulations in Irrigated Areas by Incorporating Soil Moistureâ€¦Based Irrigation Estimates in Community Land Model. **2022**, 148, ○
- 80 Multi-depth evolution characteristics of soil moisture over the Tibetan Plateau in the past 70 years using reanalysis products. 10, ○
- 79 Sensitivity of Land Surface Processes and Its Variation during Contrasting Seasons over India. **2022**, 13, 1382 ○
- 78 A comprehensive analysis of observed and projected climate extremes of temperature and precipitation in Belo Monte Hydropower Plant - eastern Amazon, Brazil. ○



77	Ensemble Calibration and Uncertainty Quantification of Precipitation Forecasts for a Risk-based UAS Navigation.	0
76	Correcting a 200km Resolution Climate Model in Multiple Climates by Machine Learning From 25km Resolution Simulations. <b>2022</b> , 14,	0
75	An Improved Sea Spray-Induced Heat Flux Algorithm and Its Application in the Case Study of Typhoon Mangkhut (2018). <b>2022</b> , 10, 1329	0
74	Evaluation of a Regional Ensemble Data Assimilation System for Typhoon Prediction. <b>2022</b> , 39, 1816-1832	2
73	Prediction and cause investigation of ozone based on a double-stage attention mechanism recurrent neural network. <b>2023</b> , 17,	1
72	The Extreme North African Haboob in October 2008: High-resolution Simulation of Organized Moist Convection in the Lee of the Atlas, Dust Recirculation and Poleward Transport.	0
71	Role of Water Vapor Modulation From Multiple Pathways in the Occurrence of a Record-Breaking Heavy Rainfall Event in China in 2021. <b>2022</b> , 9,	1
70	Evaluation of a Stand-Alone WRF-Hydro Modeling System Using Different Rainfall Forcing Data: Case Study Over the Godavari River Basin, India.	0
69	Ensemble Calibration and Uncertainty Quantification of Precipitation Forecasts for a Risk-based UAS Navigation.	0
68	Can We Use the Water Budget to Infer Upland Catchment Behavior? The Role of Data Set Error Estimation and Interbasin Groundwater Flow. <b>2022</b> , 58,	1
67	Improving Dynamic Vegetation Modeling in Noah-MP by Parameter Optimization and Data Assimilation over China's Loess Plateau.	1
66	Evaluation of gridded datasets for terrestrial water budget assessment in the Upper Jhelum River Basin-South Asia. <b>2022</b> , 613, 128294	0
65	Physical processes associated with movement of maximum wind of Typhoon Rammasun (2014).	0
64	The Global/Regional Integrated Model System (GRIMs): an Update and Seasonal Evaluation.	0
63	Simulation of Urban Heat Island during a High-Heat Event Using WRF Urban Canopy Models: A Case Study for Metro Manila. <b>2022</b> , 13, 1658	0
62	Cross-Examining Precipitation Products by Rain Gauge, Remote Sensing, and WRF Simulations over a South American Region across the Pacific Coast and Andes. <b>2022</b> , 13, 1666	0
61	Dynamic Downscaling the South Asian Summer Monsoon from a Global Reanalysis using a Regional Coupled Ocean-Atmosphere Model.	1
60	Investigations on offshore wind turbine inflow modelling using numerical weather prediction coupled with local-scale computational fluid dynamics. <b>2023</b> , 171, 113008	2

- 59 Influence of the upper gravity-wave damping layer on precipitation over complex terrain. 10, o
- 58 Triple Collocation of Ground-, Satellite- and Land Surface Model-Based Surface Soil Moisture Products in OklahomaâPart I: Individual Product Assessment. **2022**, 14, 5641 o
- 57 Role of Land Surface Vegetation in the March of Indian Monsoon Onset Isochrones in a Coupled Model. o
- 56 Towards Ensemble-Based Kilometer-Scale Climate Simulations over the Third Pole Region. o
- 55 Evaluation of the NAQFC driven by the NOAA Global Forecast System (version 16): comparison with the WRF-CMAQ during the summer 2019 FIREX-AQ campaign. **2022**, 15, 7977-7999 1
- 54 Kinetic Energy Budgets during the Rapid Intensification of Typhoon Rammasun (2014). **2023**, 40, 78-94 o
- 53 Sustainable land use and viability of biojet fuels. o
- 52 Precipitation biases and snow physics limitations drive the uncertainties in macroscale modeled snow water equivalent. **2022**, 26, 5721-5735 o
- 51 Estimation of soil moisture and soil temperature over India using the Noah multi-parameterisation land surface model. o
- 50 Simulating the Impacts of Wind Farm Wake under the Changes in MYNN Planetary Boundary Layer Scheme in High Resolution Weather Research and Forecasting Model. **2022**, 13, 1838 o
- 49 Machine learning based estimation of field-scale daily, high resolution, multi-depth soil moisture for the Western and Midwestern United States. 10, e14275 o
- 48 The set-up and evaluation of fine-scale data assimilation for the urban climate of Amsterdam. o
- 47 Impacts of the COVID-19 lockdown on atmospheric oxidizing capacity and secondary aerosol formation over the Beijing-Tianjin-Hebei region in Winter-Spring 2020. **2023**, 295, 119540 o
- 46 Improving the estimation of snow depth in the Noah-MP model by combining particle filter and Bayesian model averaging. **2023**, 617, 128877 o
- 45 Geospatial Weather Affected Terrain Conditions and Hazards (GeoWATCH) description and evaluation. **2023**, 160, 105606 o
- 44 Coupled and Stand-Alone Regional Climate Modeling of Intensive Storms in Western Canada. **2023**, 28, o
- 43 Optimization of snow-related parameters in the Noah land surface model (v3.4.1) using a micro-genetic algorithm (v1.7a). **2022**, 15, 8541-8559 o
- 42 A New Sea Surface Roughness Parameterization and Its Application in Tropical Cyclone Modeling. **2022**, 127, o

- 41 Estimation of OH in urban plumes using TROPOMI-inferred NO<sub>2</sub> & CO. **2022**, 22, 16053-16071 o
- 40 Achieving Brazil's Deforestation Target Will Reduce Fire and Deliver Air Quality and Public Health Benefits. **2022**, 10, o
- 39 Groundwater depletion in California's Central Valley accelerates during megadrought. **2022**, 13, o
- 38 Grid-based calibration of the WRF-Hydro with Noah-MP model with improved groundwater and transpiration process equations. **2022**, 128991 1
- 37 Improving the Operational Simplified Surface Energy Balance Evapotranspiration Model Using the Forcing and Normalizing Operation. **2023**, 15, 260 o
- 36 Mechanism Analysis of a Wintertime Extreme Persistent Heavy Rainfall Event in Hainan Island. o
- 35 Impacts of Direct Assimilation of the FY-4A/GIIRS Long-Wave Temperature Sounding Channel Data on Forecasting Typhoon In-Fa (2021). **2023**, 15, 355 o
- 34 A numerical study on the effects of a midlatitude upper-level trough on the track and intensity of Typhoon Bavi (2020). 10, o
- 33 Impact of Assimilating Conventional Observations on Short-Term Nearshore Wind Forecast over the East China Sea. **2023**, 14, 47 o
- 32 Biogenic isoprene emissions, dry deposition velocity, and surface ozone concentration during summer droughts, heatwaves, and normal conditions in southwestern Europe. **2023**, 23, 1043-1071 o
- 31 Reconstructing spatiotemporal dynamics of mixed conifer and broad-leaved forests with a spatially explicit individual-based dynamic vegetation model. o
- 30 Contribution of future urbanization to summer regional warming in the Pearl River Delta. **2023**, 49, 101476 o
- 29 Seasonal soil freeze/thaw variability across North America via ensemble land surface modeling. **2023**, 209, 103806 o
- 28 Impact of coronavirus-driven reduction in aerosols on precipitation in the western United States. **2023**, 288, 106732 o
- 27 Moisture sources and isotopic composition of a record-breaking heavy Meiyu-Baiu rainfall in southwestern Japan in early July 2020. **2023**, 286, 106693 o
- 26 Decadal Application of WRF/Chem under Future Climate and Emission Scenarios: Impacts of Technology-Driven Climate and Emission Changes on Regional Meteorology and Air Quality. **2023**, 14, 225 o
- 25 Description and evaluation of a newly developed emission inventory processing system (EMIPS). **2023**, 870, 161909 o
- 24 Simulations of Summertime Ozone and PM<sub>2.5</sub> Pollution in Fenwei Plain (FWP) Using the WRF-Chem Model. **2023**, 14, 292 1

- 23 Climate and Human Impacts on Hydrological Processes and Flood Risk in Southern Louisiana. **2023**, 59, ○
- 22 Impacts of Agricultural Soil NO<sub>x</sub> Emissions on O<sub>3</sub> Over Mainland China. **2023**, 128, ○
- 21 Application of a satellite-retrieved sheltering parameterization (v1.0) for dust event simulation with WRF-Chem v4.1. **2023**, 16, 1009-1038 ○
- 20 Impact of changes in refractive indices of secondary organic aerosols on precipitation over China during 1980–2019. **2023**, 299, 119644 ○
- 19 An Intensity and Size Phase Space for Tropical Cyclone Structure and Evolution. **2023**, 128, ○
- 18 Evaluation of a Deep Learning Approach for Predicting the Fraction of Transpirable Soil Water in Vineyards. **2023**, 13, 2815 ○
- 17 Effects of ocean states coupling on the simulated Super Typhoon Megi (2010) in the South China Sea. 10, ○
- 16 Performance of three reanalyses in simulating the water table elevation in different shallow unconfined aquifers in Central Italy. **2023**, 30, ○
- 15 Evaluating a combined WRF and CityFFD method for calculating urban wind distributions. **2023**, 234, 110205 ○
- 14 Leveraging Soil Moisture Assimilation in Permafrost Affected Regions. **2023**, 15, 1532 ○
- 13 A dynamic ammonia emission model and the online coupling with WRF–Chem (WRF–SoilN–Chem v1.0): development and regional evaluation in China. **2023**, 16, 1641-1659 ○
- 12 Developing spin-up time framework for WRF extreme precipitation simulations. **2023**, 620, 129443 ○
- 11 Effects of Elevated Ozone Exposure on Regional Meteorology and Air Quality in China Through Ozone-Vegetation Coupling. **2023**, 128, ○
- 10 A Diagnostic Study of the Influence of Early Spring Soil Moisture in Southeastern China on Interannual Variability of the East Asian Subtropical Summer Monsoon Onset. **2023**, 37, 45-57 ○
- 9 A Comparative Study Between Regional Atmospheric Model Simulations Coupled and Uncoupled to a Regional Ocean Model of the Indian Summer Monsoon. **2023**, 10, ○
- 8 Assessing methods for representing soil heterogeneity through a flexible approach within the Joint UK Land Environment Simulator (JULES) at version 3.4.1. **2023**, 16, 1875-1886 ○
- 7 Comparison of different momentum control variables on assimilating radar observations for the forecasts of a dispersive convective event. 11, ○
- 6 Development of a Dynamic Downscaling Method for Use in Short-Range Atmospheric Dispersion Modeling Near Nuclear Power Plants. **2023**, 48, 28-43 ○

- 5 Predictive skill of extended range forecast of 2020â21 winter precipitation over North India. **2023**, 135, o
- 4 Coupled Model Biases and Extended Range Prediction Skill during the Onset Phase of the Indian Summer Monsoon with Different Initializations Related to Land Surface and number of Observations. o
- 3 Evaluation of High Resolution WRF Solar. **2023**, 16, 3518 o
- 2 Impact of Urbanization on Groundwater and Surface Temperature Changes: A Case Study of Lahore City. **2023**, 15, 6864 o
- 1 The Thermal Conductivity and Matric Potential (Moisture Tension) Relationships for Soils of Different Gypsum Content. **2023**, 1158, 022007 o