Implementation of Noah land surface model advances i Environmental Prediction operational mesoscale Eta m

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Citation Report

#	Article	IF	CITATIONS
1	Evaluation of the North American Land Data Assimilation System over the southern Great Plains during the warm season. Journal of Geophysical Research, 2003, 108, .	3.3	157
2	Streamflow and water balance intercomparisons of four land surface models in the North American Land Data Assimilation System project. Journal of Geophysical Research, 2004, 109, .	3.3	141
3	The multi-institution North American Land Data Assimilation System (NLDAS): Utilizing multiple GCIP products and partners in a continental distributed hydrological modeling system. Journal of Geophysical Research, 2004, 109, .	3.3	985
4	Basin scale estimates of evapotranspiration using GRACE and other observations. Geophysical Research Letters, 2004, 31, .	4.0	405
5	Atmospheric Moisture Transport over the United States and Mexico as Evaluated in the NCEP Regional Reanalysis. Journal of Hydrometeorology, 2005, 6, 710-728.	1.9	83
6	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. Journal of Applied Meteorology and Climatology, 2005, 44, 1827-1843.	1.7	14
7	Evaluation of 10 Methods for Initializing a Land Surface Model. Journal of Hydrometeorology, 2005, 6, 146-155.	1.9	108
8	The Operational Eta Model Precipitation and Surface Hydrologic Cycle of the Columbia and Colorado Basins. Journal of Hydrometeorology, 2005, 6, 341-370.	1.9	17
9	Surface Boundary Conditions for Mesoscale Regional Climate Models. Earth Interactions, 2005, 9, 1-28.	1.5	50
10	Evaluation and Transferability of the Noah Land Surface Model in Semiarid Environments. Journal of Hydrometeorology, 2005, 6, 68-84.	1.9	119
11	Seasonal global mean sea level change from satellite altimeter, GRACE, and geophysical models. Journal of Geodesy, 2005, 79, 532-539.	3.6	68
12	Variability in global land surface energy budgets during 1987–1988 simulated by an off-line land surface model. Climate Dynamics, 2005, 24, 667-684.	3.8	16
13	Evaluation of Surface Sensible Weather Forecasts by the WRF and the Eta Models over the Western United States. Weather and Forecasting, 2005, 20, 812-821.	1.4	139
14	Evaluation of Reanalysis Soil Moisture Simulations Using Updated Chinese Soil Moisture Observations. Journal of Hydrometeorology, 2005, 6, 180-193.	1.9	106
15	Development of land surface albedo parameterization based on Moderate Resolution Imaging Spectroradiometer (MODIS) data. Journal of Geophysical Research, 2005, 110, .	3.3	81
16	Low degree spherical harmonic influences on Gravity Recovery and Climate Experiment (GRACE) water storage estimates. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	143
17	Comparison of Impacts of WRF Dynamic Core, Physics Package, and Initial Conditions on Warm Season Rainfall Forecasts. Monthly Weather Review, 2006, 134, 2632-2641.	1.4	75
18	Post-processing removal of correlated errors in GRACE data. Geophysical Research Letters, 2006, 33, .	4.0	1,155

#	Article	IF	Citations
19	Optimized smoothing of Gravity Recovery and Climate Experiment (GRACE) time-variable gravity observations. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	77
20	Parameter sensitivity analysis for different complexity land surface models using multicriteria methods. Journal of Geophysical Research, 2006, 111, .	3.3	65
21	Urban and land surface effects on the 30 July 2003 mesoscale convective system event observed in the southern Great Plains. Journal of Geophysical Research, 2006, 111, .	3.3	118
22	Land surface state and flux estimation using the ensemble Kalman smoother during the Southern Great Plains 1997 field experiment. Water Resources Research, 2006, 42, .	4.2	70
23	Sensitivity of the NCEP/Noah land surface model to the MODIS green vegetation fraction data set. Geophysical Research Letters, 2006, 33, .	4.0	51
24	Evaluation of the Second Global Soil Wetness Project soil moisture simulations: 1. Intermodel comparison. Journal of Geophysical Research, 2006, 111, .	3.3	39
25	Estimating Large-Scale Precipitation Minus Evapotranspiration from GRACE Satellite Gravity Measurements. Journal of Hydrometeorology, 2006, 7, 252-270.	1.9	107
26	Alaskan mountain glacial melting observed by satellite gravimetry. Earth and Planetary Science Letters, 2006, 248, 368-378.	4.4	78
27	Seasonal Hydroclimate Variability over North America in Global and Regional Reanalyses and AMIP Simulations: Varied Representation. Journal of Climate, 2006, 19, 815-837.	3.2	82
28	Great Plains Hydroclimate Variability: The View from North American Regional Reanalysis. Journal of Climate, 2006, 19, 3004-3010.	3.2	54
29	Intense Rainfall Events Affecting the La Plata Basin. Journal of Hydrometeorology, 2006, 7, 769-787.	1.9	33
30	Verification of a Mesoscale Data-Assimilation and Forecasting System for the Oklahoma City Area during the Joint Urban 2003 Field Project. Journal of Applied Meteorology and Climatology, 2006, 45, 912-929.	1.5	197
31	Spatiotemporal Disaggregation of Remotely Sensed Precipitation for Ensemble Hydrologic Modeling and Data Assimilation. Journal of Hydrometeorology, 2006, 7, 511-533.	1.9	16
32	CWRF simulations of the China 1991 and 1998 summer floods. , 2006, 6298, 407.		0
33	The Modified Palmer Drought Severity Index Based on the NCEP North American Regional Reanalysis. Journal of Applied Meteorology and Climatology, 2006, 45, 1362-1375.	1.5	38
34	Uncertainties in the GSWP-2 precipitation forcing and their impacts on regional and global hydrological simulations. Climate Dynamics, 2006, 27, 695-713.	3.8	80
35	A regional climate study of Central America using the MM5 modeling system: results and comparison to observations. International Journal of Climatology, 2006, 26, 2161-2179.	3.5	13
36	1948–98 U.S. Hydrological Reanalysis by the Noah Land Data Assimilation System. Journal of Climate, 2006, 19, 1214-1237.	3.2	31

#	Article	IF	CITATIONS
37	Effect of Land–Atmosphere Interactions on the IHOP 24–25 May 2002 Convection Case. Monthly Weather Review, 2006, 134, 113-133.	1.4	139
38	North American Regional Reanalysis. Bulletin of the American Meteorological Society, 2006, 87, 343-360.	3.3	2,864
39	6-Hour to 1-Year Variance of Five Global Precipitation Sets. Earth Interactions, 2007, 11, 1-29.	1.5	36
40	Urban Modification in a Mesoscale Model and the Effects on the Local Circulation in the Pearl River Delta Region. Journal of Applied Meteorology and Climatology, 2007, 46, 457-476.	1.5	108
41	Intercomparison of Single-Column Numerical Models for the Prediction of Radiation Fog. Journal of Applied Meteorology and Climatology, 2007, 46, 504-521.	1.5	89
42	NCAR/CU Surface, Soil, and Vegetation Observations during the International H2O Project 2002 Field Campaign. Bulletin of the American Meteorological Society, 2007, 88, 65-82.	3.3	32
43	Response of Seasonal Simulations of a Regional Climate Model to High-Frequency Variability of Soil Moisture during the Summers of 1988 and 1993. Journal of Hydrometeorology, 2007, 8, 738-757.	1.9	11
44	Evaluation of the Hydrological Cycle over the Mississippi River Basin as Simulated by the Canadian Regional Climate Model (CRCM). Journal of Hydrometeorology, 2007, 8, 969-988.	1.9	149
45	Assessment of Dynamic Downscaling of the Continental U.S. Regional Climate Using the Eta/SSiB Regional Climate Model. Journal of Climate, 2007, 20, 4172-4193.	3.2	80
46	Description and Evaluation of the Characteristics of the NCAR High-Resolution Land Data Assimilation System. Journal of Applied Meteorology and Climatology, 2007, 46, 694-713.	1.5	243
47	Convective Planetary Boundary Layer Interactions with the Land Surface at Diurnal Time Scales: Diagnostics and Feedbacks. Journal of Hydrometeorology, 2007, 8, 1082-1097.	1.9	71
48	Relationships between Land Surface and Near-Surface Atmospheric Variables in the NCEP North American Regional Reanalysis. Journal of Hydrometeorology, 2007, 8, 1184-1203.	1.9	50
49	Analysis of the Impact of Snow on Daily Weather Variability in Mountainous Regions Using MM5. Journal of Hydrometeorology, 2007, 8, 245-258.	1.9	36
50	Variability in the Environmental Factors Driving Evapotranspiration from a Grazed Rangeland during Severe Drought Conditions. Journal of Hydrometeorology, 2007, 8, 207-220.	1.9	29
51	A Comparison of the Noah and OSU Land Surface Models in the ECPC Seasonal Forecast Model. Journal of Hydrometeorology, 2007, 8, 1031-1048.	1.9	14
52	Evaluation and Comparison of Noah and Pleim–Xiu Land Surface Models in MM5 Using GÖTE2001 Data: Spatial and Temporal Variations in Near-Surface Air Temperature. Journal of Applied Meteorology and Climatology, 2007, 46, 1587-1605.	1.5	45
53	An Alternative Mass Flux Profile in the Kain–Fritsch Convective Parameterization and Its Effects in Seasonal Precipitation. Journal of Hydrometeorology, 2007, 8, 1128-1140.	1.9	16
54	Comparison of the Diurnal Precipitation Cycle in Convection-Resolving and Non-Convection-Resolving Mesoscale Models. Monthly Weather Review, 2007, 135, 3456-3473.	1.4	109

#	Article	IF	CITATIONS
55	PBL State Estimation with Surface Observations, a Column Model, and an Ensemble Filter. Monthly Weather Review, 2007, 135, 2958-2972.	1.4	28
56	Improved Vertical Covariance Estimates for Ensemble-Filter Assimilation of Near-Surface Observations. Monthly Weather Review, 2007, 135, 1021-1036.	1.4	26
57	Urban Canopy Modeling of the New York City Metropolitan Area: A Comparison and Validation of Single- and Multilayer Parameterizations. Monthly Weather Review, 2007, 135, 1906-1930.	1.4	103
58	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. Journal of Hydrometeorology, 2007, 8, 68-87.	1.9	93
59	A multimodel simulation of panâ€Arctic hydrology. Journal of Geophysical Research, 2007, 112, .	3.3	79
60	A comparison of land surface model soil hydraulic properties estimated by inverse modeling and pedotransfer functions. Water Resources Research, 2007, 43, .	4.2	69
61	Comparison of seasonal terrestrial water storage variations from GRACE with groundwaterâ€level measurements from the High Plains Aquifer (USA). Geophysical Research Letters, 2007, 34, .	4.0	166
62	Influence of runoff parameterization on continental hydrology: Comparison between the Noah and the ISBA land surface models. Journal of Geophysical Research, 2007, 112, .	3.3	31
63	Sensitivity of Land Surface Simulations to Model Physics, Land Characteristics, and Forcings, at Four CEOP Sites. Journal of the Meteorological Society of Japan, 2007, 85A, 187-204.	1.8	97
64	A GIS framework for surface-layer soil moisture estimation combining satellite radar measurements and land surface modeling with soil physical property estimation. Environmental Modelling and Software, 2007, 22, 891-898.	4.5	27
65	Using remotely-sensed estimates of soil moisture to infer soil texture and hydraulic properties across a semi-arid watershed. Remote Sensing of Environment, 2007, 110, 79-97.	11.0	109
66	A global Eta model on quasi-uniform grids. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 517-528.	2.7	12
67	Impact of Multiresolution Active and Passive Microwave Measurements on Soil Moisture Estimation Using the Ensemble Kalman Smoother. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 1016-1028.	6.3	36
68	Attenuation effect on seasonal basin-scale water storage changes from GRACE time-variable gravity. Journal of Geodesy, 2007, 81, 237-245.	3.6	95
69	A One-dimensional Ensemble Forecast and Assimilation System for Fog Prediction. Pure and Applied Geophysics, 2007, 164, 1241-1264.	1.9	31
70	Global validation of the ISBA sub-grid hydrology. Climate Dynamics, 2007, 29, 21-37.	3.8	70
71	Estimating groundwater storage changes in the Mississippi River basin (USA) using GRACE. Hydrogeology Journal, 2007, 15, 159-166.	2.1	526
72	High-performance Earth system modeling with NASA/GSFC's Land Information System. Innovations in Systems and Software Engineering, 2007, 3, 157-165.	2.1	184

#	Article	IF	CITATIONS
73	Use of atmospheric radiation measurement program data from Barrow, Alaska, for evaluation and development of snow-albedo parameterizations. Meteorology and Atmospheric Physics, 2008, 99, 199-219.	2.0	17
74	The impact of soil reflectance on the quantification of the green vegetation fraction from NDVI. Remote Sensing of Environment, 2008, 112, 1835-1845.	11.0	230
75	A land surface data assimilation framework using the land information system: Description and applications. Advances in Water Resources, 2008, 31, 1419-1432.	3.8	182
76	An integrated high-resolution hydrometeorological modeling testbed using LIS and WRF. Environmental Modelling and Software, 2008, 23, 169-181.	4.5	71
77	Adjusting for Long-Term Anomalous Trends in NOAA's Clobal Vegetation Index Data Sets. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 409-422.	6.3	22
78	Downscaling and Forecasting of Evapotranspiration Using a Synthetic Model of Wavelets and Support Vector Machines. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2692-2707.	6.3	41
79	An integrated hydrologic modeling and data assimilation framework. Computer, 2008, 41, 52-59.	1.1	150
80	Urban heat island effect and its impact on boundary layer development and land–sea circulation over northern Taiwan. Atmospheric Environment, 2008, 42, 5635-5649.	4.1	182
81	Evaluation of the Weather Research and Forecasting model for two frost events. Computers and Electronics in Agriculture, 2008, 64, 234-247.	7.7	36
82	Analysis of terrestrial water storage changes from GRACE and GLDAS. Water Resources Research, 2008, 44, .	4.2	449
83	An investigation of GSWPâ \in 2 Mississippi River basin surface water and energy budgets. Journal of Geophysical Research, 2008, 113, .	3.3	7
84	Regional Eta model experiments: SALLJEX and MCS development. Journal of Geophysical Research, 2008, 113, .	3.3	25
85	A study of land surface processes using land surface models over the Little River Experimental Watershed, Georgia. Journal of Geophysical Research, 2008, 113, .	3.3	16
86	Role of precipitation uncertainty in the estimation of hydrologic soil properties using remotely sensed soil moisture in a semiarid environment. Water Resources Research, 2008, 44, .	4.2	35
87	Model performance, model robustness, and model fitness scores: A new method for identifying good landâ€ s urface models. Geophysical Research Letters, 2008, 35, .	4.0	26
88	Assessing landâ€∎tmosphere coupling using soil moisture from the Global Land Data Assimilation System and observational precipitation. Journal of Geophysical Research, 2008, 113, .	3.3	158
89	Predicted impacts of climate and land use change on surface ozone in the Houston, Texas, area. Journal of Geophysical Research, 2008, 113, .	3.3	87
90	Historical isotope simulation using Reanalysis atmospheric data. Journal of Geophysical Research, 2008, 113, .	3.3	328

CITATION REPORT IF CITATIONS Linking Traits to Energetics and Population Dynamics to Predict Lizard Ranges in Changing 2.1220 Environments. American Naturalist, 2008, 171, E1-E19. Impacts of High-Resolution Land Surface Initialization on Regional Sensible Weather Forecasts from the WRF Model. Journal of Hydrometeorology, 2008, 9, 1249-1266. The influence of the Gulf Stream induced SST gradients on the US East Coast winter storm of 24–25 2.9 15 January 2000. International Journal of Remote Sensing, 2008, 29, 6145-6174. Observed and Simulated Soil Moisture Variability over the Lower Mississippi Delta Region. Journal of Hydrometeorology, 2008, 9, 1125-1150. Estimation of the Minimum Canopy Resistance for Croplands and Grasslands Using Data from the 2002 1.4 47 International H2O Project. Monthly Weather Review, 2008, 136, 4452-4469. Evaluation of Two Land Surface Schemes Used in Terrains of Increasing Aridity in West Africa. Journal of Hydrometeorology, 2008, 9, 173-193. Sensitivity of the PBL and Precipitation in 12-Day Simulations of Warm-Season Convection Using Different Land Surface Models and Soil Wetness Conditions. Monthly Weather Review, 2008, 136, 61 1.4 2321-2343. The Impact of Snow Model Complexity at Three CLPX Sites. Journal of Hydrometeorology, 2008, 9, 1464-1481. How Does Soil Moisture Influence the Early Stages of the South American Monsoon?. Journal of 3.2 57 Climate, 2008, 21, 195-213. Ensemble-Based Sensitivity Analysis. Monthly Weather Review, 2008, 136, 663-677. 1.4 Exploring the Possible Role of Small-Scale Terrain Drag on Stable Boundary Layers over Land. Journal 1.5 56 of Applied Meteorology and Climatology, 2008, 47, 2518-2530. Comparison of Four Cloud Schemes in Simulating the Seasonal Mean Field Forced by the Observed Sea 1.4 19 Surface Temperature. Monthly Weather Review, 2008, 136, 2557-2575. Performance Characteristics of a Pseudo-Operational Ensemble Kalman Filter. Monthly Weather 1.4 72 Review, 2008, 136, 3947-3963.

104	North American Droughts in ERA-40 Global and NCEP North American Regional Reanalyses: A Palmer Drought Severity Index Perspective. Journal of Climate, 2008, 21, 2102-2123.	3.2	16
105	Increase in Near-Surface Temperature Simulation Skill due to Predictive Soil Moisture in a Numerical Seasonal Simulation under Observed SST Forcing. Journal of Hydrometeorology, 2008, 9, 48-60.	1.9	6
106	Sensitivity of WRF Forecasts for South Florida to Initial Conditions. Weather and Forecasting, 2008, 23, 725-740.	1.4	29
107	Diurnal to Annual Precipitation Sensitivity to Convective and Land Surface Schemes. Earth Interactions, 2008, 12, 1-13.	1.5	40
108	Mesoscale Simulations of the Land Surface Effects of Historical Logging in a Moist Continental Climate Regime. Journal of Applied Meteorology and Climatology, 2008, 47, 2166-2182.	1.5	14

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101

#	Article	IF	CITATIONS
109	Development of the Flux-Adjusting Surface Data Assimilation System for Mesoscale Models. Journal of Applied Meteorology and Climatology, 2008, 47, 2331-2350.	1.5	29
110	A Negative Soil Moisture–Precipitation Relationship and Its Causes. Journal of Hydrometeorology, 2008, 9, 1364-1376.	1.9	78
111	Model Diagnosis of Nighttime Minimum Temperature Warming during Summer due to Irrigation in the California Central Valley. Journal of Hydrometeorology, 2008, 9, 1061-1072.	1.9	50
112	Evaluation of the Noah Land Surface Model Using Data from a Fair-Weather IHOP_2002 Day with Heterogeneous Surface Fluxes. Monthly Weather Review, 2008, 136, 4915-4941.	1.4	73
113	Recent glacier mass changes in the Gulf of Alaska region from GRACE mascon solutions. Journal of Glaciology, 2008, 54, 767-777.	2.2	160
114	An Observational Analysis and Evaluation of Land Surface Model Accuracy in the Nebraska Sand Hills. Journal of Hydrometeorology, 2008, 9, 601-621.	1.9	13
115	Improvements of numerical weather predictions using a new AVHRR green vegetation fraction dataset. , 2008, , .		1
116	On the comparison between the LISFLOOD modelled and the ERS/SCAT derived soil moisture estimates. Hydrology and Earth System Sciences, 2008, 12, 1339-1351.	4.9	25
117	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. Hydrology and Earth System Sciences, 2009, 13, 759-777.	4.9	59
118	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. Journal of Climate, 2009, 22, 5251-5272.	3.2	282
119	A Modeling and Observational Framework for Diagnosing Local Land–Atmosphere Coupling on Diurnal Time Scales. Journal of Hydrometeorology, 2009, 10, 577-599.	1.9	166
120	Sensible Heating over the Tibetan Plateau Linked to the Onset of Asian Monsoon. Atmospheric and Oceanic Science Letters, 2009, 2, 350-356.	1.3	9
121	Multimodel Ensemble Reconstruction of Drought over the Continental United States. Journal of Climate, 2009, 22, 2694-2712.	3.2	153
122	Understanding the Characteristics of Daily Precipitation over the United States Using the North American Regional Reanalysis. Journal of Climate, 2009, 22, 6268-6286.	3.2	58
123	Evaluating Enhanced Hydrological Representations in Noah LSM over Transition Zones: Implications for Model Development. Journal of Hydrometeorology, 2009, 10, 600-622.	1.9	40
124	Quantifying the Imprint of a Severe Hector Thunderstorm during ACTIVE/SCOUT-O3 onto the Water Content in the Upper Troposphere/Lower Stratosphere. Monthly Weather Review, 2009, 137, 2493-2514.	1.4	49
125	Convection-Permitting Simulations of the Environment Supporting Widespread Turbulence within the Upper-Level Outflow of a Mesoscale Convective System. Monthly Weather Review, 2009, 137, 1972-1990.	1.4	53
126	Precipitation Simulations Using WRF as a Nested Regional Climate Model. Journal of Applied Meteorology and Climatology, 2009, 48, 2152-2159.	1.5	121

#	Article	IF	CITATIONS
127	Evaluation of Short-Range Quantitative Precipitation Forecasts from a Time-Lagged Multimodel Ensemble. Weather and Forecasting, 2009, 24, 18-38.	1.4	24
128	Correcting Unintended Perturbation Biases in Hydrologic Data Assimilation. Journal of Hydrometeorology, 2009, 10, 734-750.	1.9	149
129	A New Land Surface Hydrology within the Noah-WRF Land-Atmosphere Mesoscale Model Applied to Semiarid Environment: Evaluation over the Dantiandou Kori (Niger). Advances in Meteorology, 2009, 2009, 1-13.	1.6	9
130	A Comparison of Precipitation Forecast Skill between Small Convection-Allowing and Large Convection-Parameterizing Ensembles. Weather and Forecasting, 2009, 24, 1121-1140.	1.4	200
131	Variations of U.S. Regional Precipitation and Simulations by the NCEP CFS: Focus on the Southwest. Journal of Climate, 2009, 22, 3211-3231.	3.2	21
132	Role of Subsurface Physics in the Assimilation of Surface Soil Moisture Observations. Journal of Hydrometeorology, 2009, 10, 1534-1547.	1.9	178
133	Specification of External Forcing for Regional Model Integrations. Monthly Weather Review, 2009, 137, 1409-1421.	1.4	18
134	Pentad Evolution of the 1988 Drought and 1993 Flood over the Great Plains: An NARR Perspective on the Atmospheric and Terrestrial Water Balance. Journal of Climate, 2009, 22, 5366-5384.	3.2	38
135	Initial Condition Sensitivity of Western Pacific Extratropical Transitions Determined Using Ensemble-Based Sensitivity Analysis. Monthly Weather Review, 2009, 137, 3388-3406.	1.4	66
136	Application of HSPF to the Distributed Model Intercomparison Project: Case Study. Journal of Hydrologic Engineering - ASCE, 2009, 14, 847-857.	1.9	21
137	The Influence of Rain Sensible Heat and Subsurface Energy Transport on the Energy Balance at the Land Surface. Vadose Zone Journal, 2009, 8, 846-857.	2.2	57
138	Analysis of coupled model uncertainties in source-to-dose modeling of human exposures to ambient air pollution: A PM2.5 case study. Atmospheric Environment, 2009, 43, 1641-1649.	4.1	41
139	A more accurate scheme for calculating Earth's skin temperature. Climate Dynamics, 2009, 32, 251-272.	3.8	16
140	Mesoscale Structure of Trade Wind Convection over Puerto Rico: Composite Observations and Numerical Simulation. Boundary-Layer Meteorology, 2009, 132, 289-313.	2.3	22
141	Improving the treatment of the vertical snow burial fraction over short vegetation in the NCAR CLM3. Advances in Atmospheric Sciences, 2009, 26, 877-886.	4.3	38
142	A comparison of aircraftâ€based surface″ayer observations over Denmark Strait and the Irminger Sea with meteorological analyses and QuikSCAT winds. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 2046-2066.	2.7	72
143	Evaluation of GRACE filter tools from a hydrological perspective. Geophysical Journal International, 2009, 179, 1499-1515.	2.4	99
144	Using NHDPlus as the Land Base for the Noahâ€distributed Model. Transactions in GIS, 2009, 13, 363-377.	2.3	13

#	Article	IF	CITATIONS
145	Ensemble Data Assimilation Applied to RAINEX Observations of Hurricane Katrina (2005). Monthly Weather Review, 2009, 137, 2817-2829.	1.4	58
146	Forward-Looking Assimilation of MODIS-Derived Snow-Covered Area into a Land Surface Model. Journal of Hydrometeorology, 2009, 10, 130-148.	1.9	98
147	The role of land surface processes on the mesoscale simulation of the July 26, 2005 heavy rain event over Mumbai, India. Global and Planetary Change, 2009, 67, 87-103.	3.5	94
148	On the impact of urbanization on summertime thunderstorms in Atlanta: Two numerical model case studies. Atmospheric Research, 2009, 92, 172-189.	4.1	226
149	Regional spore dispersal as a factor in disease risk warnings for potato late blight: A proof of concept. Agricultural and Forest Meteorology, 2009, 149, 419-430.	4.8	37
150	Landâ€atmosphere coupling and diurnal temperature range over the contiguous United States. Geophysical Research Letters, 2009, 36, .	4.0	38
151	On the coupling strength between the land surface and the atmosphere: From viewpoint of surface exchange coefficients. Geophysical Research Letters, 2009, 36, .	4.0	144
152	Development of a land surface heating index–based method to locate regions of potential mesoscale circulation formation. Journal of Geophysical Research, 2009, 114, .	3.3	3
153	An Observational and Modeling Study of Characteristics of Urban Heat Island and Boundary Layer Structures in Beijing. Journal of Applied Meteorology and Climatology, 2009, 48, 484-501.	1.5	431
154	A Multiscale Modeling System: Developments, Applications, and Critical Issues. Bulletin of the American Meteorological Society, 2009, 90, 515-534.	3.3	128
155	On the Impact of WRF Model Vertical Grid Resolution on Midwest Summer Rainfall Forecasts. Weather and Forecasting, 2009, 24, 575-594.	1.4	58
156	Hot European Summers and the Role of Soil Moisture in the Propagation of Mediterranean Drought. Journal of Climate, 2009, 22, 4747-4758.	3.2	180
157	Development and Evaluation of a Coupled Photosynthesis-Based Gas Exchange Evapotranspiration Model (GEM) for Mesoscale Weather Forecasting Applications. Journal of Applied Meteorology and Climatology, 2009, 48, 349-368.	1.5	54
158	Impacts of urban expansion and future green planting on summer precipitation in the Beijing metropolitan area. Journal of Geophysical Research, 2009, 114, .	3.3	141
159	Influence of cloud condensation and giant cloud condensation nuclei on the development of precipitating trade wind cumuli in a large eddy simulation. Journal of Geophysical Research, 2009, 114, .	3.3	35
160	Evaluation of forest snow processes models (SnowMIP2). Journal of Geophysical Research, 2009, 114, .	3.3	290
161	Wind speed trends over the contiguous United States. Journal of Geophysical Research, 2009, 114, .	3.3	289
162	Evaluation of groundwater storage monitoring with the GRACE satellite: Case study of the High Plains aquifer central United States, Water Resources Research, 2009, 45	4.2	168

#	Article	IF	CITATIONS
163	Basinâ€scale, integrated observations of the early 21st century multiyear drought in southeast Australia. Water Resources Research, 2009, 45, .	4.2	287
164	2005 drought event in the Amazon River basin as measured by GRACE and estimated by climate models. Journal of Geophysical Research, 2009, 114, .	3.3	210
166	Glacier changes in Alaska: can mass-balance models explain GRACE mascon trends?. Annals of Glaciology, 2009, 50, 148-154.	1.4	14
167	National Urban Database and Access Portal Tool. Bulletin of the American Meteorological Society, 2009, 90, 1157-1168.	3.3	125
168	Linearization of NDVI Based on its Relationship with Vegetation Fraction. Photogrammetric Engineering and Remote Sensing, 2010, 76, 965-975.	0.6	30
169	Simulation of low clouds in the Southeast Pacific by the NCEP GFS: sensitivity to vertical mixing. Atmospheric Chemistry and Physics, 2010, 10, 12261-12272.	4.9	28
170	Use of NDVI and Land Surface Temperature for Drought Assessment: Merits and Limitations. Journal of Climate, 2010, 23, 618-633.	3.2	628
171	Study on the effects of land surface heterogeneities in temperature and moisture on annual scale regional climate simulation. Advances in Atmospheric Sciences, 2010, 27, 151-163.	4.3	4
172	MODIS Collection 5 global land cover: Algorithm refinements and characterization of new datasets. Remote Sensing of Environment, 2010, 114, 168-182.	11.0	2,752
173	Development and evaluation of a cloud-gap-filled MODIS daily snow-cover product. Remote Sensing of Environment, 2010, 114, 496-503.	11.0	214
174	Soil moisture influence on summertime surface air temperature over East Asia. Theoretical and Applied Climatology, 2010, 100, 221-226.	2.8	30
175	Data Assimilation Strategies in the Planetary Boundary Layer. Boundary-Layer Meteorology, 2010, 137, 237-269.	2.3	22
176	Evaluating a New Deposition Velocity Module in the Noah Land-Surface Model. Boundary-Layer Meteorology, 2010, 137, 271-290.	2.3	21
177	Soil Moisture Sensitivity to NRL-Blend High-Resolution Precipitation Products: Analysis of Simulations With Two Land Surface Models. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 32-48.	4.9	13
178	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. Journal of Hydrology, 2010, 387, 212-220.	5.4	14
179	Evaluation of a CMAQ simulation at high resolution over the UK for the calendar year 2003. Atmospheric Environment, 2010, 44, 2927-2939.	4.1	48
180	Simulating chemistry–aerosol–cloud–radiation–climate feedbacks over the continental U.S. using the online-coupled Weather Research Forecasting Model with chemistry (WRF/Chem). Atmospheric Environment, 2010, 44, 3568-3582.	4.1	200
181	Highâ€resolution modelling of the potential impact of land surface conditions on regional climate over Indochina associated with the diurnal precipitation cycle. International Journal of Climatology, 2010, 30, 2004-2020.	3.5	38

ARTICLE IF CITATIONS Likelihood parameter estimation for calibrating a soil moisture model using radar bakscatter. Remote 182 11.0 11 Sensing of Environment, 2010, 114, 2564-2574. Landâ€caused uncertainties in climate change simulations: a study with the COLA AGCM. Quarterly 2.7 Journal of the Royal Meteorological Society, 2010, 136, 819-824. Effects of soil moisture gradients on the path and the intensity of a West African squall line. 184 2.7 21 Quarterly Journal of the Royal Meteorological Society, 2010, 136, 2162-2175. Fog Prediction from a Multimodel Mesoscale Ensemble Prediction System. Weather and Forecasting, 119 2010, 25, 303-322. Infaunal Hydraulic Ecosystem Engineers: Cast of Characters and Impacts. Integrative and Comparative 186 2.0 55 Biology, 2010, 50, 176-187. Evaluating the Snow Crystal Size Distribution and Density Assumptions within a Single-Moment Microphysics Scheme. Monthly Weather Review, 2010, 138, 4254-4267. 1.4 Modeling and Forecasting the Onset and Duration of Severe Radiation Fog under Frost Conditions. 188 1.4 106 Monthly Weather Review, 2010, 138, 4237-4253. Performance Assessment of New Land Surface and Planetary Boundary Layer Physics in the WRF-ARW. 1.5 127 Journal of Applied Meteorology and Climatology, 2010, 49, 760-774. Growth of Spread in Convection-Allowing and Convection-Parameterizing Ensembles. Weather and 190 50 1.4 Forecasting, 2010, 25, 594-612. Satellite-Scale Snow Water Equivalent Assimilation into a High-Resolution Land Surface Model. Journal of Hydrometeorology, 2010, 11, 352-369. NARR's Atmospheric Water Cycle Components. Part II: Summertime Mean and Diurnal Interactions. 192 1.9 24 Journal of Hydrometeorology, 2010, 11, 1220-1233. 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. Monthly Weather 1.4 Review, 2010, 138, 3603-3622 The Roles of Surface-Observation Ensemble Assimilation and Model Complexity for Nowcasting of PBL 194 1.4 16 Profiles: A Factor Separation Analysis. Weather and Forecasting, 2010, 25, 1670-1690. Improving the Noah Land Surface Model in Arid Regions with an Appropriate Parameterization of the Thermal Roughness Length. Journal of Hydrometeorology, 2010, 11, 995-1006. 123 Environmental Controls on the Simulated Diurnal Cycle of Warm-Season Precipitation in the 196 78 1.7 Continental United States. Journals of the Atmospheric Sciences, 2010, 67, 1066-1090. Simulating the Effects of Irrigation over the United States in a Land Surface Model Based on Satellite-Derived Agricultural Data. Journal of Hydrometeorology, 2010, 11, 171-184. A Modeling Case Study of Mixed-Phase Clouds over the Southern Ocean and Tasmania. Monthly 198 1.4 21 Weather Review, 2010, 138, 839-862. Convection-Allowing and Convection-Parameterizing Ensemble Forecasts of a Mesoscale Convective 199 1.4 Vortex and Associated Severe Weather Environment. Weather and Forecasting, 2010, 25, 1052-1081.

#	Article	IF	CITATIONS
200	State of the Art and Trends in Wind Resource Assessment. Energies, 2010, 3, 1087-1141.	3.1	47
201	Simulating the IHOP_2002 Fair-Weather CBL with the WRF-ARW–Noah Modeling System. Part I: Surface Fluxes and CBL Structure and Evolution along the Eastern Track. Monthly Weather Review, 2010, 138, 722-744.	1.4	25
202	Assimilation of Satellite-Derived Skin Temperature Observations into Land Surface Models. Journal of Hydrometeorology, 2010, 11, 1103-1122.	1.9	128
203	Simulating the IHOP_2002 Fair-Weather CBL with the WRF-ARW–Noah Modeling System. Part II: Structures from a Few Kilometers to 100 km across. Monthly Weather Review, 2010, 138, 745-764.	1.4	40
204	Diagnosis of the Downstream Ridging Associated with Extratropical Transition Using Short-Term Ensemble Forecasts. Journals of the Atmospheric Sciences, 2010, 67, 817-833.	1.7	45
205	An Empirical Latent Heat Flux Parameterization for the Noah Land Surface Model. Journal of Applied Meteorology and Climatology, 2010, 49, 1696-1713.	1.5	14
206	How Much Do Different Land Models Matter for Climate Simulation? Part I: Climatology and Variability. Journal of Climate, 2010, 23, 3120-3134.	3.2	38
207	NARR's Atmospheric Water Cycle Components. Part I: 20-Year Mean and Annual Interactions. Journal of Hydrometeorology, 2010, 11, 1205-1219.	1.9	24
208	The sensitivity and optimization of the model parameters for the simulation of latent heat flux. , 2010, , \cdot		0
209	The NRL-Blend High Resolution Precipitation Product and its Application to Land Surface Hydrology. , 2010, , 85-104.		14
210	Contribution of land surface initialization to subseasonal forecast skill: First results from a multiâ€model experiment. Geophysical Research Letters, 2010, 37, .	4.0	330
211	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. Journal of Geophysical Research, 2010, 115, .	3.3	1
212	Quantifying parameter sensitivity, interaction, and transferability in hydrologically enhanced versions of the Noah land surface model over transition zones during the warm season. Journal of Geophysical Research, 2010, 115, .	3.3	131
213	Hydroclimate and variability in the Great Lakes region as derived from the North American Regional Reanalysis. Journal of Geophysical Research, 2010, 115, .	3.3	10
214	Realâ€ŧime weekly global green vegetation fraction derived from advanced very high resolution radiometerâ€based NOAA operational global vegetation index (GVI) system. Journal of Geophysical Research, 2010, 115, .	3.3	56
215	A heterogeneous land surface model initialization study. Journal of Geophysical Research, 2010, 115, .	3.3	12
216	Noah land surface model modifications to improve snowpack prediction in the Colorado Rocky Mountains. Journal of Geophysical Research, 2010, 115, .	3.3	122
217	Reply to comment by Qingyuan Han on "Metrics to describe the dynamical evolution of atmospheric moisture: Intercomparison of model (NARR) and observations (ISCCP)― Journal of Geophysical Research, 2010, 115, .	3.3	0

#	Article	IF	CITATIONS
218	Formation of mesoscale convective systems over the eastern Tibetan Plateau affected by plateauâ€scale heating contrasts. Journal of Geophysical Research, 2010, 115, .	3.3	46
219	Improving snow processes in the Noah land model. Journal of Geophysical Research, 2010, 115, .	3.3	46
220	Evaluation of the Global Land Data Assimilation System using global river discharge data and a sourceâ€ŧoâ€sink routing scheme. Water Resources Research, 2010, 46, .	4.2	113
221	A method for the determination of the hydraulic properties of soil from MODIS surface temperature for use in landâ€surface models. Water Resources Research, 2010, 46, .	4.2	37
222	Toward understanding the largeâ€scale landâ€atmosphere coupling in the models: Roles of different processes. Geophysical Research Letters, 2010, 37, .	4.0	31
223	Regional downscaling for stable water isotopes: A case study of an atmospheric river event. Journal of Geophysical Research, 2010, 115, .	3.3	87
224	Recent La Plata basin drought conditions observed by satellite gravimetry. Journal of Geophysical Research, 2010, 115, .	3.3	91
225	HYPROM hydrology surfaceâ€runoff prognostic model. Water Resources Research, 2010, 46, .	4.2	5
226	The Sensitivity of Simulated River Discharge to Land Surface Representation and Meteorological Forcings. Journal of Hydrometeorology, 2010, 11, 334-351.	1.9	40
227	Object-Based Analysis and Verification of WRF Model Precipitation in the Low- and Midlatitude Pacific Ocean. Monthly Weather Review, 2010, 138, 4561-4575.	1.4	19
228	The impact of soil depth on land surface energy and water fluxes in the North American Monsoon region. Journal of Arid Environments, 2010, 74, 564-571.	2.4	28
229	A soil moisture assimilation scheme using satellite-retrieved skin temperature in meso-scale weather forecast model. Atmospheric Research, 2010, 95, 333-352.	4.1	6
230	An examination of sensitivity of WRF/Chem predictions to physical parameterizations, horizontal grid spacing, and nesting options. Atmospheric Research, 2010, 97, 315-334.	4.1	148
231	Monitoring surface soil moisture and freeze-thaw state with the high-resolution radar of the Soil Moisture Active/Passive (SMAP) mission. , 2010, , .		9
232	The NCEP Climate Forecast System Reanalysis. Bulletin of the American Meteorological Society, 2010, 91, 1015-1058.	3.3	4,166
233	The Sensitivity Analysis, Optimization and Uncertainty Assessment of the Land Surface Model Parameters. , 2010, , .		0
234	Noah LSM Snow Model Diagnostics and Enhancements. Journal of Hydrometeorology, 2010, 11, 721-738.	1.9	137
235	Verification and Intercomparison of Multimodel Simulated Land Surface Hydrological Datasets over the United States. Journal of Hydrometeorology, 2011, 12, 531-555.	1.9	42

#	Article	IF	CITATIONS
236	Generation processes of mesoscale convective systems following midlatitude troughs around the Sichuan Basin. Journal of Geophysical Research, 2011, 116, .	3.3	21
237	Satellites measure recent rates of groundwater depletion in California's Central Valley. Geophysical Research Letters, 2011, 38, .	4.0	703
238	Global intercomparison of 12 land surface heat flux estimates. Journal of Geophysical Research, 2011, 116, .	3.3	309
239	Evaluating a satellite-derived global infrared land surface emissivity data set for use in radiative transfer modeling. Journal of Geophysical Research, 2011, 116, .	3.3	26
240	Evaluation of NARR and CLM3.5 outputs for surface water and energy budgets in the Mississippi River Basin. Journal of Geophysical Research, 2011, 116, .	3.3	25
241	The community Noah land surface model with multiparameterization options (Noah-MP): 1. Model description and evaluation with local-scale measurements. Journal of Geophysical Research, 2011, 116, .	3.3	1,626
242	The community Noah land surface model with multiparameterization options (Noah-MP): 2. Evaluation over global river basins. Journal of Geophysical Research, 2011, 116, .	3.3	475
243	A modeling study of the interaction between the Atlantic Warm Pool, the tropical Atlantic easterlies, and the Lesser Antilles. Journal of Geophysical Research, 2011, 116, .	3.3	16
244	The influence of the Atlantic Warm Pool on the Florida panhandle sea breeze. Journal of Geophysical Research, 2011, 116, .	3.3	34
245	Accumulation and melt dynamics of snowpack from a multiresolution regional climate model in the central Sierra Nevada, California. Journal of Geophysical Research, 2011, 116, .	3.3	35
246	A numerical study of interactions between surface forcing and sea breeze circulations and their effects on stagnation in the greater Houston area. Journal of Geophysical Research, 2011, 116, .	3.3	78
247	Parameter estimation of coupled water and energy balance models based on stationary constraints of surface states. Water Resources Research, 2011, 47, .	4.2	20
248	An alternate and robust approach to calibration for the estimation of land surface model parameters based on remotely sensed observations. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	15
249	An intercomparison of available soil moisture estimates from thermal infrared and passive microwave remote sensing and land surface modeling. Journal of Geophysical Research, 2011, 116, .	3.3	123
250	Numerical analysis of air-water-heat flow in unsaturated soil: Is it necessary to consider airflow in land surface models?. Journal of Geophysical Research, 2011, 116, .	3.3	68
251	Improving land surface temperature modeling for dry land of China. Journal of Geophysical Research, 2011, 116, .	3.3	408
252	Evaluation and application of a fine-resolution global data set in a semiarid mesoscale river basin with a distributed biosphere hydrological model. Journal of Geophysical Research, 2011, 116, .	3.3	64
253	Diagnosing the Sensitivity of Local Land–Atmosphere Coupling via the Soil Moisture–Boundary Layer Interaction. Journal of Hydrometeorology, 2011, 12, 766-786.	1.9	188

		CITATION	Report	
# 254	ARTICLE Development and Testing of Polar WRF. Part III: Arctic Land*. Journal of Climate, 2011, 24	, 26-48.	IF 3.2	CITATIONS
255	A Regional Modeling Study of Climate Change Impacts on Warm-Season Precipitation in t United States*. Journal of Climate, 2011, 24, 1985-2002.	he Central	3.2	66
256	Soil Moisture Drought in China, 1950–2006. Journal of Climate, 2011, 24, 3257-3271.		3.2	392
257	Impacts of Urban Processes and Urbanization on Summer Precipitation: A Case Study of H in Beijing on 1 August 2006. Journal of Applied Meteorology and Climatology, 2011, 50, 8	łeavy Rainfall 06-825.	1.5	232
258	Impact of the Urban Heat Island Effect on Precipitation over a Complex Geographic Enviro Northern Taiwan. Journal of Applied Meteorology and Climatology, 2011, 50, 339-353.	nment in	1.5	117
259	Performance of Noah land surface model over the tropical semi-arid conditions in western Atmospheric Research, 2011, 99, 85-96.	India.	4.1	21
260	Role of land surface parameterizations on modeling cold-pooling events and low-level jets Atmospheric Research, 2011, 99, 147-161.		4.1	16
261	Coupled land-atmosphere modeling of the effects of shrub encroachment on nighttime te Agricultural and Forest Meteorology, 2011, 151, 1690-1697.	mperatures.	4.8	19
262	A comparison of multiple phenology data sources for estimating seasonal transitions in de forest carbon exchange. Agricultural and Forest Meteorology, 2011, 151, 1741-1752.	eciduous	4.8	146
263	Surface currents and winds at the Delaware Bay mouth. Continental Shelf Research, 2011	, 31, 1282-1293.	1.8	20
264	Land–Atmosphere Coupling Strength in the Global Forecast System. Journal of Hydrom 2011, 12, 147-156.	eteorology,	1.9	24
265	A Study of the Urban Boundary Layer Using Different Urban Parameterizations and High-R Urban Canopy Parameters with WRF. Journal of Applied Meteorology and Climatology, 20 1107-1128.	esolution 11, 50,	1.5	241
266	The role of the land surface processes in the rainfall generated by a landfall typhoon: A sin the typhoon Sepat (2007). Asia-Pacific Journal of Atmospheric Sciences, 2011, 47, 63-77.	iulation of	2.3	10
267	Stream recession curves and storage variability in small watersheds. Hydrology and Earth Sciences, 2011, 15, 2377-2389.	System	4.9	76
268	Coupling of Important Physical Processes in the Planetary Boundary Layer between Metec and Chemistry Models for Regional to Continental Scale Air Quality Forecasting: An Overv Atmosphere, 2011, 2, 464-483.	prological view.	2.3	21
269	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust r 1: Model description, annual simulations and evaluation. Atmospheric Chemistry and Phys 13001-13027.	nodel – Part sics, 2011, 11,	4.9	198
270	Characterizing summertime chemical boundary conditions for airmasses entering the US Atmospheric Chemistry and Physics, 2011, 11, 1769-1790.	West Coast.	4.9	90
271	CO source contribution analysis for California during ARCTAS-CARB. Atmospheric Chemis Physics, 2011, 11, 7515-7532.	try and	4.9	79

#	Article	IF	CITATIONS
272	An investigation of methods for injecting emissions from boreal wildfires using WRF-Chem during ARCTAS. Atmospheric Chemistry and Physics, 2011, 11, 5719-5744.	4.9	47
273	The role of unbalanced mesoscale circulations in dust storms. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	10
274	Confronting the WRF and RAMS mesoscale models with innovative observations in the Netherlands: Evaluating the boundary layer heat budget. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	37
275	Annual and interannual variations in terrestrial water storage during and following a period of drought in South Carolina, USA. Journal of Hydrology, 2011, 409, 472-482.	5.4	8
276	Development of a Satellite Land Data Assimilation System Coupled With a Mesoscale Model in the Tibetan Plateau. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2847-2862.	6.3	28
277	Predicting intertidal organism temperatures with modified land surface models. Ecological Modelling, 2011, 222, 3568-3576.	2.5	42
278	Back-trajectory-based source apportionment of airborne sulfur and nitrogen concentrations at Rocky Mountain National Park, Colorado, USA. Atmospheric Environment, 2011, 45, 621-633.	4.1	40
279	Mechanisms responsible for the build-up of ozone over South East England during the August 2003 heatwave. Atmospheric Environment, 2011, 45, 6880-6890.	4.1	20
280	Determination of the concentration of aerosol particles in a vertical atmospheric column from satellite measurements of the spectral optical depth. Journal of Applied Spectroscopy, 2011, 78, 738-745.	0.7	3
281	Evaluation of a Photosynthesis-Based Canopy Resistance Formulation in the Noah Land-Surface Model. Boundary-Layer Meteorology, 2011, 138, 263-284.	2.3	36
282	Intercomparison of Planetary Boundary-Layer Parametrizations in the WRF Model for a Single Day from CASES-99. Boundary-Layer Meteorology, 2011, 139, 261-281.	2.3	287
283	Simulating cold season snowpack: Impacts of snow albedo and multi-layer snow physics. Climatic Change, 2011, 109, 95-117.	3.6	319
284	Dynamical downscaling of ERA-40 in complex terrain using the WRF regional climate model. Climate Dynamics, 2011, 37, 1551-1564.	3.8	182
285	Estimation of regional evapotranspiration in the extended Salado Basin (Argentina) from satellite gravity measurements. Hydrogeology Journal, 2011, 19, 629-639.	2.1	21
286	Groundwater storage variability and annual recharge using well-hydrograph and GRACE satellite data. Hydrogeology Journal, 2011, 19, 741-755.	2.1	58
287	A multimodel ensemble-based Kalman filter for the retrieval of soil moisture profiles. Advances in Atmospheric Sciences, 2011, 28, 195-206.	4.3	7
288	Impacts of land process on the onset and evolution of Asian summer monsoon in the NCEP climate forecast system. Advances in Atmospheric Sciences, 2011, 28, 1301-1317.	4.3	20
289	Black sea annual and inter-annual water mass variations from space. Journal of Geodesy, 2011, 85, 119-127.	3.6	4

#	Article	IF	CITATIONS
290	Sensitivity of simulated short-range high-temperature weather to land surface schemes by WRF. Science China Earth Sciences, 2011, 54, 581-590.	5.2	18
291	Highâ€resolution simulation over central Europe: assimilation experiments during COPS IOP 9c. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 156-175.	2.7	43
292	The Twentieth Century Reanalysis Project. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 1-28.	2.7	2,785
293	The integrated WRF/urban modelling system: development, evaluation, and applications to urban environmental problems. International Journal of Climatology, 2011, 31, 273-288.	3.5	875
294	Improvement of snowpack simulations in a regional climate model. Hydrological Processes, 2011, 25, 2202-2210.	2.6	6
295	A method for estimating soil moisture storage in regions under water stress and storage depletion: a case study of Hai River Basin, North China. Hydrological Processes, 2011, 25, 2275-2287.	2.6	19
296	Estimating evapotranspiration using an observation based terrestrial water budget. Hydrological Processes, 2011, 25, 4082-4092.	2.6	113
297	Estimating evapotranspiration with land data assimilation systems. Hydrological Processes, 2011, 25, 3979-3992.	2.6	78
298	An independent component analysis filtering approach for estimating continental hydrology in the GRACE gravity data. Remote Sensing of Environment, 2011, 115, 187-204.	11.0	74
299	On the suitability of the 4°×4° GRACE mascon solutions for remote sensing Australian hydrology. Remote Sensing of Environment, 2011, 115, 864-875.	11.0	60
300	Numerical Simulations of the Postsunrise Reorganization of a Nocturnal Mesoscale Convective System during 13 June IHOP_2002. Journals of the Atmospheric Sciences, 2011, 68, 2988-3011.	1.7	32
301	Evaluating the hydro-estimator satellite rainfall algorithm over a mountainous region. International Journal of Remote Sensing, 2011, 32, 7315-7342.	2.9	18
302	Mesocirculation Associated with Summer Convection over the Central Antilles. Earth Interactions, 2011, 15, 1-19.	1.5	6
303	Drought onset and recovery over the United States. Journal of Geophysical Research, 2011, 116, .	3.3	96
304	The Joint UK Land Environment Simulator (JULES), model description – Part 1: Energy and water fluxes. Geoscientific Model Development, 2011, 4, 677-699.	3.6	993
305	Regional climate consequences of large-scale cool roof and photovoltaic array deployment. Environmental Research Letters, 2011, 6, 034001.	5.2	136
306	Gridded meteorological data as a resource for mechanistic macroecology in coastal environments. , 2011, 21, 2678-2690.		24
307	Ensemble Evaluation of Hydrologically Enhanced Noah-LSM: Partitioning of the Water Balance in High-Resolution Simulations over the Little Washita River Experimental Watershed. Journal of Hydrometeorology, 2011, 12, 45-64.	1.9	16

#	Article	IF	CITATIONS
308	Drought Indices Based on the Climate Forecast System Reanalysis and Ensemble NLDAS. Journal of Hydrometeorology, 2011, 12, 181-205.	1.9	70
309	Summer-Season Forecast Experiments with the NCEP Climate Forecast System Using Different Land Models and Different Initial Land States. Journal of Climate, 2011, 24, 2319-2334.	3.2	15
310	Modulation of Cold-Season U.S. Daily Precipitation by the Madden–Julian Oscillation. Journal of Climate, 2011, 24, 5157-5166.	3.2	71
311	Improving Land Data Assimilation Performance with a Water Budget Constraint. Journal of Hydrometeorology, 2011, 12, 1040-1055.	1.9	27
312	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. Monthly Weather Review, 2011, 139, 3673-3693.	1.4	39
313	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. Monthly Weather Review, 2011, 139, 3694-3710.	1.4	47
314	A Proposed Model-Based Methodology for Feature-Specific Prediction for High-Impact Weather. Weather and Forecasting, 2011, 26, 243-249.	1.4	16
315	Improving Numerical Weather Predictions of Summertime Precipitation over the Southeastern United States through a High-Resolution Initialization of the Surface State. Weather and Forecasting, 2011, 26, 785-807.	1.4	42
316	A New Characterization of the Land Surface Heterogeneity over Africa for Use in Land Surface Models. Journal of Hydrometeorology, 2011, 12, 1321-1336.	1.9	8
317	The Second Phase of the Global Land–Atmosphere Coupling Experiment: Soil Moisture Contributions to Subseasonal Forecast Skill. Journal of Hydrometeorology, 2011, 12, 805-822.	1.9	296
318	Quantifying the thermodynamic entropy budget of the land surface: is this useful?. Earth System Dynamics, 2011, 2, 87-103.	7.1	39
319	Propagating Subsurface Uncertainty to the Atmosphere Using Fully Coupled Stochastic Simulations. Journal of Hydrometeorology, 2011, 12, 690-701.	1.9	35
321	Dynamic Downscaling of the North American Monsoon with the NCEP–Scripps Regional Spectral Model from the NCEP CFS Global Model. Journal of Climate, 2011, 24, 653-673.	3.2	13
322	Orographic Influences on an Oahu Flood. Monthly Weather Review, 2011, 139, 2198-2217.	1.4	9
323	Improving High-Resolution Model Forecasts of Downslope Winds in the Las Vegas Valley. Journal of Applied Meteorology and Climatology, 2011, 50, 1324-1340.	1.5	6
324	Effects of Surface Heat and Moisture Exchange on ARW-WRF Warm-Season Precipitation Forecasts over the Central United States. Weather and Forecasting, 2011, 26, 3-25.	1.4	38
325	A New Single-Layer Urban Canopy Model for Use in Mesoscale Atmospheric Models. Journal of Applied Meteorology and Climatology, 2011, 50, 1773-1794.	1.5	83
326	Recurrent Supersynoptic Evolution of the Great Plains Low-Level Jet. Journal of Climate, 2011, 24, 575-582.	3.2	23

ARTICLE IF CITATIONS High-Resolution Coupled Climate Runoff Simulations of Seasonal Snowfall over Colorado: A Process 327 3.2 400 Study of Current and Warmer Climate. Journal of Climate, 2011, 24, 3015-3048. Development of a Coupled Groundwaterâ€"Atmosphere Model. Monthly Weather Review, 2011, 139, 96-116. 1.4 Assessment of Forecasts during Persistent Valley Cold Pools in the Bonneville Basin by the North 329 1.4 17 American Mesoscale Model. Weather and Forecasting, 2011, 26, 447-467. Object-Based Evaluation of a Storm-Scale Ensemble during the 2009 NOAA Hazardous Weather Testbed Spring Experiment. Monthly Weather Review, 2012, 141, 1079-1098. Sensitivity of 0–12-h Warm-Season Precipitation Forecasts over the Central United States to Model 331 1.4 49 Initialization. Weather and Forecasting, 2012, 27, 832-855. Assimilation of Satellite-Observed Snow Albedo in a Land Surface Model. Journal of Hydrometeorology, 2012, 13, 1119-1130. Reducing Water Imbalance in Land Data Assimilation: Ensemble Filtering without Perturbed 333 1.9 7 Observations. Journal of Hydrometeorology, 2012, 13, 413-420. Uncertainties in North American Land Data Assimilation Systems over the Contiguous United States. 334 1.9 49 Journal of Hydrometeorology, 2012, 13, 996-1009. The Diurnal Cycle of Precipitation from Continental Radar Mosaics and Numerical Weather Prediction 335 Models. Part II: Intercomparison among Numerical Models and with Nowcasting. Monthly Weather 1.4 41 Review, 2012, 140, 2689-2705. Integration of Lidar Data into a Coupled Mesoscale–Land Surface Model: A Theoretical Assessment of Sensitivity of Urban–Coastal Mesoscale Circulations to Urban Canopy Parameters. Journal of 1.3 34 Atmospheric and Oceanic Technology, 2012, 29, 328-346. An Operation-Based Scheme for a Multiyear and Multipurpose Reservoir to Enhance Macroscale 337 1.9 50 Hydrologic Models. Journal of Hydrometeorology, 2012, 13, 270-283. Can a Regional Climate Model Improve the Ability to Forecast the North American Monsoon?. Journal 3.2 of Climate, 2012, 25, 8212-8237 Surface Skin Temperature and the Interplay between Sensible and Ground Heat Fluxes over Arid 339 1.9 45 Regions. Journal of Hydrometeorology, 2012, 13, 1359-1370. Understanding Simulated Extreme Precipitation Events in Madison, Wisconsin, and the Role of Moisture Flux Convergence during the Late Twentieth and Twenty-First Centuries*. Journal of Hydrometeorology, 2012, 13, 877-894. 340 The Role of Windward-Side Diabatic Heating in Sierra Nevada Spillover Precipitation. Journal of 341 1.9 13 Hydrometeorology, 2012, 13, 1172-1194. The HWRF Hurricane Ensemble Data Assimilation System (HEDAS) for High-Resolution Data: The Impact of Airborne Doppler Radar Observations in an OSSE. Monthly Weather Review, 2012, 140, 1843-1862. 342 1.4 Regional Climate–Weather Research and Forecasting Model. Bulletin of the American Meteorological 343 3.3 129 Society, 2012, 93, 1363-1387. Assimilating AIRS Temperature and Mixing Ratio Profiles Using an Ensemble Kalman Filter Approach for 344 1.4 Convective-Scale Forecasts. Weather and Forecasting, 2012, 27, 541-564.

#	Article	IF	CITATIONS
345	A Global Intercomparison of Modeled and Observed Land–Atmosphere Coupling*. Journal of Hydrometeorology, 2012, 13, 749-784.	1.9	85
346	Numerical Simulation of Episodes of Organized Convection in Tropical Northern Africa. Monthly Weather Review, 2012, 140, 2874-2886.	1.4	19
347	Simulating the Regional Impacts of Urbanization and Anthropogenic Heat Release on Climate across China. Journal of Climate, 2012, 25, 7187-7203.	3.2	150
348	A Global Atmospheric Analysis Dataset Downscaled from the NCEP–DOE Reanalysis. Journal of Climate, 2012, 25, 2527-2534.	3.2	10
349	Comparison of Ensemble Kalman Filter–Based Forecasts to Traditional Ensemble and Deterministic Forecasts for a Case Study of Banded Snow. Weather and Forecasting, 2012, 27, 85-105.	1.4	5
350	Representation of Terrestrial Hydrology and Large-Scale Drought of the Continental United States from the North American Regional Reanalysis. Journal of Hydrometeorology, 2012, 13, 856-876.	1.9	42
353	Some Observational Evidence for Dry Soils Supporting Enhanced Relative Humidity at the Convective Boundary Layer Top. Journal of Hydrometeorology, 2012, 13, 1347-1358.	1.9	31
354	Land surface Verification Toolkit (LVT) – a generalized framework for land surface model evaluation. Geoscientific Model Development, 2012, 5, 869-886.	3.6	54
355	Investigation of Large-Scale Atmospheric Moisture Budget and Land Surface Interactions over U.S. Southern Great Plains including for CLASIC (June 2007). Journal of Hydrometeorology, 2012, 13, 1719-1738.	1.9	21
356	Assessing the Performance of Multiple Regional Climate Model Simulations for Seasonal Mountain Snow in the Upper Colorado River Basin. Journal of Hydrometeorology, 2012, 13, 539-556.	1.9	39
357	Application of a Lightning Data Assimilation Technique in the WRF-ARW Model at Cloud-Resolving Scales for the Tornado Outbreak of 24 May 2011. Monthly Weather Review, 2012, 140, 2609-2627.	1.4	117
358	Spatial-Scale Characteristics of Precipitation Simulated by Regional Climate Models and the Implications for Hydrological Modeling. Journal of Hydrometeorology, 2012, 13, 1817-1835.	1.9	27
359	Land Cover Change Effects on the Climate of the La Plata Basin. Journal of Hydrometeorology, 2012, 13, 84-102.	1.9	53
360	Water Balances along an Urban-to-Rural Gradient of Metropolitan Baltimore, 2001-2009. Environmental and Engineering Geoscience, 2012, 18, 37-50.	0.9	74
361	Meteorological Impacts of Forest Mortality due to Insect Infestation in Colorado. Earth Interactions, 2012, 16, 1-11.	1.5	19
362	Characteristics of Drought and Persistent Wet Spells over the United States in the Atmosphere–Land–Ocean Coupled Model Experiments. Earth Interactions, 2012, 16, 1-26.	1.5	5
363	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model – Part 2: Experimental campaigns in Northern Africa. Atmospheric Chemistry and Physics, 2012, 12, 2933-2958.	4.9	87
364	Effects of Different Landâ€Surface Schemes on the Simulation of a Heavy Rainfall Event by WRF. Chinese Journal of Geophysics, 2012, 55, 394-408.	0.2	14

#	Article	IF	CITATIONS
365	SO ₂ over central China: Measurements, numerical simulations and the tropospheric sulfur budget. Journal of Geophysical Research, 2012, 117, .	3.3	55
366	WRF ensemble downscaling seasonal forecasts of China winter precipitation during 1982–2008. Climate Dynamics, 2012, 39, 2041-2058.	3.8	60
367	Evaporation-precipitation variability over Indian Ocean and its assessment in NCEP Climate Forecast System (CFSv2). Climate Dynamics, 2012, 39, 2585-2608.	3.8	62
368	Spin-up behavior of soil moisture content over East Asia in a land surface model. Meteorology and Atmospheric Physics, 2012, 118, 151-161.	2.0	30
369	To improve model soil moisture estimation in arid/semi-arid region using in situ and remote sensing information. Paddy and Water Environment, 2012, 10, 165-173.	1.8	3
370	Decadal variations of land surface temperature anomalies observed over the Tibetan Plateau by the Special Sensor Microwave Imager (SSM/I) from 1987 to 2008. Climatic Change, 2012, 114, 769-781.	3.6	66
371	Performance of the experimental HWRF in the 2008 Hurricane Season. Natural Hazards, 2012, 63, 1439-1449.	3.4	33
372	An HWRF-based ensemble assessment of the land surface feedback on the post-landfall intensification of Tropical Storm Fay (2008). Natural Hazards, 2012, 63, 1543-1571.	3.4	19
373	An approach for siting poplar energy production systems to increase productivity and associated ecosystem services. Forest Ecology and Management, 2012, 284, 45-58.	3.2	44
374	Verification and Calibration of Neighborhood and Object-Based Probabilistic Precipitation Forecasts from a Multimodel Convection-Allowing Ensemble. Monthly Weather Review, 2012, 140, 3054-3077.	1.4	52
375	Toward Improving High-Resolution Numerical Hurricane Forecasting: Influence of Model Horizontal Grid Resolution, Initialization, and Physics. Weather and Forecasting, 2012, 27, 647-666.	1.4	126
376	Comparisons of Single- and Double-Moment Microphysics Schemes in the Simulation of a Synoptic-Scale Snowfall Event. Monthly Weather Review, 2012, 140, 2982-3002.	1.4	48
377	Evaluation of the Reanalysis Products from GSFC, NCEP, and ECMWF Using Flux Tower Observations. Journal of Climate, 2012, 25, 1916-1944.	3.2	284
378	Feedback between windblown dust and planetary boundary-layer characteristics: Sensitivity to boundary and surface layer parameterizations. Atmospheric Environment, 2012, 61, 294-304.	4.1	45
379	An urban "green planning―approach utilizing the Weather Research and Forecasting (WRF) modeling system. A case study of Athens, Greece. Landscape and Urban Planning, 2012, 105, 174-183.	7.5	63
380	On the capabilities of the multi-channel singular spectrum method for extracting the main periodic and non-periodic variability from weekly GRACE data. Journal of Geodynamics, 2012, 54, 64-78.	1.6	46
381	Noah-GEM and Land Data Assimilation System (LDAS) based downscaling of global reanalysis surface fields: Evaluations using observations from a CarboEurope agricultural site. Computers and Electronics in Agriculture, 2012, 86, 55-74.	7.7	11
382	A comparison of methods for a priori bias correction in soil moisture data assimilation. Water Resources Research, 2012, 48, .	4.2	126

#	Article	IF	CITATIONS
383	Hydrological deformation induced by the West African Monsoon: Comparison of GPS, GRACE and loading models. Journal of Geophysical Research, 2012, 117, .	3.3	71
384	Impact of gasâ€phase mechanisms on Weather Research Forecasting Model with Chemistry (WRF/Chem) predictions: Mechanism implementation and comparative evaluation. Journal of Geophysical Research, 2012, 117, .	3.3	63
385	Continentalâ€scale water and energy flux analysis and validation for the North American Land Data Assimilation System project phase 2 (NLDASâ€2): 1. Intercomparison and application of model products. Journal of Geophysical Research, 2012, 117, .	3.3	530
386	Continentalâ€scale water and energy flux analysis and validation for North American Land Data Assimilation System project phase 2 (NLDASâ€2): 2. Validation of modelâ€simulated streamflow. Journal of Geophysical Research, 2012, 117, .	3.3	229
387	Effect of an extratropical mesoscale convective system on water vapor transport in the upper troposphere/lower stratosphere: A modeling study. Journal of Geophysical Research, 2012, 117, .	3.3	7
388	Evaluation and improvements of two community models in simulating dry deposition velocities for peroxyacetyl nitrate (PAN) over a coniferous forest. Journal of Geophysical Research, 2012, 117, .	3.3	27
389	Detecting inhomogeneities in the Twentieth Century Reanalysis over the central United States. Journal of Geophysical Research, 2012, 117, .	3.3	60
390	An assessment of surface soil temperature products from numerical weather prediction models using groundâ€based measurements. Water Resources Research, 2012, 48, .	4.2	45
391	Multiscale assimilation of Advanced Microwave Scanning Radiometer–EOS snow water equivalent and Moderate Resolution Imaging Spectroradiometer snow cover fraction observations in northern Colorado. Water Resources Research, 2012, 48, .	4.2	147
392	Monitoring groundwater storage changes in the highly seasonal humid tropics: Validation of GRACE measurements in the Bengal Basin. Water Resources Research, 2012, 48, .	4.2	176
393	An ensemble Kalman filter dual assimilation of thermal infrared and microwave satellite observations of soil moisture into the Noah land surface model. Water Resources Research, 2012, 48, .	4.2	55
394	Distributed assimilation of satelliteâ€based snow extent for improving simulated streamflow in mountainous, dense forests: An example over the DMIP2 western basins. Water Resources Research, 2012, 48, .	4.2	23
395	An objective methodology for merging satellite―and modelâ€based soil moisture products. Water Resources Research, 2012, 48, .	4.2	93
396	Assessing surface water consumption using remotelyâ€sensed groundwater, evapotranspiration, and precipitation. Geophysical Research Letters, 2012, 39, .	4.0	38
397	Subâ€kilometer dynamical downscaling of nearâ€surface winds in complex terrain using WRF and MM5 mesoscale models. Journal of Geophysical Research, 2012, 117, .	3.3	78
398	Response and sensitivity of the nocturnal boundary layer over land to added longwave radiative forcing. Journal of Geophysical Research, 2012, 117, .	3.3	66
399	Potential significance of photoexcited NO ₂ on global air quality with the NMMB/BSC chemical transport model. Journal of Geophysical Research, 2012, 117, .	3.3	42
400	Atmospheric forcing of the three-dimensional distribution of dust particles over Australia: A case study. Journal of Geophysical Research, 2012, 117, n/a-n/a.	3.3	19

ARTICLE IF CITATIONS Development and initial application of the globalâ€throughâ€urban weather research and forecasting 401 3.3 63 model with chemistry (GUae WRF/Chem). Journal of Geophysical Research, 2012, 117, . Reconstructing the 20th century highâ€resolution climate of the southeastern United States. Journal 3.3 of Geophysical Research, 2012, 117, . Quantifying the change in soil moisture modeling uncertainty from remote sensing observations 403 4.2 37 using Bayesian inference techniques. Water Resources Research, 2012, 48, . Estimates of evapotranspiration from MODIS and AMSR-E land surface temperature and moisture over 404 the Southern Great Plains. Remote Sensing of Environment, 2012, 127, 44-59. Soil Moisture, Snow, and Seasonal Streamflow Forecasts in the United States. Journal of 405 1.9 113 Hydrometeorology, 2012, 13, 189-203. A new approach for Bayesian model averaging. Science China Earth Sciences, 2012, 55, 1336-1344. 5.2 Numerical simulation of severe local storms over east India using WRF-NMM mesoscale model. 408 4.1 35 Atmospheric Research, 2012, 116, 161-184. Earth System Model, Modeling the Land Component of., 2012, , 139-168. 409 Seasonal climate hindcasts with Eta model nested in CPTEC coupled ocean–atmosphere general 410 2.8 13 circulation model. Theoretical and Applied Climatology, 2012, 110, 437-456. Impacts of the Lowest Model Level Height on the Performance of Planetary Boundary Layer 1.4 44 Parameterizations. Monthly Weather Review, 2012, 140, 664-682. Comparison of Simulated and Observed Continental Tropical Anvil Clouds and Their Radiative Heating 412 1.7 34 Profiles. Journals of the Atmospheric Sciences, 2012, 69, 2662-2681. The Influence of Shallow Convection on Tropical Cyclone Track Forecasts. Monthly Weather Review, 1.4 2012, 140, 2188-2197. Multimodel Analysis of Energy and Water Fluxes: Intercomparisons between Operational Analyses, a 414 1.9 24 Land Surface Model, and Remote Sensing. Journal of Hydrometeorology, 2012, 13, 3-26. Use of Landsat thermal imagery in monitoring evapotranspiration and managing water resources. Remote Sensing of Environment, 2012, 122, 50-65. 11.0 548 Assessment of the Weather Research and Forecasting/Chemistry Model to Simulate Ozone 416 2.33 Concentrations in March 2008 over Coastal Areas of the Sea of Japan. Atmosphere, 2012, 3, 288-319. Impact of Atmospheric Variability on Soil Moisture-Precipitation Coupling., 2012, , . Alternative methods to predict actual evapotranspiration illustrate the importance of accounting 418 3.3 9 for phenology \hat{a} €" Part 2: The event driven phenology model. Biogeosciences, 2012, 9, 161-177. Role of Patchy Snow Cover on the Planetary Boundary Layer Structure during Late Winter Observed 419 1.8 in the Central Tibetan Plateau. Journal of the Meteorological Society of Japan, 2012, 90C, 145-155.

#	Article	IF	CITATIONS
420	Assessment of the potential forecasting skill of a global hydrological model in reproducing the occurrence of monthly flow extremes. Hydrology and Earth System Sciences, 2012, 16, 4233-4246.	4.9	18
421	Advances in Disaster Modeling, Simulation and Visualization for Sandstorm Risk Management in North China. Remote Sensing, 2012, 4, 1337-1354.	4.0	19
422	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. Revista Brasileira De Meteorologia, 2012, 27, 377-387.	0.5	1
423	North American CO ₂ exchange: inter-comparison of modeled estimates with results from a fine-scale atmospheric inversion. Biogeosciences, 2012, 9, 457-475.	3.3	102
424	Impact of Parameterization of Physical Processes on Simulation of Track and Intensity of Tropical Cyclone Nargis (2008) with WRF-NMM Model. Scientific World Journal, The, 2012, 2012, 1-18.	2.1	32
425	Calibration and evaluation of a semi-distributed watershed model of Sub-Saharan Africa using GRACE data. Hydrology and Earth System Sciences, 2012, 16, 3083-3099.	4.9	54
426	Multi-criteria parameter estimation for the Unified Land Model. Hydrology and Earth System Sciences, 2012, 16, 3029-3048.	4.9	30
427	Space-based passive microwave soil moisture retrievals and the correction for a dynamic open water fraction. Hydrology and Earth System Sciences, 2012, 16, 1635-1645.	4.9	27
428	Towards an integrated soil moisture drought monitor for East Africa. Hydrology and Earth System Sciences, 2012, 16, 2893-2913.	4.9	129
429	On the utility of land surface models for agricultural drought monitoring. Hydrology and Earth System Sciences, 2012, 16, 3451-3460.	4.9	76
430	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. Hydrology and Earth System Sciences, 2012, 16, 3973-3988.	4.9	4
430 431	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. Hydrology and Earth System Sciences, 2012, 16, 3973-3988. Evaluation of NWP results for wintertime nocturnal boundaryâ€layer temperatures over Europe and Finland. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1440-1451.	4.9 2.7	4 65
430 431 432	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. Hydrology and Earth System Sciences, 2012, 16, 3973-3988. Evaluation of NWP results for wintertime nocturnal boundaryâ€layer temperatures over Europe and Finland. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1440-1451. Improvement of daytime land surface skin temperature over arid regions in the NCEP GFS model and its impact on satellite data assimilation. Journal of Geophysical Research, 2012, 117, .	4.9 2.7 3.3	4 65 72
430 431 432 433	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. Hydrology and Earth System Sciences, 2012, 16, 3973-3988.Evaluation of NWP results for wintertime nocturnal boundaryâ€kayer temperatures over Europe and Finland. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1440-1451.Improvement of daytime land surface skin temperature over arid regions in the NCEP GFS model and its impact on satellite data assimilation. Journal of Geophysical Research, 2012, 117, .The Land Surface Analysis in the NCEP Climate Forecast System Reanalysis. Journal of Hydrometeorology, 2012, 13, 1621-1630.	4.9 2.7 3.3 1.9	4 65 72 45
 430 431 432 433 434 	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. Hydrology and Earth System Sciences, 2012, 16, 3973-3988. Evaluation of NWP results for wintertime nocturnal boundaryâCayer temperatures over Europe and Finland. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1440-1451. Improvement of daytime land surface skin temperature over arid regions in the NCEP GFS model and its impact on satellite data assimilation. Journal of Geophysical Research, 2012, 117, . The Land Surface Analysis in the NCEP Climate Forecast System Reanalysis. Journal of Hydrometeorology, 2012, 13, 1621-1630. A land data assimilation system using the MODIS-derived land data and its application to numerical weather prediction in East Asia. Asia-Pacific Journal of Atmospheric Sciences, 2012, 48, 83-95.	4.9 2.7 3.3 1.9 2.3	4 65 72 45 17
 430 431 432 433 434 435 	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. Hydrology and Earth System Sciences, 2012, 16, 3973-3988.Evaluation of NWP results for wintertime nocturnal boundaryâ€kayer temperatures over Europe and Finland. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1440-1451.Improvement of daytime land surface skin temperature over arid regions in the NCEP GFS model and its impact on satellite data assimilation. Journal of Geophysical Research, 2012, 117, .The Land Surface Analysis in the NCEP Climate Forecast System Reanalysis. Journal of Hydrometeorology, 2012, 13, 1621-1630.A land data assimilation system using the MODIS-derived land data and its application to numerical weather prediction in East Asia. Asia-Pacific Journal of Atmospheric Sciences, 2012, 48, 83-95.The impact of observation systems on medium-range weather forecasting in a global forecast system. Asia-Pacific Journal of Atmospheric Sciences, 2012, 48, 159-170.	 4.9 2.7 3.3 1.9 2.3 2.3 	4 65 72 45 17
 430 431 432 433 434 435 436 	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. Hydrology and Earth System Sciences, 2012, 16, 3973-3988. Evaluation of NWP results for wintertime nocturnal boundaryâCkayer temperatures over Europe and Finland. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1440-1451. Improvement of daytime land surface skin temperature over arid regions in the NCEP GFS model and its impact on satellite data assimilation. Journal of Geophysical Research, 2012, 117, . The Land Surface Analysis in the NCEP Climate Forecast System Reanalysis. Journal of Hydrometeorology, 2012, 13, 1621-1630. A land data assimilation system using the MODIS-derived land data and its application to numerical weather prediction in East Asia. Asia-Pacific Journal of Atmospheric Sciences, 2012, 48, 83-95. The impact of observation systems on medium-range weather forecasting in a global forecast system. Asia-Pacific Journal of Atmospheric Sciences, 2012, 48, 159-170. Forecast of Low Visibility and Fog from NCEP: Current Status and Efforts. Pure and Applied Geophysics, 2012, 169, 895-909.	4.9 2.7 3.3 1.9 2.3 2.3 1.9	4 65 72 45 17 4 62

#	Article	IF	CITATIONS
438	An assessment of summer sensible heat flux on the Tibetan Plateau from eight data sets. Science China Earth Sciences, 2012, 55, 779-786.	5.2	62
439	Parameterizing soil organic carbon's impacts on soil porosity and thermal parameters for Eastern Tibet grasslands. Science China Earth Sciences, 2012, 55, 1001-1011.	5.2	120
440	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. Journal of Ocean University of China, 2012, 11, 301-314.	1.2	9
441	A simulation study of a heavy rainfall process over the Yangtze River valley using the two-way nesting approach. Advances in Atmospheric Sciences, 2012, 29, 731-743.	4.3	14
442	Anomalous climatic conditions associated with the El Niño Modoki during boreal winter of 2009. Climate Dynamics, 2012, 39, 227-238.	3.8	32
443	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, São Francisco and the Paraná River basins. Climate Dynamics, 2012, 38, 1829-1848.	3.8	232
444	A proxy for high-resolution regional reanalysis for the Southeast United States: assessment of precipitation variability in dynamically downscaled reanalyses. Climate Dynamics, 2012, 38, 2449-2466.	3.8	45
445	Examining evapotranspiration trends in Africa. Climate Dynamics, 2012, 38, 1849-1865.	3.8	51
446	Analysis of different weather research and forecasting radiation schemes' impact on the numerical simulation of a typical mesoscale convective weather in China. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 80, 68-72.	1.6	0
447	Evaluation of the meteorological forcing used for the Air Quality Model Evaluation International Initiative (AQMEII) air quality simulations. Atmospheric Environment, 2012, 53, 15-37.	4.1	111
448	Odour-impact assessment around a landfill site from weather-type classification, complaint inventory and numerical simulation. Journal of Environmental Management, 2012, 93, 85-94.	7.8	45
449	The distributed model intercomparison project – Phase 2: Motivation and design of the Oklahoma experiments. Journal of Hydrology, 2012, 418-419, 3-16.	5.4	74
450	Results of the DMIP 2 Oklahoma experiments. Journal of Hydrology, 2012, 418-419, 17-48.	5.4	97
451	A tightly bound soil–water scheme within an atmosphere–land–surface model. Journal of Hydrology, 2012, 452-453, 51-63.	5.4	5
452	Comparative analysis of relationships between NLDASâ€⊋ forcings and model outputs. Hydrological Processes, 2012, 26, 467-474.	2.6	78
453	Some Physical and Computational Issues in Land Surface Data Assimilation of Satellite Skin Temperatures. Pure and Applied Geophysics, 2012, 169, 401-414.	1.9	8
454	Predictability of dry season reforecasts over the tropical and the subâ€ŧropical South American region. International Journal of Climatology, 2013, 33, 1237-1247.	3.5	2
455	Improvement of the Noah land surface model for warm season processes: evaluation of water and energy flux simulation. Hydrological Processes, 2013, 27, 297-303.	2.6	59

#	Article	IF	CITATIONS
456	The Global/Regional Integrated Model system (GRIMs). Asia-Pacific Journal of Atmospheric Sciences, 2013, 49, 219-243.	2.3	134
457	Evaluation of the Complementary Relationship Using Noah Land Surface Model and North American Regional Reanalysis (NARR) Data to Estimate Evapotranspiration in Semiarid Ecosystems. Journal of Hydrometeorology, 2013, 14, 345-359.	1.9	38
458	The importance of crop growth modeling to interpret the î" ¹⁴ CO ₂ signature of annual plants. Global Biogeochemical Cycles, 2013, 27, 792-803.	4.9	22
459	Impact of U.S. west coastline inhomogeneity and synoptic forcing on winds, wind stress, and wind stress curl during upwelling season. Journal of Geophysical Research: Oceans, 2013, 118, 4036-4051.	2.6	14
460	CFSv2 ensemble prediction of the wintertime Arctic Oscillation. Climate Dynamics, 2013, 41, 1099-1116.	3.8	88
461	Assimilation and downscaling of satellite observed soil moisture over the Little River Experimental Watershed in Georgia, USA. Advances in Water Resources, 2013, 52, 19-33.	3.8	115
462	Large-Eddy Atmosphere–Land-Surface Modelling over Heterogeneous Surfaces: Model Development and Comparison with Measurements. Boundary-Layer Meteorology, 2013, 148, 333-356.	2.3	47
463	Short-Term Climate Extremes: Prediction Skill and Predictability. Journal of Climate, 2013, 26, 512-531.	3.2	45
464	Role of ocean–atmosphere interaction on northward propagation of Indian summer monsoon intra-seasonal oscillations (MISO). Climate Dynamics, 2013, 41, 1651-1669.	3.8	106
465	Climate variability and trends in downscaled high-resolution simulations and projections over Metropolitan France. Climate Dynamics, 2013, 41, 1419-1437.	3.8	22
466	Influence of Eurasian snow on Indian summer monsoon in NCEP CFSv2 freerun. Climate Dynamics, 2013, 41, 1801-1815.	3.8	62
467	Diagnostics of subseasonal prediction biases of the Asian summer monsoon by the NCEP climate forecast system. Climate Dynamics, 2013, 41, 1453-1474.	3.8	19
468	Water Deficit Duration and Severity Analysis Based on Runoff Derived from Noah Land Surface Model. Journal of Hydrologic Engineering - ASCE, 2013, 18, 817-833.	1.9	15
469	Objectively Determined Fair-Weather CBL Depths in the ARW-WRF Model and Their Comparison to CASES-97 Observations. Monthly Weather Review, 2013, 141, 30-54.	1.4	65
470	Experiments using new initial soil moisture conditions and soil map in the Eta model over La Plata Basin. Meteorology and Atmospheric Physics, 2013, 121, 119-136.	2.0	16
471	A return to wet conditions over Africa: 1995–2010. Theoretical and Applied Climatology, 2013, 111, 471-481.	2.8	22
472	An Intercomparison of Drought Indicators Based on Thermal Remote Sensing and NLDAS-2 Simulations with U.S. Drought Monitor Classifications. Journal of Hydrometeorology, 2013, 14, 1035-1056.	1.9	194
473	Model Bias in a Continuously Cycled Assimilation System and Its Influence on Convection-Permitting Forecasts. Monthly Weather Review, 2013, 141, 1263-1284.	1.4	83

#	Article	IF	CITATIONS
474	Verification of precipitable water vapour in highâ€resolution WRF simulations over a mountainous archipelago. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 2119-2133.	2.7	19
475	Use of In Situ and Airborne Multiangle Data to Assess MODIS- and Landsat-Based Estimates of Directional Reflectance and Albedo. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1393-1404.	6.3	90
476	Simulation of rainfall anomalies leading to the 2005 drought in Amazonia using the CLARIS LPB regional climate models. Climate Dynamics, 2013, 41, 2937-2955.	3.8	4
477	Wind over Terra Nova Bay (Antarctica) during a polynya event: Eta model simulations and satellite microwave observations. European Physical Journal Plus, 2013, 128, 1.	2.6	10
478	Asymmetric effects of soil moisture on mean daily maximum and minimum temperatures over eastern China. Meteorology and Atmospheric Physics, 2013, 122, 199-213.	2.0	21
479	Characterizing the surface radiation budget over the Tibetan Plateau with groundâ€measured, reanalysis, and remote sensing data sets: 1. Methodology. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9642-9657.	3.3	32
480	Influence of synoptic weather events on the isotopic composition of atmospheric moisture in a coastal city of the western United States. Water Resources Research, 2013, 49, 3685-3696.	4.2	26
481	Ensemble square root filter assimilation of near-surface soil moisture and reference-level observations into a coupled land surface-boundary layer model. Journal of Meteorological Research, 2013, 27, 541-555.	1.0	2
482	Improving simulation of a tropical cyclone using dynamical initialization and large-scale spectral nudging: A case study of Typhoon Megi (2010). Journal of Meteorological Research, 2013, 27, 455-475.	1.0	24
483	Erosion effects assessed by repeated gravity measurements in southern Taiwan. Geophysical Journal International, 2013, 192, 113-136.	2.4	15
484	Impact of Moisture Distribution Within the Sensing Depth on L- and C-Band Emission in Sandy Soils. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 887-899.	4.9	20
485	An Evaluation of Microwave Land Surface Emissivities Over the Continental United States to Benefit GPM-Era Precipitation Algorithms. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 378-398.	6.3	95
486	Assessing disagreement and tolerance of misclassification of satellite-derived land cover products used in WRF model applications. Advances in Atmospheric Sciences, 2013, 30, 125-141.	4.3	17
487	Patterns and cycles in the Climate Forecast System Reanalysis wind and wave data. Ocean Modelling, 2013, 70, 207-220.	2.4	119
488	A perspective on urban canopy layer modeling for weather, climate and air quality applications. Urban Climate, 2013, 3, 13-39.	5.7	72
489	Characterization of spatio-temporal patterns for various GRACE- and GLDAS-born estimates for changes of global terrestrial water storage. Global and Planetary Change, 2013, 109, 30-37.	3.5	51
490	Simulated hydroclimatic impacts of projected Brazilian sugarcane expansion. Geophysical Research Letters, 2013, 40, 972-977.	4.0	37
491	Validation of Noah-Simulated Soil Temperature in the North American Land Data Assimilation System Phase 2. Journal of Applied Meteorology and Climatology, 2013, 52, 455-471.	1.5	49

#	Article	IF	CITATIONS
492	Verification of Convection-Allowing WRF Model Forecasts of the Planetary Boundary Layer Using Sounding Observations. Weather and Forecasting, 2013, 28, 842-862.	1.4	139
493	Evaluation of groundwater depletion in North China using the Gravity Recovery and Climate Experiment (GRACE) data and groundâ€based measurements. Water Resources Research, 2013, 49, 2110-2118.	4.2	598
494	Assimilating satellite-based snow depth and snow cover products for improving snow predictions in Alaska. Advances in Water Resources, 2013, 54, 208-227.	3.8	93
495	Satellite based estimates of terrestrial water storage variations in Turkey. Journal of Geodynamics, 2013, 67, 106-110.	1.6	34
496	Regional-scale river flow modeling using off-the-shelf runoff products, thousands of mapped rivers and hundreds of stream flow gauges. Environmental Modelling and Software, 2013, 42, 116-132.	4.5	39
497	The simulation of European heat waves from an ensemble of regional climate models within the EURO-CORDEX project. Climate Dynamics, 2013, 41, 2555-2575.	3.8	290
498	The NASA-Goddard Multi-scale Modeling Framework–Land Information System: Global land/atmosphere interaction with resolved convection. Environmental Modelling and Software, 2013, 39, 103-115.	4.5	23
499	Impact of vegetation fraction from Indian geostationary satellite on short-range weather forecast. Agricultural and Forest Meteorology, 2013, 168, 82-92.	4.8	17
500	Summer-time climate impacts of projected megapolitan expansion in Arizona. Nature Climate Change, 2013, 3, 37-41.	18.8	168
501	Intraseasonal SST-precipitation relationship and its spatial variability over the tropical summer monsoon region. Climate Dynamics, 2013, 41, 45-61.	3.8	105
502	Comparing the results of precipitation forecast based on mesoscale models on the territory of Iran during the cold season. Russian Meteorology and Hydrology, 2013, 38, 605-613.	1.3	9
503	Evaluating Soil Water Content in a WRF-Noah Downscaling Experiment. Journal of Applied Meteorology and Climatology, 2013, 52, 2312-2327.	1.5	28
504	On the twenty-first-century wet season projections over the Southeastern United States. Regional Environmental Change, 2013, 13, 153-164.	2.9	12
505	Regional climate impacts of a biofuels policy projection. Geophysical Research Letters, 2013, 40, 1217-1222.	4.0	15
506	Further Improvement on GPU-Based Parallel Implementation of WRF 5-Layer Thermal Diffusion Scheme. , 2013, , .		3
507	Impact of Land Model Calibration on Coupled Land–Atmosphere Prediction. Journal of Hydrometeorology, 2013, 14, 1373-1400.	1.9	36
508	Multiscale Evaluation of the Improvements in Surface Snow Simulation through Terrain Adjustments to Radiation. Journal of Hydrometeorology, 2013, 14, 220-232.	1.9	25
509	NOAA's Second-Generation Global Medium-Range Ensemble Reforecast Dataset. Bulletin of the American Meteorological Society, 2013, 94, 1553-1565.	3.3	287

#	Article	IF	CITATIONS
510	Effect of High-Resolution Meteorological Forcing on Nearshore Wave and Current Model Performance. Journal of Atmospheric and Oceanic Technology, 2013, 30, 1021-1037.	1.3	27
511	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. Monthly Weather Review, 2013, 141, 2390-2415.	1.4	92
512	Simulation of the spatial distribution of mineral dust and its direct radiative forcing over Australia. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 19856.	1.6	11
513	The Dependence of QPF on the Choice of Microphysical Parameterization for Lake-Effect Snowstorms. Journal of Applied Meteorology and Climatology, 2013, 52, 363-377.	1.5	23
514	Forecasting the New York City Urban Heat Island and Sea Breeze during Extreme Heat Events. Weather and Forecasting, 2013, 28, 1460-1477.	1.4	56
515	Simulation and Dynamical Prediction of the Summer Asian–Pacific Oscillation and Associated Climate Anomalies by the NCEP CFSv2. Journal of Climate, 2013, 26, 3644-3656.	3.2	12
516	A WRF Ensemble for Improved Wind Speed Forecasts at Turbine Height. Weather and Forecasting, 2013, 28, 212-228.	1.4	71
518	Object-Based Evaluation of the Impact of Horizontal Grid Spacing on Convection-Allowing Forecasts. Monthly Weather Review, 2013, 141, 3413-3425.	1.4	56
519	Calibration and Validation of the Integrated Biosphere Simulator (IBIS) for a Brazilian Semiarid Region. Journal of Applied Meteorology and Climatology, 2013, 52, 2753-2770.	1.5	16
520	Atmosphere–Land Surface Interactions over the Southern Great Plains: Characterization from Pentad Analysis of DOE ARM Field Observations and NARR. Journal of Climate, 2013, 26, 875-886.	3.2	33
521	A Modeling Study of Irrigation Effects on Surface Fluxes and Land–Air–Cloud Interactions in the Southern Great Plains. Journal of Hydrometeorology, 2013, 14, 700-721.	1.9	139
522	Diagnosing Forecast Errors in Tropical Cyclone Motion. Monthly Weather Review, 2013, 141, 405-430.	1.4	85
523	Incremental Correction for the Dynamical Downscaling of Ensemble Mean Atmospheric Fields. Monthly Weather Review, 2013, 141, 3087-3101.	1.4	26
524	Intensification of Hurricane Sandy (2012) through Extratropical Warm Core Seclusion. Monthly Weather Review, 2013, 141, 4296-4321.	1.4	93
525	The Impact of Large-Scale Forcing on Skill of Simulated Convective Initiation and Upscale Evolution with Convection-Allowing Grid Spacings in the WRF*. Weather and Forecasting, 2013, 28, 994-1018.	1.4	55
526	Response of Simulated Surface Air Temperature to the Interannual Variability of Leaf Area Index in Eastern China. Advances in Meteorology, 2013, 2013, 1-10.	1.6	3
527	Low level jet intensification by mineral dust aerosols. Annales Geophysicae, 2013, 31, 625-632.	1.6	53
528	Sensitivity of Bow-Echo Simulation to Microphysical Parameterizations. Weather and Forecasting, 2013, 28, 1188-1209.	1.4	45

#	Article	IF	CITATIONS
529	Assimilation of High-Resolution Tropical Cyclone Observations with an Ensemble Kalman Filter Using NOAA/AOML/HRD's HEDAS: Evaluation of the 2008–11 Vortex-Scale Analyses. Monthly Weather Review, 2013, 141, 1842-1865.	1.4	53
530	Impact of Flow Dependence, Column Covariance, and Forecast Model Type on Surface-Observation Assimilation for Probabilistic PBL Profile Nowcasts. Weather and Forecasting, 2013, 28, 29-54.	1.4	3
531	Diagnosing the Nature of Land–Atmosphere Coupling: A Case Study of Dry/Wet Extremes in the U.S. Southern Great Plains. Journal of Hydrometeorology, 2013, 14, 3-24.	1.9	86
532	Connecting Satellite Observations with Water Cycle Variables Through Land Data Assimilation: Examples Using the NASA GEOS-5 LDAS. Space Sciences Series of ISSI, 2013, , 577-606.	0.0	7
533	Land Use and Land Cover Changes and Their Impacts on Hydroclimate, Ecosystems and Society. , 2013, , 185-203.		12
534	Representation of Soil Moisture Feedbacks during Drought in NASA Unified WRF (NU-WRF). Journal of Hydrometeorology, 2013, 14, 360-367.	1.9	62
535	Enhancing the representation of subgrid land surface characteristics in land surface models. Geoscientific Model Development, 2013, 6, 1609-1622.	3.6	20
536	Downscaling a global climate model to simulate climate change over the US and the implication on regional and urban air quality. Geoscientific Model Development, 2013, 6, 1429-1445.	3.6	38
537	Modeling the influence of open water surfaces on the summertime temperature and thermal comfort in the city. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8881-8896.	3.3	174
538	Development of a Coupled Land Surface Hydrologic Model and Evaluation at a Critical Zone Observatory. Journal of Hydrometeorology, 2013, 14, 1401-1420.	1.9	85
539	Implications of biofuel policyâ€driven land cover change for rainfall erosivity and soil erosion in the United States. GCB Bioenergy, 2013, 5, 713-722.	5.6	19
540	Sensitivity study of soil moisture on the temporal evolution of surface temperature over bare surfaces. International Journal of Remote Sensing, 2013, 34, 3314-3331.	2.9	58
541	Significance of surface water in the terrestrial water budget: A case study in the Prairie Coteau using GRACE, GLDAS, Landsat, and groundwater well data. Water Resources Research, 2013, 49, 5756-5764.	4.2	19
542	Quantitative analysis of Bora events in the Adriatic Sea by means of SAR-based techniques and the ETA model. , 2013, , .		0
543	The role of snowâ€surface coupling, radiation, and turbulent mixing in modeling a stable boundary layer over Arctic sea ice. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1199-1217.	3.3	63
545	Assessing summertime urban air conditioning consumption in a semiarid environment. Environmental Research Letters, 2013, 8, 034022.	5.2	68
546	A multisensor evaluation of the Asymmetric Convective Model, Version 2, in Southeast Texas. Journal of the Air and Waste Management Association, 2013, 63, 41-53.	1.9	7
547	Overview of the North American Land Data Assimilation System (NLDAS). , 2013, , 337-377.		9

#	Article	IF	CITATIONS
548	Diagnosing Present and Future Permafrost from Climate Models. Journal of Climate, 2013, 26, 5608-5623.	3.2	258
549	Development and evaluation of a mosaic approach in the WRFâ€Noah framework. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,918.	3.3	106
550	Application of WRF/Chem-MADRID and WRF/Polyphemus in Europe – Part 1: Model description, evaluation of meteorological predictions, and aerosol–meteorology interactions. Atmospheric Chemistry and Physics, 2013, 13, 6807-6843.	4.9	45
551	Effect of land cover on atmospheric processes and air quality over the continental United States – a NASA Unified WRF (NU-WRF) model study. Atmospheric Chemistry and Physics, 2013, 13, 6207-6226.	4.9	67
552	Regional parameter estimation for the unified land model. Water Resources Research, 2013, 49, 100-114.	4.2	19
553	Simulating smoke transport from wildland fires with a regionalâ€scale air quality model: Sensitivity to uncertain wind fields. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6493-6504.	3.3	34
554	Antarctica, Greenland and Gulf of Alaska land-ice evolution from an iterated GRACE global mascon solution. Journal of Glaciology, 2013, 59, 613-631.	2.2	341
555	Representing and evaluating the landscape freeze/thaw properties and their impacts on soil impermeability: Hydrological processes in the community land model version 4. Journal of Geophysical Research D: Atmospheres, 2013, 118, 7542-7557.	3.3	3
556	Nonhydrostatic nested climate modeling: A case study of the 2010 summer season over the western United States. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,944.	3.3	11
557	Reâ€examination of the lâ€5 dust storm. Journal of Geophysical Research D: Atmospheres, 2013, 118, 627-642.	3.3	7
558	State of the Art in Large-Scale Soil Moisture Monitoring. Soil Science Society of America Journal, 2013, 77, 1888-1919.	2.2	335
559	Estimating Total Discharge in the Yangtze River Basin Using Satellite-Based Observations. Remote Sensing, 2013, 5, 3415-3430.	4.0	36
560	Potential impact of land use change on future regional climate in the Southeastern U.S.: Reforestation and crop land conversion. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,577.	3.3	29
561	The SURFEXv7.2 land and ocean surface platform for coupled or offline simulation of earth surface variables and fluxes. Geoscientific Model Development, 2013, 6, 929-960.	3.6	527
562	Monitoring daily evapotranspiration in Northeast Asia using MODIS and a regional Land Data Assimilation System. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,927.	3.3	36
563	Subtropicalâ€polar jet interactions in Southern Plains dust storms. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,893.	3.3	4
564	The COsmic-ray Soil Moisture Interaction Code (COSMIC) for use in data assimilation. Hydrology and Earth System Sciences, 2013, 17, 3205-3217.	4.9	64
565	A Remote-Sensing Driven Tool for Estimating Crop Stress and Yields. Remote Sensing, 2013, 5, 3331-3356.	4.0	18

#	ARTICLE	IF	CITATIONS
566	Results from a full coupling of the HIRHAM regional climate model and the MIKE SHE hydrological model for a Danish catchment. Hydrology and Farth System Sciences, 2014, 18, 4733-4749.	4.9	34
567	The Effects of Great Plains Irrigation on the Surface Energy Balance, Regional Circulation, and Precipitation. Climate, 2014, 2, 103-128.	2.8	63
568	Preliminary Evaluation of a Regional Atmospheric Chemical Data Assimilation System for Environmental Surveillance. International Journal of Environmental Research and Public Health, 2014, 11, 12795-12816.	2.6	2
569	Translating aboveground cosmic-ray neutron intensity to high-frequency soil moisture profiles at sub-kilometer scale. Hydrology and Earth System Sciences, 2014, 18, 4363-4379.	4.9	46
570	Development of a hybrid variational-ensemble data assimilation technique for observed lightning tested in a mesoscale model. Nonlinear Processes in Geophysics, 2014, 21, 1027-1041.	1.3	12
571	High-resolution land surface modeling utilizing remote sensing parameters and the Noah UCM: a case study in the Los Angeles Basin. Hydrology and Earth System Sciences, 2014, 18, 4791-4806.	4.9	23
572	Disentangling the response of forest and grassland energy exchange to heatwaves under idealized land–atmosphere coupling. Biogeosciences, 2014, 11, 6159-6171.	3.3	40
573	Evaluating the Utah Energy Balance (UEB) snow model in the Noah land-surface model. Hydrology and Earth System Sciences, 2014, 18, 3553-3570.	4.9	15
574	Change in the contribution of spring snow cover and remote oceans to summer air temperature anomaly over Northeast China around 1990. Journal of Geophysical Research D: Atmospheres, 2014, 119, 663-676.	3.3	34
575	A seasonal agricultural drought forecast system for food-insecure regions of East Africa. Hydrology and Earth System Sciences, 2014, 18, 3907-3921.	4.9	113
576	Use of the Parcel Buoyancy Minimum (Bmin) to Diagnose Simulated Thermodynamic Destabilization. Part I: Methodology and Case Studies of MCS Initiation Environments. Monthly Weather Review, 2014, 142, 945-966.	1.4	18
577	Use of the Parcel Buoyancy Minimum (Bmin) to Diagnose Simulated Thermodynamic Destabilization. Part II: Composite Analysis of Mature MCS Environments. Monthly Weather Review, 2014, 142, 967-990.	1.4	13
578	A sensitivity study of high-resolution regional climate simulations to three land surface models over the western United States. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7271-7291.	3.3	57
579	WRF Model Sensitivity to Land Surface Model and Cumulus Parameterization under Short-Term Climate Extremes over the Southern Great Plains of the United States. Journal of Climate, 2014, 27, 7703-7724.	3.2	45
580	A Numerical Study of Typhoon Megi (2010). Part I: Rapid Intensification. Monthly Weather Review, 2014, 142, 29-48.	1.4	103
581	Regional Model Simulations of the 2008 Drought in Southern South America Using a Consistent Set of Land Surface Properties. Journal of Climate, 2014, 27, 6754-6778.	3.2	38
582	Energy Partitioning and Evapotranspiration over a Rice Paddy in Southern Brazil. Journal of Hydrometeorology, 2014, 15, 1975-1988.	1.9	37
583	Dynamical Prediction of the Early Season Rainfall over Southern China by the NCEP Climate Forecast System. Weather and Forecasting, 2014, 29, 1391-1401.	1.4	9

#	Article	IF	CITATIONS
584	Performance Assessment of a New Stationarity-Based Parameter Estimation Method with a Simplified Land Surface Model Using In Situ and Remotely Sensed Surface States. Journal of Hydrometeorology, 2014, 15, 340-358.	1.9	1
585	Objective Drought Classification Using Multiple Land Surface Models. Journal of Hydrometeorology, 2014, 15, 990-1010.	1.9	62
586	Intraseasonal Modulation of Synoptic-Scale Disturbances and Tropical Cyclone Genesis in the Eastern North Pacific. Journal of Climate, 2014, 27, 5724-5745.	3.2	30
587	A Dryline in Southeast Wyoming. Part I: Multiscale Analysis Using Observations and Modeling on 22 June 2010. Monthly Weather Review, 2014, 142, 268-289.	1.4	13
588	Assessing Impacts of Integrating MODIS Vegetation Data in the Weather Research and Forecasting (WRF) Model Coupled to Two Different Canopy-Resistance Approaches. Journal of Applied Meteorology and Climatology, 2014, 53, 1362-1380.	1.5	53
589	Summer Soil Moisture Spatiotemporal Variability in Southeastern Arizona. Journal of Hydrometeorology, 2014, 15, 1473-1485.	1.9	18
590	Using Varied Microphysics to Account for Uncertainty in Warm-Season QPF in a Convection-Allowing Ensemble. Monthly Weather Review, 2014, 142, 2198-2219.	1.4	39
591	A Study of the Role of Daytime Land–Atmosphere Interactions on Nocturnal Convective Activity in the Southern Great Plains during CLASIC. Journal of Hydrometeorology, 2014, 15, 1932-1953.	1.9	14
592	Summer Season Squall-Line Simulations: Sensitivity of Gravity Waves to Physics Parameterization and Implications for Their Parameterization in Global Climate Models. Journals of the Atmospheric Sciences, 2014, 71, 3376-3391.	1.7	17
593	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. Monthly Weather Review, 2014, 142, 183-202.	1.4	64
594	Multiscale Characteristics and Evolution of Perturbations for Warm Season Convection-Allowing Precipitation Forecasts: Dependence on Background Flow and Method of Perturbation. Monthly Weather Review, 2014, 142, 1053-1073.	1.4	49
595	An Examination of Meteorological and Soil Moisture Conditions in the Babocomari River Basin before the Flood Event of 2008. Journal of Hydrometeorology, 2014, 15, 243-260.	1.9	6
596	Evaluation of the Reanalysis Products for the Monsoon Season Droughts in India. Journal of Hydrometeorology, 2014, 15, 1575-1591.	1.9	76
597	Sea State Determination from Ship-Based Geodetic GPS. Journal of Atmospheric and Oceanic Technology, 2014, 31, 2556-2564.	1.3	11
599	A MODIS-Based Global 1-km Maximum Green Vegetation Fraction Dataset. Journal of Applied Meteorology and Climatology, 2014, 53, 1996-2004.	1.5	75
600	Assessing the Predictability of Convection Initiation in the High Plains Using an Object-Based Approach. Weather and Forecasting, 2014, 29, 403-418.	1.4	34
601	Assimilation of Lightning Data Using a Nudging Method Involving Low-Level Warming. Monthly Weather Review, 2014, 142, 4850-4871.	1.4	37
602	Air temperature distribution over Mongolia using dynamical downscaling and statistical correction. International Journal of Climatology, 2014, 34, 2464-2476.	3.5	11

#	Article	IF	CITATIONS
603	Assimilation of Remotely Sensed Soil Moisture and Snow Depth Retrievals for Drought Estimation. Journal of Hydrometeorology, 2014, 15, 2446-2469.	1.9	167
604	Water Balance in the Amazon Basin from a Land Surface Model Ensemble. Journal of Hydrometeorology, 2014, 15, 2586-2614.	1.9	66
605	Verification of Numerical Weather Prediction Model Results for Energy Applications in Latvia. Energy Procedia, 2014, 59, 213-220.	1.8	11
606	Periodicity and patterns of ocean wind and wave climate. Journal of Geophysical Research: Oceans, 2014, 119, 5563-5584.	2.6	51
607	Influence of various land surface parameterization schemes on the simulation of Western Disturbances. Meteorological Applications, 2014, 21, 635-643.	2.1	12
608	Impact of refined land surface properties on the simulation of a heavy convective rainfall process in the Pearl River Delta region, China. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 645-655.	2.3	12
609	Comparing Large-Scale Hydrological Model Predictions with Observed Streamflow in the Pacific Northwest: Effects of Climate and Groundwater*. Journal of Hydrometeorology, 2014, 15, 2501-2521.	1.9	29
610	The NCEP Climate Forecast System Version 2. Journal of Climate, 2014, 27, 2185-2208.	3.2	2,402
611	A multiscale analysis of drought and pluvial mechanisms for the Southeastern United States. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7348-7367.	3.3	34
612	Estimating Runoff Using Hydro-Geodetic Approaches. Surveys in Geophysics, 2014, 35, 1333-1359.	4.6	65
613	A Trial to Improve Surface Heat Exchange Simulation through Sensitivity Experiments over a Desert Steppe Site. Journal of Hydrometeorology, 2014, 15, 664-684.	1.9	18
614	Achieving accurate simulations of urban impacts on ozone at high resolution. Environmental Research Letters, 2014, 9, 114019.	5.2	17
615	Combining MODIS and AMSR-E observations to improve MCD43A3 short-time snow-covered Albedo estimation. Hydrological Processes, 2014, 28, 570-580.	2.6	3
616	El Niño adversely affected childhood stature and lean mass in northern Peru. Climate Change Responses, 2014, 1, .	2.6	18
617	Evaluation of the Parameter Sensitivities of a Coupled Land Surface Hydrologic Model at a Critical Zone Observatory. Journal of Hydrometeorology, 2014, 15, 279-299.	1.9	29
618	Assessment of Roughness Length Schemes Implemented within the Noah Land Surface Model for High-Altitude Regions. Journal of Hydrometeorology, 2014, 15, 921-937.	1.9	55
619	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. Hydrological Processes, 2014, 28, 853-867.	2.6	33
620	Suitability mapping of global wetland areas and validation with remotely sensed data. Science China Earth Sciences, 2014, 57, 2283-2292.	5.2	25

#	Article	IF	CITATIONS
621	A slab model of the Great Salt Lake for regional climate simulation. Journal of Advances in Modeling Earth Systems, 2014, 6, 602-615.	3.8	13
622	Impacts of forest harvest on cold season land surface conditions and landâ€atmosphere interactions in northern <scp>G</scp> reat <scp>L</scp> akes states. Journal of Advances in Modeling Earth Systems, 2014, 6, 923-937.	3.8	6
623	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. Chinese Physics B, 2014, 23, 109101.	1.4	2
624	Regional climate modeling on European scales: a joint standard evaluation of the EURO-CORDEX RCM ensemble. Geoscientific Model Development, 2014, 7, 1297-1333.	3.6	711
625	A Prototype Global Drought Information System Based on Multiple Land Surface Models. Journal of Hydrometeorology, 2014, 15, 1661-1676.	1.9	56
626	Progress in integrating remote sensing data and hydrologic modeling. Progress in Physical Geography, 2014, 38, 464-498.	3.2	77
627	Physically-based modifications to the Sacramento Soil Moisture Accounting model. Part A: Modeling the effects of frozen ground on the runoff generation process. Journal of Hydrology, 2014, 519, 3475-3491.	5.4	44
628	Hydrologic implications of errors in bias-corrected regional reanalysis data for west central Florida. Journal of Hydrology, 2014, 510, 513-529.	5.4	23
629	Mass-induced sea level variations in the Red Sea from GRACE, steric-corrected altimetry, in situ bottom pressure records, and hydrographic observations. Journal of Geodynamics, 2014, 78, 1-7.	1.6	17
630	Impacts of landscape fragmentation on simulated precipitation fields in the Amazonian sub-basin of Ji-Paraná using the Eta model. Theoretical and Applied Climatology, 2014, 115, 121-140.	2.8	7
631	Assessment of future climate change over East Asia due to the RCP scenarios downscaled by GRIMs-RMP. Climate Dynamics, 2014, 42, 733-747.	3.8	136
632	The seasonal predictability of the Asian summer monsoon in a two-tiered forecast system. Climate Dynamics, 2014, 42, 2491-2507.	3.8	6
633	Clobal seasonal climate predictability in a two tiered forecast system. Part II: boreal winter and spring seasons. Climate Dynamics, 2014, 42, 1449-1468.	3.8	6
634	Global seasonal climate predictability in a two tiered forecast system: part I: boreal summer and fall seasons. Climate Dynamics, 2014, 42, 1425-1448.	3.8	12
635	Land-Surface Heterogeneity Effects in the Planetary Boundary Layer. Boundary-Layer Meteorology, 2014, 150, 1-31.	2.3	15
636	On the anomalous precipitation enhancement over the Himalayan foothills during monsoon breaks. Climate Dynamics, 2014, 43, 2009-2031.	3.8	59
637	Comparison of intra-seasonal forecast of Indian summer monsoon between two versions of NCEP coupled models. Theoretical and Applied Climatology, 2014, 118, 331-345.	2.8	11
638	An evaluation of the statistical homogeneity of the Twentieth Century Reanalysis. Climate Dynamics, 2014, 42, 2841-2866.	3.8	42
#	Article	IF	CITATIONS
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639	Evaluation of Noah-LSM for soil hydrology parameters in the Indian summer monsoon conditions. Theoretical and Applied Climatology, 2014, 118, 47-56.	2.8	4
640	A Real-Time MODIS Vegetation Product for Land Surface and Numerical Weather Prediction Models. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1772-1786.	6.3	36
641	Simulation of monsoon intraseasonal variability in NCEP CFSv2 and its role on systematic bias. Climate Dynamics, 2014, 43, 2725-2745.	3.8	84
642	Forcing mechanisms of a heavy precipitation event in the southeastern Adriatic area. Natural Hazards, 2014, 72, 1231-1252.	3.4	12
643	Atmospheric mesoscale conditions during the Boothbay meteotsunami: a numerical sensitivity study using a high-resolution mesoscale model. Natural Hazards, 2014, 74, 55-74.	3.4	24
644	Thirty-two-year ocean–atmosphere coupled downscaling of global reanalysis over the Intra-American Seas. Climate Dynamics, 2014, 43, 2471-2489.	3.8	20
645	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. Climate Dynamics, 2014, 43, 737-752.	3.8	11
646	Impact of land-atmospheric coupling in CFSv2 on drought prediction. Climate Dynamics, 2014, 43, 421-434.	3.8	38
647	Closing the Gaps in Our Knowledge of the Hydrological Cycle over Land: Conceptual Problems. Surveys in Geophysics, 2014, 35, 623-660.	4.6	58
648	The global distribution of mineral dust and its impacts on the climate system: A review. Atmospheric Research, 2014, 138, 152-165.	4.1	324
649	Effect of dead leaves on early spring dust emission in East Asia. Atmospheric Environment, 2014, 86, 35-46.	4.1	14
650	The "wind of 120days―and dust storm activity over the Sistan Basin. Atmospheric Research, 2014, 143, 328-341.	4.1	140
651	Geographical variation in climatic sensitivity of intertidal mussel zonation. Global Ecology and Biogeography, 2014, 23, 744-756.	5.8	38
652	WRF simulations of urban heat island under hot-weather synoptic conditions: The case study of Hangzhou City, China. Atmospheric Research, 2014, 138, 364-377.	4.1	154
653	The surface radiation budget over South America in a set of regional climate models from the CLARIS-LPB project. Climate Dynamics, 2014, 43, 1221-1239.	3.8	11
654	Intercomparison of wind and wave data from the ECMWF Reanalysis Interim and the NCEP Climate Forecast System Reanalysis. Ocean Modelling, 2014, 75, 65-83.	2.4	271
655	A Comparison of Microwave Window Channel Retrieved and Forward-Modeled Emissivities Over the U.S. Southern Great Plains. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2395-2412.	6.3	22
656	Mechanisms Governing the Persistence and Diurnal Cycle of a Heavy Rainfall Corridor. Journals of the Atmospheric Sciences, 2014, 71, 4102-4126.	1.7	29

#	Article	IF	CITATIONS
657	Objectively Determined Fair-Weather NBL Features in ARW-WRF and Their Comparison to CASES-97 Observations. Monthly Weather Review, 2014, 142, 2709-2732.	1.4	27
658	Large-Scale Runoff from Landmasses: A Global Assessment of the Closure of the Hydrological and Atmospheric Water Balances*. Journal of Hydrometeorology, 2014, 15, 2111-2139.	1.9	66
659	Influences of soil moisture and vegetation on convective precipitation forecasts over the United States Great Plains. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9338-9358.	3.3	33
660	Convectively Induced Secondary Circulations in Fine-Grid Mesoscale Numerical Weather Prediction Models. Monthly Weather Review, 2014, 142, 3284-3302.	1.4	119
661	Uncertainty in evapotranspiration from land surface modeling, remote sensing, and GRACE satellites. Water Resources Research, 2014, 50, 1131-1151.	4.2	394
662	A parametric model for classifying land cover and evaluating training data based on multi-temporal remote sensing data. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97, 219-228.	11.1	17
663	Urbanization and Rainfall Variability in the Beijing Metropolitan Region. Journal of Hydrometeorology, 2014, 15, 2219-2235.	1.9	62
664	Impact of Land Surface Processes on the South Asian Monsoon Simulations Using WRF Modeling System. Pure and Applied Geophysics, 2014, 171, 2461-2484.	1.9	20
665	The Third GABLS Intercomparison Case for Evaluation Studies of Boundary-Layer Models. Part B: Results and Process Understanding. Boundary-Layer Meteorology, 2014, 152, 157-187.	2.3	83
666	Evaluation of the Weather Research and Forecasting Mesoscale Model for GABLS3: Impact of Boundary-Layer Schemes, Boundary Conditions and Spin-Up. Boundary-Layer Meteorology, 2014, 152, 213-243.	2.3	105
667	Connecting Satellite Observations with Water Cycle Variables Through Land Data Assimilation: Examples Using the NASA GEOS-5 LDAS. Surveys in Geophysics, 2014, 35, 577-606.	4.6	54
668	Atmospheric processes responsible for generation of the 2008 Boothbay meteotsunami. Natural Hazards, 2014, 74, 25-53.	3.4	33
669	Evaluated Crop Evapotranspiration over a Region of Irrigated Orchards with the Improved ACASA–WRF Model. Journal of Hydrometeorology, 2014, 15, 744-758.	1.9	22
670	Observation system simulation experiments using water vapor isotope information. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7842-7862.	3.3	29
671	A Global Land Cover Climatology Using MODIS Data. Journal of Applied Meteorology and Climatology, 2014, 53, 1593-1605.	1.5	252
672	Improving modeled snow albedo estimates during the spring melt season. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7311-7331.	3.3	19
673	Spatial distribution of surface energy fluxes over the Loess Plateau in China and its relationship with climate and the environment. Science China Earth Sciences, 2014, 57, 2135-2147.	5.2	19
674	Impact of cloud microphysics and cumulus parameterization on simulation of heavy rainfall event during 7–9 October 2007 over Bangladesh. Journal of Earth System Science, 2014, 123, 259-279.	1.3	16

#	Article	IF	CITATIONS
675	Improvements in medium range weather forecasting system of India. Journal of Earth System Science, 2014, 123, 247-258.	1.3	24
676	Evaluation of Assumptions in Soil Moisture Triple Collocation Analysis. Journal of Hydrometeorology, 2014, 15, 1293-1302.	1.9	105
677	Integration of coastal inundation modeling from storm tides to individual waves. Ocean Modelling, 2014, 83, 26-42.	2.4	25
678	Designing a Suite of Models to Explore Critical Zone Function. Procedia Earth and Planetary Science, 2014, 10, 7-15.	0.6	40
679	Sensitivity of Near-Surface Temperature Forecasts to Soil Properties over a Sparsely Vegetated Dryland Region. Journal of Applied Meteorology and Climatology, 2014, 53, 1976-1995.	1.5	46
680	Aircraft wind measurements to assess a coupled <scp>WRFâ€CALMET</scp> mesoscale system. Meteorological Applications, 2014, 21, 117-128.	2.1	13
681	Evaluation of multi-model simulated soil moisture in NLDAS-2. Journal of Hydrology, 2014, 512, 107-125.	5.4	163
682	Lake level change and total water discharge in East Africa Rift Valley from satellite-based observations. Global and Planetary Change, 2014, 117, 79-90.	3.5	69
683	Long-term groundwater variations in Northwest India from satellite gravity measurements. Global and Planetary Change, 2014, 116, 130-138.	3.5	208
684	Comparison of prognostic and diagnostic surface flux modeling approaches over the Nile River basin. Water Resources Research, 2014, 50, 386-408.	4.2	68
685	Urban adaptation can roll back warming of emerging megapolitan regions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2909-2914.	7.1	392
686	An integrated modelling framework of catchmentâ€scale ecohydrological processes: 1. Model description and tests over an energyâ€limited watershed. Ecohydrology, 2014, 7, 427-439.	2.4	68
687	Quantifying the potential for high-altitude smoke injection in the North American boreal forest using the standard MODIS fire products and subpixel-based methods. Journal of Geophysical Research D: Atmospheres, 2014, 119, 3401-3419.	3.3	43
688	Characterization of Drought Development through Remote Sensing: A Case Study in Central Yunnan, China. Remote Sensing, 2014, 6, 4998-5018.	4.0	85
689	Assessment of simulated water balance from Noah, Noahâ€MP, CLM, and VIC over CONUS using the NLDAS test bed. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,751.	3.3	127
692	Improving mesoscale modeling using satelliteâ€derived land surface parameters in the Pearl River Delta region, China. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6325-6346.	3.3	48
693	Modeling seasonal snowpack evolution in the complex terrain and forested Colorado Headwaters region: A model intercomparison study. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,795.	3.3	95
694	Influence of irrigation on land hydrological processes over California. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,137.	3.3	35

#	Article	IF	Citations
695	Using a WRF simulation to examine regions where convection impacts the Asian summer monsoon anticyclone. Atmospheric Chemistry and Physics, 2014, 14, 2055-2070.	4.9	26
696	Surface-sensible and latent heat fluxes over the Tibetan Plateau from ground measurements, reanalysis, and satellite data. Atmospheric Chemistry and Physics, 2014, 14, 5659-5677.	4.9	60
697	Simulating the integrated summertime Δ ¹⁴ CO ₂ signature from anthropogenic emissions over Western Europe. Atmospheric Chemistry and Physics, 2014, 14, 7273-7290.	4.9	17
698	Impact of quality control of satellite soil moisture data on their assimilation into land surface model. Geophysical Research Letters, 2014, 41, 7159-7166.	4.0	34
699	The role of horizontal model resolution in assessing the transport of CO in a middle latitude cyclone using WRF-Chem. Atmospheric Chemistry and Physics, 2014, 14, 609-627.	4.9	18
700	Land-surface controls on afternoon precipitation diagnosed from observational data: uncertainties and confounding factors. Atmospheric Chemistry and Physics, 2014, 14, 8343-8367.	4.9	63
701	Sensitivity of high-temperature weather to initial soil moisture: a case study using the WRF model. Atmospheric Chemistry and Physics, 2014, 14, 9623-9639.	4.9	30
702	Contrasting Eurasian spring and summer climate anomalies associated with western and eastern Eurasian spring snow cover changes. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7410-7424.	3.3	49
703	Water Cycle and Climate Signals in Africa Observed by Satellite Gravimetry. IOP Conference Series: Earth and Environmental Science, 2014, 17, 012149.	0.3	8
704	Seasonal dependence of the urban heat island on the street canyon aspect ratio. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 2197-2210.	2.7	90
705	Improved simulation of Indian summer monsoon in latest <scp>NCEP</scp> climate forecast system free run. International Journal of Climatology, 2014, 34, 1628-1641.	3.5	100
706	Anthropogenic heating of the urban environment due to air conditioning. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5949-5965.	3.3	198
707	Hydrological evaluation of the Noahâ€MP land surface model for the Mississippi River Basin. Journal of Geophysical Research D: Atmospheres, 2014, 119, 23-38.	3.3	151
708	Parameter estimation of a physically based land surface hydrologic model using the ensemble Kalman filter: A synthetic experiment. Water Resources Research, 2014, 50, 706-724.	4.2	53
709	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. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,593-10,618.	3.3	69
710	WRFâ€simulated sensitivity to land surface schemes in short and medium ranges for a highâ€temperature event in <scp>E</scp> ast <scp>C</scp> hina: A comparative study. Journal of Advances in Modeling Earth Systems, 2015, 7, 1305-1325.	3.8	26
711	Fully coupled atmosphereâ€hydrology simulations for the central <scp>M</scp> editerranean: Impact of enhanced hydrological parameterization for short and long time scales. Journal of Advances in Modeling Earth Systems, 2015, 7, 1693-1715.	3.8	137
712	A hybrid model based on latest version of <scp>NCEP CFS</scp> coupled model for Indian monsoon rainfall forecast. Atmospheric Science Letters, 2015, 16, 10-21.	1.9	7

#	Article	IF	CITATIONS
713	A case study of urbanization impact on summer precipitation in the Greater Beijing Metropolitan Area: Urban heat island versus aerosol effects. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,903-10,914.	3.3	92
714	Simulating transient ice-ocean Ekman transport in the Regional Arctic System Model and Community Earth System Model. Annals of Glaciology, 2015, 56, 211-228.	1.4	34
715	Incorporating an advanced aerosol activation parameterization into WRFâ€CAM5: Model evaluation and parameterization intercomparison. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6952-6979.	3.3	21
716	An examination of methods for estimating land surface microwave emissivity. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,114.	3.3	19
717	Water balanceâ€based actual evapotranspiration reconstruction from ground and satellite observations over the conterminous <scp>U</scp> nited <scp>S</scp> tates. Water Resources Research, 2015, 51, 6485-6499.	4.2	79
718	A Comparison of Multiscale GSI-Based EnKF and 3DVar Data Assimilation Using Radar and Conventional Observations for Midlatitude Convective-Scale Precipitation Forecasts. Monthly Weather Review, 2015, 143, 3087-3108.	1.4	100
719	The Dependence of QPF on the Choice of Boundary- and Surface-Layer Parameterization for a Lake-Effect Snowstorm. Journal of Applied Meteorology and Climatology, 2015, 54, 1177-1190.	1.5	17
720	Diagnosis of Track Forecast Errors for Tropical Cyclone Rita (2005) Using GEFS Reforecasts. Weather and Forecasting, 2015, 30, 1334-1354.	1.4	8
721	Stepwise sensitivity analysis from qualitative to quantitative: Application to the terrestrial hydrological modeling of a Conjunctive Surfaceâ€6ubsurface Process (CSSP) land surface model. Journal of Advances in Modeling Earth Systems, 2015, 7, 648-669.	3.8	26
722	Evapotranspiration based on equilibrated relative humidity (ETRHEQ): Evaluation over the continental U.S Water Resources Research, 2015, 51, 2951-2973.	4.2	49
723	Drought onset mechanisms revealed by satellite solarâ€induced chlorophyll fluorescence: Insights from two contrasting extreme events. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2427-2440.	3.0	224
724	An intensified seasonal transition in the Central U.S. that enhances summer drought. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8804-8816.	3.3	21
725	Decomposition of sources of errors in seasonal streamflow forecasting over the U.S. Sunbelt. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,809.	3.3	31
726	Realistic simulations of atmospheric gravity waves over the continental U.S. using precipitation radar data. Journal of Advances in Modeling Earth Systems, 2015, 7, 823-835.	3.8	36
727	Underâ€canopy turbulence and root water uptake of a <scp>T</scp> ibetan meadow ecosystem modeled by <scp>N</scp> oahâ€ <scp>MP</scp> . Water Resources Research, 2015, 51, 5735-5755.	4.2	23
728	Effective soil moisture estimate and its uncertainty using multimodel simulation based on Bayesian Model Averaging. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8023-8042.	3.3	30
729	Parameter estimation of a physically-based land surface hydrologic model using an ensemble Kalman filter: A multivariate real-data experiment. Advances in Water Resources, 2015, 83, 421-427.	3.8	34
730	The IITM Earth System Model: Transformation of a Seasonal Prediction Model to a Long-Term Climate Model. Bulletin of the American Meteorological Society, 2015, 96, 1351-1367.	3.3	41

#	Article	IF	CITATIONS
731	Development and Evaluation of an Objective Criterion for the Real-Time Prediction of Indian Summer Monsoon Onset in a Coupled Model Framework. Journal of Climate, 2015, 28, 6234-6248.	3.2	18
732	Augmentations to the Noah Model Physics for Application to the Yellow River Source Area. Part I: Soil Water Flow. Journal of Hydrometeorology, 2015, 16, 2659-2676.	1.9	54
733	Benchmark analysis of forecasted seasonal temperature over different climatic areas. Geoscience Letters, 2015, 2, .	3.3	4
734	Longâ€ŧerm trend and variability of soil moisture over East Asia. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8658-8670.	3.3	89
735	A prototype physical database for passive microwave retrievals of precipitation over the US Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,465.	3.3	4
736	Improving the representation of hydrologic processes in Earth System Models. Water Resources Research, 2015, 51, 5929-5956.	4.2	366
737	Impact of Land-Use Change on Winter Precipitation in Hokkaido, Japan. Scientific Online Letters on the Atmosphere, 2015, 11, 95-99.	1.4	4
738	WRF-Chem model predictions of the regional impacts of N ₂ O ₅ heterogeneous processes on night-time chemistry over north-western Europe. Atmospheric Chemistry and Physics, 2015, 15, 1385-1409.	4.9	38
739	Regional-scale transport of air pollutants: impacts of Southern California emissions on Phoenix ground-level ozone concentrations. Atmospheric Chemistry and Physics, 2015, 15, 9345-9360.	4.9	15
740	Modelling the influence of urbanization on the 20th century temperature record of weather station De Bilt (The Netherlands). International Journal of Climatology, 2015, 35, 1732-1748.	3.5	11
741	Improved depiction of Indian summer monsoon in latest high resolution <scp>NCEP</scp> climate forecast system reanalysis. International Journal of Climatology, 2015, 35, 3102-3119.	3.5	10
742	Noah Modelling of the Permafrost Distribution and Characteristics in the West Kunlun Area, Qinghaiâ€Tibet Plateau, China. Permafrost and Periglacial Processes, 2015, 26, 160-174.	3.4	38
743	Global Maps of Streamflow Characteristics Based on Observations from Several Thousand Catchments*. Journal of Hydrometeorology, 2015, 16, 1478-1501.	1.9	136
744	Empirical Localization Functions for Ensemble Kalman Filter Data Assimilation in Regions with and without Precipitation. Monthly Weather Review, 2015, 143, 3664-3679.	1.4	20
745	An estimation of the landâ€atmosphere coupling strength in South America using the Global Land Data Assimilation System. International Journal of Climatology, 2015, 35, 4151-4166.	3.5	27
746	Methodical assessment of the differences between the QNSE and MYJ PBL schemes for stable conditions. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2077-2089.	2.7	19
747	Sensitivity of Central Oklahoma Convection Forecasts to Upstream Potential Vorticity Anomalies during Two Strongly Forced Cases during MPEX. Monthly Weather Review, 2015, 143, 4064-4087.	1.4	29
748	Improved NLDASâ€2 Noahâ€simulated hydrometeorological products with an interim run. Hydrological Processes, 2015, 29, 780-792.	2.6	21

#	Article	IF	CITATIONS
749	Simulating highâ€resolution soil moisture patterns in the Shale Hills watershed using a land surface hydrologic model. Hydrological Processes, 2015, 29, 4624-4637.	2.6	29
750	Evaluation of snow cover fraction for regional climate simulations in the Sierra Nevada. International Journal of Climatology, 2015, 35, 2472-2484.	3.5	34
751	Sensitivity of intensifying Atlantic hurricanes to vortex structure. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2538-2551.	2.7	14
752	Influence of antecedent soil moisture conditions on the synoptic meteorology of the Black Saturday bushfire event in southeast Australia. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 3118-3129.	2.7	33
753	The Thermodynamic and Microphysical Evolution of an Intense Snowband during the Northeast U.S. Blizzard of 8–9 February 2013. Monthly Weather Review, 2015, 143, 4104-4125.	1.4	17
754	Impact of revised cloud microphysical scheme in <scp>CFSv2</scp> on the simulation of the Indian summer monsoon. International Journal of Climatology, 2015, 35, 4738-4755.	3.5	40
755	Evaluating the utility of satellite soil moisture retrievals over irrigated areas and the ability of land data assimilation methods to correct for unmodeled processes. Hydrology and Earth System Sciences, 2015, 19, 4463-4478.	4.9	134
756	On inclusion of water resource management in Earth system models – Part 1: Problem definition and representation of water demand. Hydrology and Earth System Sciences, 2015, 19, 33-61.	4.9	147
757	The Role of Aerosol-Cloud-Radiation Interactions in Regional Air Quality—A NU-WRF Study over the United States. Atmosphere, 2015, 6, 1045-1068.	2.3	13
758	Evaluation of the 2010 MODIS Collection 5.1 Land Cover Type Product over China. Remote Sensing, 2015, 7, 1981-2006.	4.0	19
759	Frozen Soil Detection Based on Advanced Scatterometer Observations and Air Temperature Data as Part of Soil Moisture Retrieval. Remote Sensing, 2015, 7, 3206-3231.	4.0	29
760	Estimation of Surface Soil Moisture from Thermal Infrared Remote Sensing Using an Improved Trapezoid Method. Remote Sensing, 2015, 7, 8250-8270.	4.0	50
761	The Impact of Local Acquisition Time on the Accuracy of Microwave Surface Soil Moisture Retrievals over the Contiguous United States. Remote Sensing, 2015, 7, 13448-13465.	4.0	40
762	Directional Analysis of the Storm Surge from Hurricane Sandy 2012, with Applications to Charleston, New Orleans, and the Philippines. PLoS ONE, 2015, 10, e0122113.	2.5	11
763	Simulating diurnal variations over the southeastern United States. Journal of Geophysical Research D: Atmospheres, 2015, 120, 180-198.	3.3	10
764	A large-scale simulation model to assess karstic groundwater recharge over Europe and the Mediterranean. Geoscientific Model Development, 2015, 8, 1729-1746.	3.6	89
765	A Regional Land Use Drought Index for Florida. Remote Sensing, 2015, 7, 17149-17167.	4.0	17
766	A semi-Lagrangian advection scheme for radioactive tracers in the NCEP Regional Spectral Model (RSM). Geoscientific Model Development, 2015, 8, 3247-3255.	3.6	10

#	Article	IF	CITATIONS
767	Integrated modeling of aerosol, cloud, precipitation and land processes at satellite-resolved scales. Environmental Modelling and Software, 2015, 67, 149-159.	4.5	95
768	Identifying added value in high-resolution climate simulations over Scandinavia. Tellus, Series A: Dynamic Meteorology and Oceanography, 2015, 67, 24941.	1.7	17
769	Sources of discrepancies between satelliteâ€derived and land surface model estimates of latent heat fluxes. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2325-2341.	3.3	8
770	Blending satelliteâ€based snow depth products with in situ observations for streamflow predictions in the Upper Colorado River Basin. Water Resources Research, 2015, 51, 1182-1202.	4.2	32
771	Appraisal of NLDAS-2 Multi-Model Simulated Soil Moistures for Hydrological Modelling. Water Resources Management, 2015, 29, 3503-3517.	3.9	34
772	An Improvement of the Radiative Transfer Model Component of a Land Data Assimilation System and Its Validation on Different Land Characteristics. Remote Sensing, 2015, 7, 6358-6379.	4.0	15
773	A Comparison between Simulated and Observed Surface Energy Balance at the Svalbard Archipelago. Journal of Applied Meteorology and Climatology, 2015, 54, 1102-1119.	1.5	16
774	Impacts of the Decadal Urbanization on Thermally Induced Circulations in Eastern China. Journal of Applied Meteorology and Climatology, 2015, 54, 259-282.	1.5	25
775	Summertime Response of Temperature and Cooling Energy Demand to Urban Expansion in a Semiarid Environment. Journal of Applied Meteorology and Climatology, 2015, 54, 1756-1772.	1.5	21
776	Comparison of NLDAS-2 Simulated and NASMD Observed Daily Soil Moisture. Part I: Comparison and Analysis. Journal of Hydrometeorology, 2015, 16, 1962-1980.	1.9	77
777	Comparison of NLDAS-2 Simulated and NASMD Observed Daily Soil Moisture. Part II: Impact of Soil Texture Classification and Vegetation Type Mismatches. Journal of Hydrometeorology, 2015, 16, 1981-2000.	1.9	27
778	Characterising Brazilian biomass burning emissions using WRF-Chem with MOSAIC sectional aerosol. Geoscientific Model Development, 2015, 8, 549-577.	3.6	47
779	Progress and challenges in short- to medium-range coupled prediction. Journal of Operational Oceanography, 2015, 8, s239-s258.	1.2	34
780	Clouds in the Cloud: Weather Forecasts and Applications within Cloud Computing Environments. Bulletin of the American Meteorological Society, 2015, 96, 1369-1379.	3.3	23
781	A diagnostic study of the asymmetric distribution of rainfall during the landfall of typhoon Haitang (2005). Advances in Atmospheric Sciences, 2015, 32, 1419-1430.	4.3	11
782	Characterization of the Simulated Regional Snow Albedo Feedback Using a Regional Climate Model over Complex Terrain. Journal of Climate, 2015, 28, 7576-7595.	3.2	40
783	Application of Intel Many Integrated Core (MIC) accelerators to the Pleim-Xiu land surface scheme. Proceedings of SPIE, 2015, , .	0.8	1
784	Triple collocation: Beyond three estimates and separation of structural/non-structural errors. Remote Sensing of Environment, 2015, 171, 299-310.	11.0	37

#	Article	IF	CITATIONS
785	Explicitly Simulated Electrification and Lightning within a Tropical Cyclone Based on the Environment of Hurricane Isaac (2012). Journals of the Atmospheric Sciences, 2015, 72, 4167-4193.	1.7	26
786	Quantifying regional, seasonal and interannual contributions of environmental factors on isoprene and monoterpene emissions estimates over eastern Texas. Atmospheric Environment, 2015, 106, 120-128.	4.1	22
787	Using Temporal Changes in Drought Indices to Generate Probabilistic Drought Intensification Forecasts. Journal of Hydrometeorology, 2015, 16, 88-105.	1.9	64
788	Parameter sensitivity analysis and optimization of Noah land surface model with field measurements from Huaihe River Basin, China. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1383-1401.	4.0	10
789	An integrated crop and hydrologic modeling system to estimate hydrologic impacts of crop irrigation demands. Environmental Modelling and Software, 2015, 72, 341-355.	4.5	43
790	A Semi-Empirical Model for Computing Land Surface Emissivity in the Microwave Region. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1935-1946.	6.3	12
791	Enhancing Model Skill by Assimilating SMOPS Blended Soil Moisture Product into Noah Land Surface Model. Journal of Hydrometeorology, 2015, 16, 917-931.	1.9	37
792	Calibration and evaluation of a flood forecasting system: Utility of numerical weather prediction model, data assimilation and satellite-based rainfall. Journal of Hydrology, 2015, 523, 49-66.	5.4	184
793	Sequential estimation of surface water mass changes from daily satellite gravimetry data. Journal of Geodesy, 2015, 89, 259-282.	3.6	14
794	Terrestrial water storage anomalies of Yangtze River Basin droughts observed by GRACE and connections with ENSO. Global and Planetary Change, 2015, 126, 35-45.	3.5	142
795	Evaluation of the CFSv2 CMIP5 decadal predictions. Climate Dynamics, 2015, 44, 543-557.	3.8	8
796	Climate drift of AMOC, North Atlantic salinity and arctic sea ice in CFSv2 decadal predictions. Climate Dynamics, 2015, 44, 559-583.	3.8	34
797	Impacts of land–atmosphere coupling on regional rainfall and convection. Climate Dynamics, 2015, 44, 2383-2409.	3.8	20
798	The impact of revised simplified Arakawa–Schubert convection parameterization scheme in CFSv2 on the simulation of the Indian summer monsoon. Climate Dynamics, 2015, 45, 881-902.	3.8	26
799	Clearâ€sky stable boundary layers with low winds over snowâ€covered surfaces. Part 1: WRF model evaluation. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2165-2184.	2.7	28
800	Ingestion of Simulated SMAP L3 Soil Moisture Data into Military Maneuver Planning. Journal of Hydrometeorology, 2015, 16, 427-440.	1.9	7
801	Surface Water and Energy Budgets for the Mississippi River Basin in Three NCEP Reanalyses. Journal of Hydrometeorology, 2015, 16, 857-873.	1.9	8
802	On the Use of a Water Balance to Evaluate Interannual Terrestrial ET Variability. Journal of Hydrometeorology, 2015, 16, 1102-1108.	1.9	24

#	Article	IF	CITATIONS
803	Characteristic and Role ofÂGroundwater in the Critical Zone. Developments in Earth Surface Processes, 2015, 19, 295-318.	2.8	1
804	Pervasive drought legacies in forest ecosystems and their implications for carbon cycle models. Science, 2015, 349, 528-532.	12.6	836
805	Reforestation and crop land conversion impacts on future regional air quality in the Southeastern U.S Agricultural and Forest Meteorology, 2015, 209-210, 78-86.	4.8	5
806	Global Land Data Assimilation System data assessment using a distributed biosphere hydrological model. Journal of Hydrology, 2015, 528, 652-667.	5.4	34
807	Deriving scaling factors using a global hydrological model to restore GRACE total water storage changes for China's Yangtze River Basin. Remote Sensing of Environment, 2015, 168, 177-193.	11.0	201
808	The Attribution of Land–Atmosphere Interactions on the Seasonal Predictability of Drought. Journal of Hydrometeorology, 2015, 16, 793-810.	1.9	20
809	The Observed State of the Water Cycle in the Early Twenty-First Century. Journal of Climate, 2015, 28, 8289-8318.	3.2	230
810	A Source of AGCM Bias in Simulating the Western Pacific Subtropical High: Different Sensitivities to the Two Types of ENSO. Monthly Weather Review, 2015, 143, 2348-2362.	1.4	19
811	Preceding Factors of Summer Asian–Pacific Oscillation and the Physical Mechanism for Their Potential Influences. Journal of Climate, 2015, 28, 2531-2543.	3.2	20
812	Effects of Hydrologic Model Choice and Calibration on the Portrayal of Climate Change Impacts. Journal of Hydrometeorology, 2015, 16, 762-780.	1.9	84
813	A Vertically Flow-Following Icosahedral Grid Model for Medium-Range and Seasonal Prediction. Part I: Model Description. Monthly Weather Review, 2015, 143, 2386-2403.	1.4	19
814	The Diurnal Cycle of Precipitation in Regional Spectral Model Simulations over West Africa: Sensitivities to Resolution and Cumulus Schemes. Weather and Forecasting, 2015, 30, 424-445.	1.4	22
815	A Review of Planetary Boundary Layer Parameterization Schemes and Their Sensitivity in Simulating Southeastern U.S. Cold Season Severe Weather Environments. Weather and Forecasting, 2015, 30, 591-612.	1.4	206
816	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. Monthly Weather Review, 2015, 143, 2266-2290.	1.4	30
817	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 O3 and PM2.5 formation regimes. Atmospheric Environment, 2015, 115, 569-586.	4.1	36
818	The Observed State of the Energy Budget in the Early Twenty-First Century. Journal of Climate, 2015, 28, 8319-8346.	3.2	160
819	Synergistic Use of Satellite Observations and Numerical Weather Model to Study Atmospheric Occluded Fronts. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5269-5279.	6.3	8
820	Feedbacks between air pollution and weather, Part 1: Effects on weather. Atmospheric Environment, 2015, 115, 442-469.	4.1	102

#	Article	IF	CITATIONS
821	The Genesis of Mesovortices within a Real-Data Simulation of a Bow Echo System. Journals of the Atmospheric Sciences, 2015, 72, 1963-1986.	1.7	47
822	Simultaneous Radar and Satellite Data Storm-Scale Assimilation Using an Ensemble Kalman Filter Approach for 24 May 2011. Monthly Weather Review, 2015, 143, 165-194.	1.4	48
823	A Note on Soil Moisture Memory and Interactions with Surface Climate for Different Vegetation Types in the La Plata Basin. Journal of Hydrometeorology, 2015, 16, 716-729.	1.9	14
824	The Plumbing of Land Surface Models: Benchmarking Model Performance. Journal of Hydrometeorology, 2015, 16, 1425-1442.	1.9	191
825	Direct Radiative Effect by Multicomponent Aerosol over China*. Journal of Climate, 2015, 28, 3472-3495.	3.2	64
826	Constraining Supersaturation and Transport Processes in a South American Cold-Air Outbreak Using Stable Isotopologues of Water Vapor. Journals of the Atmospheric Sciences, 2015, 72, 2055-2069.	1.7	10
827	Role of upper ocean processes in the seasonal SST evolution over tropical Indian Ocean in climate forecasting system. Climate Dynamics, 2015, 45, 2387-2405.	3.8	18
828	Projected change in East Asian summer monsoon by dynamic downscaling: Moisture budget analysis. Asia-Pacific Journal of Atmospheric Sciences, 2015, 51, 77-89.	2.3	7
829	Diagnosing Neglected Soil Moisture Source–Sink Processes via a Thermal Infrared–Based Two-Source Energy Balance Model. Journal of Hydrometeorology, 2015, 16, 1070-1086.	1.9	60
830	How well do terrestrial biosphere models simulate coarse-scale runoff in the contiguous United States?. Ecological Modelling, 2015, 303, 87-96.	2.5	9
831	Multiâ€model and multiâ€sensor estimations of evapotranspiration over the Volta Basin, West Africa. International Journal of Climatology, 2015, 35, 3132-3145.	3.5	45
832	Data Length Requirements for Observational Estimates of Land–Atmosphere Coupling Strength. Journal of Hydrometeorology, 2015, 16, 1615-1635.	1.9	32
833	Impact of Storm-Scale Lightning Data Assimilation on WRF-ARW Precipitation Forecasts during the 2013 Warm Season over the Contiguous United States. Monthly Weather Review, 2015, 143, 757-777.	1.4	47
834	An NARR-Derived Climatology of Southerly and Northerly Low-Level Jets over North America and Coastal Environs. Journal of Applied Meteorology and Climatology, 2015, 54, 1596-1619.	1.5	36
835	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. Remote Sensing of Environment, 2015, 170, 290-305.	11.0	28
836	The role of vegetation–microclimate feedback in promoting shrub encroachment in the northern Chihuahuan desert. Global Change Biology, 2015, 21, 2141-2154.	9.5	31
837	Performance evaluation of WRF-Noah Land surface model estimated soil moisture for hydrological application: Synergistic evaluation using SMOS retrieved soil moisture. Journal of Hydrology, 2015, 529, 200-212.	5.4	50
838	Global hydrology 2015: State, trends, and directions. Water Resources Research, 2015, 51, 4923-4947.	4.2	267

#	Article	IF	CITATIONS
839	The relationship between spring soil moisture and summer hot extremes over North China. Advances in Atmospheric Sciences, 2015, 32, 1660-1668.	4.3	26
840	Numerical simulation and analysis of the Yangtze River Delta Rainstorm on 8 October 2013 caused by binary typhoons. Atmospheric Research, 2015, 166, 33-48.	4.1	12
841	Efficient Parallel GPU Design on WRF Five-Layer Thermal Diffusion Scheme. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2249-2259.	4.9	7
842	Quantifying the Added Value of Snow Cover Area Observations in Passive Microwave Snow Depth Data Assimilation. Journal of Hydrometeorology, 2015, 16, 1736-1741.	1.9	46
843	Climate change and water storage variability over an arid endorheic region. Journal of Hydrology, 2015, 529, 330-339.	5.4	74
844	Quantifying the Land–Atmosphere Coupling Behavior in Modern Reanalysis Products over the U.S. Southern Great Plains. Journal of Climate, 2015, 28, 5813-5829.	3.2	43
845	Global distribution of mineral dust and its impact on radiative fluxes as simulated by WRF-Chem. Meteorology and Atmospheric Physics, 2015, 127, 635-648.	2.0	26
846	Hybrid glacier Inventory, Gravimetry and Altimetry (HIGA) mass balance product for Greenland and the Canadian Arctic. Remote Sensing of Environment, 2015, 168, 24-39.	11.0	15
847	Seasonal sea surface temperature anomaly prediction for coastal ecosystems. Progress in Oceanography, 2015, 137, 219-236.	3.2	75
848	Simulation of the Indian Summer Monsoon in the Superparameterized Climate Forecast System Version 2: Preliminary Results. Journal of Climate, 2015, 28, 8988-9012.	3.2	35
849	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. International Journal of Remote Sensing, 2015, 36, 5707-5736.	2.9	29
850	A Simple Method for Soil Moisture Determination From LST–VI Feature Space Using Nonlinear Interpolation Based on Thermal Infrared Remotely Sensed Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 638-648.	4.9	41
851	Evaluation of NLDASâ $\in 2$ evapotranspiration against tower flux site observations. Hydrological Processes, 2015, 29, 1757-1771.	2.6	49
852	Reconstruction of a complete global time series of daily vegetation index trajectory from long-term AVHRR data. Remote Sensing of Environment, 2015, 156, 457-472.	11.0	133
853	Requirements Analysis for Future Satellite Gravity Mission Improved-GRACE. Surveys in Geophysics, 2015, 36, 87-109.	4.6	21
854	North Indian heavy rainfall event during June 2013: diagnostics and extended range prediction. Climate Dynamics, 2015, 44, 2049-2065.	3.8	85
855	Effect of irrigation in simulating long-term evapotranspiration climatology in a human-dominated river basin system. Agricultural and Forest Meteorology, 2015, 200, 109-118.	4.8	37
856	Sensitivity of WRF to driving data and physics options on a seasonal time-scale for the southwest of Western Australia. Climate Dynamics, 2015, 44, 633-659.	3.8	49

#	Article	IF	CITATIONS
857	The Impacts of Satellite Remotely Sensed Winds and Total Precipitable Vapour in WRF Tropical Cyclone Track Forecasts. Advances in Meteorology, 2016, 2016, 1-15.	1.6	0
858	A Comparative Study on SMOS and NLDAS-2 Soil Moistures Over a Hydrological Basin—With Continental Climate. , 2016, , 289-308.		1
859	Sensitivity of the Amazon biome to high resolution climate change projections. Acta Amazonica, 2016, 46, 175-188.	0.7	25
860	Machine learning methods for empirical streamflow simulation: a comparison of model accuracy, interpretability, and uncertainty in seasonal watersheds. Hydrology and Earth System Sciences, 2016, 20, 2611-2628.	4.9	183
861	Variations in water storage in China over recent decades from GRACE observations and GLDAS. Natural Hazards and Earth System Sciences, 2016, 16, 469-482.	3.6	67
862	3-D water vapor field in the atmospheric boundary layer observed with scanning differential absorption lidar. Atmospheric Measurement Techniques, 2016, 9, 1701-1720.	3.1	47
863	The oceanic influence on the rainy season of Peninsular Florida. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7691-7709.	3.3	17
864	Physiologically grounded metrics of model skill: a case study estimating heat stress in intertidal populations. , 2016, 4, cow038.		13
865	The improvement of soil thermodynamics and its effects on land surface meteorology in the IPSL climate model. Geoscientific Model Development, 2016, 9, 363-381.	3.6	30
866	Historical Dynamical Downscaling for East Asia with the Atmosphere and Ocean Coupled Regional Model. Journal of the Meteorological Society of Japan, 2016, 94A, 199-208.	1.8	13
867	Development of Dynamic Ground Water Data Assimilation for Quantifying Soil Hydraulic Properties from Remotely Sensed Soil Moisture. Water (Switzerland), 2016, 8, 311.	2.7	4
868	Decadal evaluation of regional climate, air quality, and their interactions over the continental US and their interactions using WRF/Chem version 3.6.1. Geoscientific Model Development, 2016, 9, 671-695.	3.6	23
869	A Characterization of Greenland Ice Sheet Surface Melt and Runoff in Contemporary Reanalyses and a Regional Climate Model. Frontiers in Earth Science, 2016, 4, .	1.8	23
870	Sub-Seasonal Prediction of the Maritime Continent Rainfall of Wet-Dry Transitional Seasons in the NCEP Climate Forecast Version 2. Atmosphere, 2016, 7, 28.	2.3	11
871	A Long-Term Wind Speed Ensemble Forecasting System with Weather Adapted Correction. Energies, 2016, 9, 894.	3.1	9
872	Comparing One-Way and Two-Way Coupled Hydrometeorological Forecasting Systems for Flood Forecasting in the Mediterranean Region. Hydrology, 2016, 3, 19.	3.0	61
873	Enhancing Noah Land Surface Model Prediction Skill over Indian Subcontinent by Assimilating SMOPS Blended Soil Moisture. Remote Sensing, 2016, 8, 976.	4.0	25
874	Evaluation of global fine-resolution precipitation products and their uncertainty quantification in ensemble discharge simulations. Hydrology and Earth System Sciences, 2016, 20, 903-920.	4.9	82

#	Article	IF	CITATIONS
875	Extremes in June rainfall during the Indian summer monsoons of 2013 and 2014: observational analysis and extendedâ€range prediction. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1276-1289.	2.7	10
876	How do green roofs mitigate urban thermal stress under heat waves?. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5320-5335.	3.3	58
877	Clearâ€sky stable boundary layers with low winds over snowâ€covered surfaces. Part 2: Process sensitivity. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 821-835.	2.7	11
878	The impact of the QNSEâ€EDMF scheme and its modifications on boundary layer parameterization in WRF: modelling of CASESâ€97. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1182-1195.	2.7	6
879	Atmospheric Stability Influences on Coupled Boundary Layer and Canopy Turbulence. Journals of the Atmospheric Sciences, 2016, 73, 1621-1647.	1.7	111
880	Land–Atmosphere Coupling at the Southern Great Plains Atmospheric Radiation Measurement (ARM) Field Site and Its Role in Anomalous Afternoon Peak Precipitation. Journal of Hydrometeorology, 2016, 17, 541-556.	1.9	24
881	Community Global Observing System Simulation Experiment (OSSE) Package (CGOP): Description and Usage. Journal of Atmospheric and Oceanic Technology, 2016, 33, 1759-1777.	1.3	22
882	HydroBlocks: a fieldâ€scale resolving land surface model for application over continental extents. Hydrological Processes, 2016, 30, 3543-3559.	2.6	75
883	Clouds– <scp>SST</scp> relationship and interannual variability modes of Indian summer monsoon in the context of clouds and <scp>SSTs</scp> : observational and modelling aspects. International Journal of Climatology, 2016, 36, 4723-4740.	3.5	13
884	How do hydrologic modeling decisions affect the portrayal of climate change impacts?. Hydrological Processes, 2016, 30, 1071-1095.	2.6	52
885	Understanding the variability of water isotopologues in near-surface atmospheric moisture over a humid subtropical rice paddy in Tsukuba, Japan. Journal of Hydrology, 2016, 533, 91-102.	5.4	34
886	Evaluation of Atmosphere and Ocean Initial Condition Uncertainty and Stochastic Exchange Coefficients on Ensemble Tropical Cyclone Intensity Forecasts. Monthly Weather Review, 2016, 144, 3487-3506.	1.4	30
887	Basinâ€scale assessment of the land surface water budget in the National Centers for Environmental Prediction operational and research NLDASâ€2 systems. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2750-2779.	3.3	35
888	Indian summer monsoon rainfall simulation and prediction skill in the CFSv2 coupled model: Impact of atmospheric horizontal resolution. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2205-2221.	3.3	103
889	Highâ€resolution modeling of human and climate impacts on global water resources. Journal of Advances in Modeling Earth Systems, 2016, 8, 735-763.	3.8	132
890	Assessing uncertainties in the Noahâ€MP ensemble simulations of a cropland site during the Tibet Joint International Cooperation program field campaign. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9576-9596.	3.3	56
891	On the correlation of water vapor and CO ₂ : Application to flux partitioning of evapotranspiration. Water Resources Research, 2016, 52, 9452-9469.	4.2	20
892	The sensitivity of southeastern United States climate to varying irrigation vigor. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7606-7621.	3.3	7

#	Article	IF	CITATIONS
893	Lake and Orographic Effects on a Snowstorm at Lake Constance. Monthly Weather Review, 2016, 144, 4687-4707.	1.4	12
894	Studying soil moisture at a national level through statistical analysis of NASA NLDAS data. Journal of Hydroinformatics, 2016, 18, 277-287.	2.4	10
895	Sensitivity of Numerical Weather Forecasts to Initial Soil Moisture Variations in CFSv2. Weather and Forecasting, 2016, 31, 1973-1983.	1.4	54
896	Viability of Cloud Computing for Real-Time Numerical Weather Prediction. Weather and Forecasting, 2016, 31, 1985-1996.	1.4	15
897	An evaluation of dynamical downscaling of Central Plains summer precipitation using a WRFâ€based regional climate model at a convectionâ€permitting 4 km resolution. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,801.	3.3	46
898	Noahâ€MPâ€Crop: Introducing dynamic crop growth in the Noahâ€MP land surface model. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,953.	3.3	61
899	Investigation of factors affecting intra-annual variability of evapotranspiration and streamflow under different climate conditions. Journal of Hydrology, 2016, 543, 759-769.	5.4	49
900	Comparison of land-atmosphere interaction in the southern La Plata Basin using satellite products and climate models. , 2016, , .		0
901	Impacts of Noah model physics on catchmentâ€scale runoff simulations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 807-832.	3.3	26
902	Importance of Model Resolution on Discriminating Rapidly and Non-rapidly Intensifying Atlantic Basin Tropical Cyclones. Procedia Computer Science, 2016, 95, 223-228.	2.0	1
903	SAR observation and WRF model simulation of land breeze in Hainan Island, China. , 2016, , .		0
904	Impact of physics parameterizations on highâ€resolution weather prediction over two Chinese megacities. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4487-4498.	3.3	55
905	The impact of revised simplified Arakawaâ€Schubert scheme on the simulation of mean and diurnal variability associated with active and break phases of Indian summer monsoon using CFSv2. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9301-9323.	3.3	26
906	Depiction of drought over subâ€Saharan Africa using reanalyses precipitation data sets. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,555.	3.3	44
907	Prediction skill and predictability of Eurasian snow cover fraction in the <scp>NCEP</scp> Climate Forecast System version 2 reforecasts. International Journal of Climatology, 2016, 36, 4071-4084.	3.5	11
908	Impact of upper ocean processes and air-sea fluxes on seasonal SST biases over the tropical Indian Ocean in the NCEP Climate Forecasting System. International Journal of Climatology, 2016, 36, 188-207.	3.5	18
909	Influence of upper ocean on Indian summer monsoon rainfall: studies by observation and NCEP climate forecast system (CFSv2). Theoretical and Applied Climatology, 2016, 125, 413-426.	2.8	7
910	Changes in future air quality, deposition, and aerosol-cloud interactions under future climate and emission scenarios. Atmospheric Environment, 2016, 139, 176-191.	4.1	12

#	Article	IF	CITATIONS
911	Impacts of inland water area changes on the local climate of Wuhan, China. Indoor and Built Environment, 2016, 25, 296-313.	2.8	16
912	Is China's fifth-largest inland lake to dry-up? Incorporated hydrological and satellite-based methods for forecasting Hulun lake water levels. Advances in Water Resources, 2016, 94, 185-199.	3.8	43
913	Sensitivity of a Cumulus Parameterization Scheme to Precipitation Production Representation and Its Impact on a Heavy Rain Event over Korea. Monthly Weather Review, 2016, 144, 2125-2135.	1.4	46
914	Use of Regional Climate Models for Proxy Data over Transboundary Regions. Journal of Hydrologic Engineering - ASCE, 2016, 21, 05016010.	1.9	7
915	Seasonal prediction of Indian summer monsoon rainfall in NCEP CFSv2: forecast and predictability error. Climate Dynamics, 2016, 46, 2305-2326.	3.8	42
916	Two-Meter Temperature and Precipitation from Atmospheric Reanalysis Evaluated for Alaska. Journal of Applied Meteorology and Climatology, 2016, 55, 901-922.	1.5	47
917	Empirical evidence of contrasting soil moisture–precipitation feedbacks across the United States. Science, 2016, 352, 825-828.	12.6	163
918	Precipitation Deficit Flash Droughts over the United States. Journal of Hydrometeorology, 2016, 17, 1169-1184.	1.9	139
919	Precipitation in the EURO-CORDEX \$\$0.11^{circ }\$\$ 0 . 11 â~ and \$\$0.44^{circ }\$\$ 0 . 44 â~ simulations: high resolution, high benefits?. Climate Dynamics, 2016, 46, 383-412.	3.8	215
920	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. Journal of Climate, 2016, 29, 8191-8210.	3.2	16
922	The sensitivity of the regional coupled ocean-atmosphere simulations over the Intra-Americas seas to the prescribed bathymetry. Dynamics of Atmospheres and Oceans, 2016, 76, 29-51.	1.8	10
923	The impact of standard and hardâ€coded parameters on the hydrologic fluxes in the Noahâ€MP land surface model. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,676.	3.3	101
924	Basinâ€scale assessment of the land surface energy budget in the National Centers for Environmental Prediction operational and research NLDASâ€⊋ systems. Journal of Geophysical Research D: Atmospheres, 2016, 121, 196-220.	3.3	16
925	Effects of different regional climate model resolution and forcing scales on projected hydrologic changes. Journal of Hydrology, 2016, 541, 1003-1019.	5.4	31
926	Investigation of an extreme Koshava wind episode of 30 January–4 February 2014. Atmospheric Science Letters, 2016, 17, 199-206.	1.9	7
927	The relationships between temperature gradient and wind during cold frontal passages in the eastern United States: a numerical modeling study. Atmospheric Science Letters, 2016, 17, 339-345.	1.9	2
928	The Physics of Drought in the U.S. Central Great Plains. Journal of Climate, 2016, 29, 6783-6804.	3.2	78
929	Updated global soil map for the Weather Research and Forecasting model and soil moisture initialization for the Noah land surface model. Journal of Geophysical Research D: Atmospheres, 2016, 121, 8777-8800.	3.3	29

#	Article	IF	CITATIONS
930	Assimilation of SMOS Retrievals in the Land Information System. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6320-6332.	6.3	24
931	Interaction of an Upper-Tropospheric Jet with a Squall Line Originating along a Cold Frontal Boundary. Monthly Weather Review, 2016, 144, 4197-4219.	1.4	Ο
932	Potential predictability of <scp>I</scp> ndian summer monsoon rainfall in NCEP CFSv2. Journal of Advances in Modeling Earth Systems, 2016, 8, 96-120.	3.8	48
933	Improving Budyko curveâ€based estimates of longâ€ŧerm water partitioning using hydrologic signatures from GRACE. Water Resources Research, 2016, 52, 5537-5554.	4.2	27
934	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. Weather and Forecasting, 2016, 31, 341-352.	1.4	80
935	Sensitivity of Simulated Sea Breezes to Initial Conditions in Complex Coastal Regions. Monthly Weather Review, 2016, 144, 1299-1320.	1.4	16
936	Comparisons of Modeled and Observed Reflectivities and Fall Speeds for Snowfall of Varied Riming Degrees during Winter Storms on Long Island, New York. Monthly Weather Review, 2016, 144, 4327-4347.	1.4	16
937	The Role of Land Surface Processes on Tropical Cyclones: Introduction to Land Surface Models. , 2016, , 221-246.		5
938	The Role of Land Surface Processes on Extreme Weather Events: Land Data Assimilation System. , 2016, , 247-266.		3
939	Coupled Evaluation of Below- and Aboveground Energy and Water Cycle Variables from Reanalysis Products over Five Flux Tower Sites in the United States. Journal of Hydrometeorology, 2016, 17, 2105-2119.	1.9	4
940	Comparison of Simulated Precipitation over East Asia in Two Regional Models with Hydrostatic and Nonhydrostatic Dynamical Cores. Monthly Weather Review, 2016, 144, 3579-3590.	1.4	6
941	Design Strategies of an Hourly Update 3DVAR Data Assimilation System for Improved Convective Forecasting. Weather and Forecasting, 2016, 31, 1673-1695.	1.4	41
942	An evaluation of highâ€resolution regional climate model simulations of snow cover and albedo over the Rocky Mountains, with implications for the simulated snowâ€albedo feedback. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9069-9088.	3.3	63
943	Processâ€based characterization of evapotranspiration sources over the North American monsoon region. Water Resources Research, 2016, 52, 358-384.	4.2	62
944	Loss of a lake system in a megacity: The impact of urban expansion on seasonal meteorology in Mexico City. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3079-3099.	3.3	36
945	Sensitivity of simulated chemical concentrations and aerosolâ€meteorology interactions to aerosol treatments and biogenic organic emissions in WRF/Chem. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6014-6048.	3.3	15
946	An interoperable wireless sensor network platform for spatio-temporal soil moisture and soil temperature estimation. , 2016, , .		5
947	Offshore Wind Energy Analysis of Cyclone Xaver over North Europe. Energy Procedia, 2016, 94, 37-44.	1.8	14

#	Article	IF	CITATIONS
948	Spatial downscaling of SMAP passive microwave radiometer soil moisture using vegetation index and surface temperature. , 2016, , .		3
949	Calibration of Noah Soil Hydraulic Property Parameters Using Surface Soil Moisture from SMOS and Basinwide In Situ Observations. Journal of Hydrometeorology, 2016, 17, 2275-2292.	1.9	19
950	Spatial validation of largeâ€scale land surface models against monthly land surface temperature patterns using innovative performance metrics. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5430-5452.	3.3	46
951	Deriving global parameter estimates for the Noah land surface model using FLUXNET and machine learning. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,218.	3.3	34
952	Satelliteâ€enhanced dynamical downscaling for the analysis of extreme events. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,617.	3.3	3
953	Forecasting Hail Using a One-Dimensional Hail Growth Model within WRF. Monthly Weather Review, 2016, 144, 4919-4939.	1.4	63
954	Remote detection of water management impacts on evapotranspiration in the Colorado River Basin. Geophysical Research Letters, 2016, 43, 5089-5097.	4.0	37
955	The heated condensation framework as a convective trigger in the NCEP Climate Forecast System version 2. Journal of Advances in Modeling Earth Systems, 2016, 8, 1310-1329.	3.8	21
956	Assessing GFDL highâ€resolution climate model water and energy budgets from AMIP simulations over Africa. Journal of Geophysical Research D: Atmospheres, 2016, 121, 8444-8459.	3.3	5
957	Effects of aerosol–radiation interaction on precipitation during biomass-burning season in East China. Atmospheric Chemistry and Physics, 2016, 16, 10063-10082.	4.9	108
958	Impact of an improved WRF urban canopy model on diurnal air temperature simulation over northern Taiwan. Atmospheric Chemistry and Physics, 2016, 16, 1809-1822.	4.9	36
959	Comprehensive modelling study on observed new particle formation at the SORPES station in Nanjing, China. Atmospheric Chemistry and Physics, 2016, 16, 2477-2492.	4.9	47
960	The incorporation of an organic soil layer in the Noah-MP land surface model and its evaluation over a boreal aspen forest. Atmospheric Chemistry and Physics, 2016, 16, 8375-8387.	4.9	25
961	Assessing Future Climate Changes in the East Asian Summer and Winter Monsoon Using Regional Spectral Model. Journal of the Meteorological Society of Japan, 2016, 94A, 69-87.	1.8	12
962	Is land surface processes representation a possible weak link in current Regional Climate Models?. Environmental Research Letters, 2016, 11, 074027.	5.2	38
963	Simulation of stratospheric ozone in global forecast model using linear photochemistry parameterization. Asia-Pacific Journal of Atmospheric Sciences, 2016, 52, 479-494.	2.3	2
964	Decrease in winter respiration explains 25% of the annual northern forest carbon sink enhancement over the last 30 years. Global Ecology and Biogeography, 2016, 25, 586-595.	5.8	16
965	Summer U.S. Surface Air Temperature Variability: Controlling Factors and AMIP Simulation Biases. Journal of Climate, 2016, 29, 5123-5139.	3.2	26

#	Article	IF	CITATIONS
966	Mechanisms Influencing Cirrus Banding and Aviation Turbulence near a Convectively Enhanced Upper-Level Jet Stream. Monthly Weather Review, 2016, 144, 3003-3027.	1.4	25
967	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. Weather and Forecasting, 2016, 31, 1071-1091.	1.4	14
968	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. Climate Dynamics, 2016, 47, 831-844.	3.8	19
969	Monitoring groundwater changes in the Yangtze River basin using satellite and model data. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	15
970	Downslope Windstorms of San Diego County. Part I: A Case Study. Monthly Weather Review, 2016, 144, 529-552.	1.4	48
971	A Revised Prognostic Cloud Fraction Scheme in a Global Forecasting System. Monthly Weather Review, 2016, 144, 1219-1229.	1.4	34
972	Tropical Indian Ocean surface salinity bias in Climate Forecasting System coupled models and the role of upper ocean processes. Climate Dynamics, 2016, 46, 2403-2422.	3.8	14
973	Citywide Impacts of Cool Roof and Rooftop Solar Photovoltaic Deployment on Near-Surface Air Temperature and Cooling Energy Demand. Boundary-Layer Meteorology, 2016, 161, 203-221.	2.3	90
974	Improving winter leaf area index estimation in coniferous forests and its significance in estimating the land surface albedo. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 32-48.	11.1	14
975	Water storage changes and balances in Africa observed by GRACE and hydrologic models. Geodesy and Geodynamics, 2016, 7, 39-49.	2.2	43
976	Sensitivity of tropical cyclone characteristics to the radial distribution of sea surface temperature. Journal of Earth System Science, 2016, 125, 691-708.	1.3	9
977	Impact of Model Relative Accuracy in Framework of Rescaling Observations in Hydrological Data Assimilation Studies. Journal of Hydrometeorology, 2016, 17, 2245-2257.	1.9	10
978	Scale Dependence of Land–Atmosphere Interactions in Wet and Dry Regions as Simulated with NU-WRF over the Southwestern and South-Central United States. Journal of Hydrometeorology, 2016, 17, 2121-2136.	1.9	8
979	Role of land state in a high resolution mesoscale model for simulating the Uttarakhand heavy rainfall event over India. Journal of Earth System Science, 2016, 125, 475-498.	1.3	28
980	Largeâ€scale teleconnection patterns of Indian summer monsoon as revealed by <scp>CFSv2</scp> retrospective seasonal forecast runs. International Journal of Climatology, 2016, 36, 3297-3313.	3.5	46
981	Evaluation of NU-WRF Rainfall Forecasts for IFloodS. Journal of Hydrometeorology, 2016, 17, 1317-1335.	1.9	9
982	The Effect of the Physical Parameterizations and the Land Surface on Rainfall in Poland. Weather and Forecasting, 2016, 31, 1247-1270.	1.4	1
983	Air pollutant emissions from Chinese households: A major and underappreciated ambient pollution source. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7756-7761	7.1	378

#	Article	IF	CITATIONS
984	Investigation of PBL schemes combining the WRF model simulations with scanning water vapor differential absorption lidar measurements. Journal of Geophysical Research D: Atmospheres, 2016, 121, 624-649.	3.3	56
985	Evaluation of cloud properties in the NCEP CFSv2 model and its linkage with Indian summer monsoon. Theoretical and Applied Climatology, 2016, 124, 31-41.	2.8	12
986	Application of Weather Research and Forecasting Model with Chemistry (WRF/Chem) over northern China: Sensitivity study, comparative evaluation, and policy implications. Atmospheric Environment, 2016, 124, 337-350.	4.1	60
987	Does the modification in "critical relative humidity―of NCEP CFSv2 dictate Indian mean summer monsoon forecast? Evaluation through thermodynamical and dynamical aspects. Climate Dynamics, 2016, 46, 1197-1222.	3.8	25
988	Validation of the global land data assimilation system based on measurements of soil temperature profiles. Agricultural and Forest Meteorology, 2016, 218-219, 288-297.	4.8	30
989	Calibration to Improve Forward Model Simulation of Microwave Emissivity at GPM Frequencies Over the U.S. Southern Great Plains. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1103-1117.	6.3	8
990	Verification of the isotopic composition of precipitation simulated by a regional isotope circulation model over Japan. Isotopes in Environmental and Health Studies, 2016, 52, 329-342.	1.0	12
991	Evaporation variability of Nam Co Lake in the Tibetan Plateau and its role in recent rapid lake expansion. Journal of Hydrology, 2016, 537, 27-35.	5.4	102
992	Impact of a Stochastic Kinetic Energy Backscatter Scheme on Warm Season Convection-Allowing Ensemble Forecasts. Monthly Weather Review, 2016, 144, 1887-1908.	1.4	17
993	A Comparison of 36–60-h Precipitation Forecasts from Convection-Allowing and Convection-Parameterizing Ensembles. Weather and Forecasting, 2016, 31, 647-661.	1.4	24
994	Investigation of the Effects of Anthropogenic Pollution on Typhoon Precipitation and Microphysical Processes Using WRF-Chem. Journals of the Atmospheric Sciences, 2016, 73, 1593-1610.	1.7	26
995	Confronting Weather and Climate Models with Observational Data from Soil Moisture Networks over the United States. Journal of Hydrometeorology, 2016, 17, 1049-1067.	1.9	83
996	Rainfall-Type Categorization of Radar Echoes Using Polar Coordinate Reflectivity Data. Journal of Atmospheric and Oceanic Technology, 2016, 33, 523-538.	1.3	43
997	Examining the influence of meteorological simulations forced by different initial and boundary conditions in volcanic ash dispersion modelling. Atmospheric Research, 2016, 176-177, 29-42.	4.1	13
998	Role of Runoff–Infiltration Partitioning and Resolved Overland Flow on Land–Atmosphere Feedbacks: A Case Study with the WRF-Hydro Coupled Modeling System for West Africa. Journal of Hydrometeorology, 2016, 17, 1489-1516.	1.9	85
999	Effects of Land Surface Schemes on WRF-Simulated Geopotential Heights over China in Summer 2003*. Journal of Hydrometeorology, 2016, 17, 829-851.	1.9	10
1000	An assessment of precipitation and surface air temperature over China by regional climate models. Frontiers of Earth Science, 2016, 10, 644-661.	2.1	3
1001	Impacts of thermal circulations induced by urbanization on ozone formation in the Pearl River Delta region, China. Atmospheric Environment, 2016, 127, 382-392.	4.1	72

#	ARTICLE Assessing the evolution of soil moisture and vegetation conditions during the 2012 United States	IF	CITATIONS
1002	flash drought. Agricultural and Forest Meteorology, 2016, 218-219, 230-242. Characterization of spatial relationships between three remotely sensed indirect indicators of biodiversity and climate: a 21 years' data series review across the Canadian boreal forest. International	3.9	11
1004	Improving Noah land surface model performance using near real time surface albedo and green vegetation fraction. Agricultural and Forest Meteorology, 2016, 218-219, 171-183.	4.8	48
1005	Impact of Soil Moisture Assimilation on Land Surface Model Spinup and Coupled Land–Atmosphere Prediction. Journal of Hydrometeorology, 2016, 17, 517-540.	1.9	36
1006	Intercomparison of statistical and dynamical downscaling models under the EURO- and MED-CORDEX initiative framework: present climate evaluations. Climate Dynamics, 2016, 46, 1301-1329.	3.8	100
1007	An inter-comparison of soil moisture data products from satellite remote sensing and a land surface model. International Journal of Applied Earth Observation and Geoinformation, 2016, 48, 37-50.	2.8	55
1008	Improving the Consistency of Multitemporal Land Cover Maps Using a Hidden Markov Model. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 703-713.	6.3	70
1009	Comparison of nonhydrostatic and hydrostatic dynamical cores in two regional models using the spectral and finite difference methods: dry atmosphere simulation. Meteorology and Atmospheric Physics, 2016, 128, 229-245.	2.0	5
1010	Extreme Water Deficit in Brazil Detected from Space. Journal of Hydrometeorology, 2016, 17, 591-599.	1.9	117
1011	Monsoon-extratropical circulation interactions in Himalayan extreme rainfall. Climate Dynamics, 2016, 46, 3517-3546.	3.8	100
1012	Analysis of systematic differences from GPS-measured and GRACE-modeled deformation in Central Valley, California. Advances in Space Research, 2016, 57, 19-29.	2.6	22
1013	Spatial Downscaling of Satellite Soil Moisture Data Using a Vegetation Temperature Condition Index. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 558-566.	6.3	125
1014	Indian summer monsoon simulations with CFSv2: a microphysics perspective. Theoretical and Applied Climatology, 2016, 125, 253-269.	2.8	14
1015	Application of WRF/Chem over East Asia: Part I. Model evaluation and intercomparison with MM5/CMAQ. Atmospheric Environment, 2016, 124, 285-300.	4.1	74
1016	Impact of moisture flux convergence and soil moisture on precipitation: a case study for the southern United States with implications for the globe. Climate Dynamics, 2016, 46, 467-481.	3.8	84
1017	Zonda downslope winds in the central Andes of South America in a 20-year climate simulation with the Eta model. Theoretical and Applied Climatology, 2017, 128, 291-299.	2.8	8
1018	The impact of an extreme case of irrigation on the southeastern United States climate. Climate Dynamics, 2017, 48, 1309-1327.	3.8	3
1019	Impacts of uncertainties in European gridded precipitation observations on regional climate analysis. International Journal of Climatology, 2017, 37, 305-327.	3.5	194

#	Article	IF	CITATIONS
1020	Assessment of the ARW-WRF model over complex terrain: the case of the Stellenbosch Wine of Origin district of South Africa. Theoretical and Applied Climatology, 2017, 129, 1407-1427.	2.8	8
1021	Heat wave over India during summer 2015: an assessment of real time extended range forecast. Meteorology and Atmospheric Physics, 2017, 129, 375-393.	2.0	39
1022	A Tiling Approach to Represent Subgrid Snow Variability in Coupled Land Surface–Atmosphere Models. Journal of Hydrometeorology, 2017, 18, 49-63.	1.9	21
1023	A Mass-Flux Cumulus Parameterization Scheme across Gray-Zone Resolutions. Monthly Weather Review, 2017, 145, 583-598.	1.4	84
1024	Simulated and Observed Surface Energy Fluxes and Resulting Playa Breezes during the MATERHORN Field Campaigns. Journal of Applied Meteorology and Climatology, 2017, 56, 915-935.	1.5	12
1025	Comparing potential recharge estimates from three Land Surface Models across the western US. Journal of Hydrology, 2017, 545, 410-423.	5.4	22
1026	Stratified drought analysis using a stochastic ensemble of simulated and in-situ soil moisture observations. Journal of Hydrology, 2017, 545, 226-250.	5.4	38
1027	The Purdue Agro-climatic (PAC) dataset for the U.S. Corn Belt: Development and initial results. Climate Risk Management, 2017, 15, 61-72.	3.2	7
1028	Intercomparison of Soil Moisture, Evaporative Stress, and Vegetation Indices for Estimating Corn and Soybean Yields Over the U.S IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1328-1343.	4.9	63
1029	Prediction of seasonal summer monsoon rainfall over homogenous regions of India using dynamical prediction system. Journal of Hydrology, 2017, 546, 103-112.	5.4	32
1030	The Role of Low-Level, Terrain-Induced Jets in Rainfall Variability in Tigris–Euphrates Headwaters. Journal of Hydrometeorology, 2017, 18, 819-835.	1.9	9
1031	An agricultural biomass burning episode in eastern China: Transport, optical properties, and impacts on regional air quality. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2304-2324.	3.3	31
1032	Uncertainties of soil moisture in historical simulations and future projections. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2239-2253.	3.3	37
1033	Understanding watershed hydrogeochemistry: 1. Development of RTâ€Fluxâ€PIHM. Water Resources Research, 2017, 53, 2328-2345.	4.2	58
1034	Multi-scale urban system modeling for sustainable planning and design. Energy and Buildings, 2017, 157, 78-91.	6.7	16
1035	Longâ€ŧerm and seasonal Caspian Sea level change from satellite gravity and altimeter measurements. Journal of Geophysical Research: Solid Earth, 2017, 122, 2274-2290.	3.4	58
1036	Sensitivity of Convection-Allowing Forecasts to Land Surface Model Perturbations and Implications for Ensemble Design. Monthly Weather Review, 2017, 145, 2001-2025.	1.4	18
1037	High-Resolution Dynamical Downscaling of Seasonal Precipitation Forecasts for the Hanjiang Basin in China Using the Weather Research and Forecasting Model. Journal of Applied Meteorology and Climatology, 2017, 56, 1515-1536.	1.5	7

#	Article	IF	CITATIONS
1038	Effects of multilayer snow scheme on the simulation of snow: <scp>O</scp> ffline <scp>N</scp> oah and coupled with <scp>NCEP</scp> <scp>CFS</scp> v2. Journal of Advances in Modeling Earth Systems, 2017, 9, 271-290.	3.8	27
1039	Does temperature nudging overwhelm aerosol radiative effects in regional integrated climate models?. Atmospheric Environment, 2017, 154, 42-52.	4.1	13
1040	WRF inversion base height ensembles for simulating marine boundary layer stratocumulus. Solar Energy, 2017, 146, 50-64.	6.1	9
1041	Effects of the surface heterogeneities on the local climate of a fragmented landscape in Amazonia using a tile approach in the Eta/Noahâ€ <scp>MP</scp> model. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1565-1580.	2.7	10
1042	Causes of extreme rainfall in May 2013 over Henan Province: the role of the southwest vortex and low-level jet. Theoretical and Applied Climatology, 2017, 129, 701-709.	2.8	16
1043	Sensitivity of Predictions of the Urban Surface Energy Balance and Heat Island to Variations of Urban Canopy Parameters in Simulations with the WRF Model. Journal of Applied Meteorology and Climatology, 2017, 56, 573-595.	1.5	20
1044	Sensitivity of grassland productivity to aridity controlled by stomatal and xylem regulation. Nature Geoscience, 2017, 10, 284-288.	12.9	200
1045	Intraseasonal variability and predictability of the subtropical Asian summer rain band. International Journal of Climatology, 2017, 37, 4119-4130.	3.5	6
1046	Building the vegetation drought response index for Canada (VegDRI-Canada) to monitor agricultural drought: first results. GIScience and Remote Sensing, 2017, 54, 230-257.	5.9	37
1047	The Simulated Response of Diurnal Mountain Winds to Regionally Enhanced Warming Caused by the Snow Albedo Feedback. Journals of the Atmospheric Sciences, 2017, 74, 49-67.	1.7	15
1048	A Nonhydrostatic Multiscale Model on the Uniform Jacobian Cubed Sphere. Monthly Weather Review, 2017, 145, 1083-1105.	1.4	8
1049	Investigation of aerosol effects on the Arctic surface temperature during the diurnal cycle: part 1 – total aerosol effect. International Journal of Climatology, 2017, 37, 761-774.	3.5	3
1050	Sensitivity of U.S. summer precipitation to model resolution and convective parameterizations across gray zone resolutions. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2714-2733.	3.3	93
1051	Coupling Groundwater, Vegetation, and Atmospheric Processes: A Comparison of Two Integrated Models. Journal of Hydrometeorology, 2017, 18, 1489-1511.	1.9	26
1052	Predicting U.S. Drought Monitor States Using Precipitation, Soil Moisture, and Evapotranspiration Anomalies. Part I: Development of a Nondiscrete USDM Index. Journal of Hydrometeorology, 2017, 18, 1943-1962.	1.9	31
1053	Potential predictability of wet/dry spells transitions during extreme monsoon years: optimism for dynamical extended range prediction. Natural Hazards, 2017, 88, 853-865.	3.4	3
1054	Modeling of a severe dust event and its impacts on ozone photochemistry over the downstream Nanjing megacity of eastern China. Atmospheric Environment, 2017, 160, 107-123.	4.1	25
1055	Simulation of a severe convective storm using a numerical model with explicitly incorporated aerosols. Atmospheric Research, 2017, 194, 164-177.	4.1	24

#	Article	IF	CITATIONS
1056	Sensitivity of Dryline Convection Forecasts to Upstream Forecast Errors for Two Weakly Forced MPEX Cases. Monthly Weather Review, 2017, 145, 1831-1852.	1.4	13
1057	Evaluating the present annual water budget of a Himalayan headwater river basin using a highâ€resolution atmosphereâ€hydrology model. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4786-4807.	3.3	51
1058	Factors affecting the simulated trajectory and intensification of Tropical Cyclone Yasi (2011). Atmospheric Research, 2017, 194, 27-42.	4.1	18
1059	The added utility of nonlinear methods compared to linear methods in rescaling soil moisture products. Remote Sensing of Environment, 2017, 196, 224-237.	11.0	19
1060	A land data assimilation system for sub-Saharan Africa food and water security applications. Scientific Data, 2017, 4, 170012.	5.3	282
1061	System for Land Surface Model Applications Based on Cloud Computing. IEEE Access, 2017, 5, 12041-12048.	4.2	1
1062	Confounding factors in determining causal soil moistureâ€precipitation feedback. Water Resources Research, 2017, 53, 5531-5544.	4.2	35
1063	Tradeâ€off between cost and accuracy in largeâ€scale surface water dynamic modeling. Water Resources Research, 2017, 53, 4942-4955.	4.2	44
1064	Treeâ€ring analysis and modeling approaches yield contrary response of circumboreal forest productivity to climate change. Global Change Biology, 2017, 23, 5179-5188.	9.5	74
1065	The Structure, Evolution, and Dynamics of a Nocturnal Convective System Simulated Using the WRF-ARW Model. Monthly Weather Review, 2017, 145, 3179-3201.	1.4	28
1066	Evapotranspiration of urban landscapes in <scp>L</scp> os <scp>A</scp> ngeles, <scp>C</scp> alifornia at the municipal scale. Water Resources Research, 2017, 53, 4236-4252.	4.2	56
1067	Improved meteorology and ozone air quality simulations using MODIS land surface parameters in the Yangtze River Delta urban cluster, China. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3116-3140.	3.3	31
1068	Multi-year application of WRF-CAM5 over East Asia-Part I: Comprehensive evaluation and formation regimes of O3 and PM2.5. Atmospheric Environment, 2017, 165, 122-142.	4.1	18
1069	Urban heat island mesoscale modelling study for the Budapest agglomeration area using the WRF model. Urban Climate, 2017, 21, 66-86.	5.7	25
1070	Real-time and short-term predictions of spring phenology in North America from VIIRS data. Remote Sensing of Environment, 2017, 194, 89-99.	11.0	26
1071	Effect of cloud microphysics on Indian summer monsoon precipitating clouds: A coupled climate modeling study. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3786-3805.	3.3	34
1072	Vertical discretization with finite elements for a global hydrostatic model on the cubed sphere. Journal of Computational Physics, 2017, 338, 339-356.	3.8	2
1073	Continental-scale convection-permitting modeling of the current and future climate of North America. Climate Dynamics, 2017, 49, 71-95.	3.8	362

#	Article	IF	CITATIONS
1074	Comparison of Methods to Estimate Snow Water Equivalent at the Mountain Range Scale: A Case Study of the California Sierra Nevada. Journal of Hydrometeorology, 2017, 18, 1101-1119.	1.9	54
1075	Effects of Water-Table Configuration on the Planetary Boundary Layer over the San Joaquin River Watershed, California. Journal of Hydrometeorology, 2017, 18, 1471-1488.	1.9	23
1076	Orographic Land–Atmosphere Interactions and the Diurnal Cycle of Low-Level Clouds and Fog. Journal of Hydrometeorology, 2017, 18, 1513-1533.	1.9	31
1077	Sensitivity of Simulated Urban–Atmosphere Interactions in Oklahoma City to Urban Parameterization. Journal of Applied Meteorology and Climatology, 2017, 56, 1405-1430.	1.5	4
1078	Highâ€resolution regionalâ€coupled ocean–atmosphere simulation of the Indian Summer Monsoon. International Journal of Climatology, 2017, 37, 717-740.	3.5	14
1079	WRF nested largeâ€eddy simulations of deep convection during SEAC ⁴ RS. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3953-3974.	3.3	20
1080	Sensitivity of Northern Great Plains Convection Forecasts to Upstream and Downstream Forecast Errors. Monthly Weather Review, 2017, 145, 2141-2163.	1.4	17
1081	Utility of Satellite Remote Sensing for Land–Atmosphere Coupling and Drought Metrics. Journal of Hydrometeorology, 2017, 18, 863-877.	1.9	17
1082	Parallel Construction of the WRF Pleim-Xiu Land Surface Scheme With Intel Many Integrated Core (MIC) Architecture. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1239-1246.	4.9	4
1083	On the Long-Term Hydroclimatic Sustainability of Perennial Bioenergy Crop Expansion over the United States. Journal of Climate, 2017, 30, 2535-2557.	3.2	23
1084	Comparison and Assessment of Three Advanced Land Surface Models in Simulating Terrestrial Water Storage Components over the United States. Journal of Hydrometeorology, 2017, 18, 625-649.	1.9	61
1085	Landâ€∎tmosphere coupling in EURO ORDEX evaluation experiments. Journal of Geophysical Research D: Atmospheres, 2017, 122, 79-103.	3.3	84
1086	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. Weather and Forecasting, 2017, 32, 289-315.	1.4	30
1087	Comparing Standard to Feature-Based Meteorological Model Evaluation Techniques in BogotÃ;, Colombia. Journal of Applied Meteorology and Climatology, 2017, 56, 391-413.	1.5	14
1088	Development of a Model Performance Metric and Its Application to Assess Summer Precipitation over the U.S. Great Plains in Downscaled Climate Simulations. Journal of Hydrometeorology, 2017, 18, 2781-2799.	1.9	12
1089	Subseasonal Dynamical Prediction of East Asian Cold Surges. Weather and Forecasting, 2017, 32, 1675-1694.	1.4	19
1090	Prediction of Indian Summer-Monsoon Onset Variability: A Season in Advance. Scientific Reports, 2017, 7, 14229.	3.3	29
1091	Thermodynamic Retrieval in Rapidly Rotating Vortices from Multiple-Doppler Radar Data. Journal of Atmospheric and Oceanic Technology, 2017, 34, 2353-2374.	1.3	13

ARTICLE IF CITATIONS Optimization of Noah and Noah MP WRF Land Surface Schemes in Snow-Melting Conditions over 1092 39 1.4 Complex Terrain. Monthly Weather Review, 2017, 145, 4727-4745. Effectiveness of Different Urban Heat Island Mitigation Methods and Their Regional Impacts. Journal 1093 of Hydrometeorology, 2017, 18, 2991-3012. Rivers and Floodplains as Key Components of Global Terrestrial Water Storage Variability. 1094 4.0 90 Geophysical Research Letters, 2017, 44, 10,359. Sustainable Land Management for Bioenergy Crops. Energy Procedia, 2017, 125, 379-388. 1.8 The 2016 Southeastern U.S. Drought: An Extreme Departure From Centennial Wetting and Cooling. 1096 3.3 48 Journal of Geophysical Research D: Atmospheres, 2017, 122, 10888-10905. Improved methods for estimating local terrestrial water dynamics from GRACE in the Northern High Plains. Advances in Water Resources, 2017, 110, 279-290. 3.8 Estimation of the Isotopic Composition and Origins of Winter Precipitation Over Japan Using a 1098 3.3 12 Regional Isotope Circulation Model. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,621. Upper Blue Nile basin water budget from a multi-model perspective. Journal of Hydrology, 2017, 555, 1099 5.4 39 535-546. 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 1100 1.6 5 high-resolution regional atmospheric model. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 164, 259-267. Subtropical Dust Storms and Downslope Wind Events. Journal of Geophysical Research D: 3.3 Atmospheres, 2017, 122, 10,191. Mesoscale precipitation characteristics near the Western Ghats during the Indian Summer Monsoon 1102 as simulated by a highâ€resolution regional model. Quarterly Journal of the Royal Meteorological 2.7 15 Society, 2017, 143, 3070-3084. Modulation of Soil Initial State on WRF Model Performance Over China. Journal of Geophysical 3.3 Research D: Atmospheres, 2017, 122, 11,278. The role of local heating in the 2015 Indian Heat Wave. Scientific Reports, 2017, 7, 7707. 1104 3.3 30 WRF high resolution simulation of an extreme rainfall event over Douala (Cameroon): a case study. 3.4 Modeling Earth Systems and Environment, 2017, 3, 927-942. High-Resolution Model-Based Investigation of Moisture Transport into the Pacific Northwest during a 1106 1.4 8 Strong Atmospheric River Event. Monthly Weather Review, 2017, 145, 3861-3879. Annual Estimates of Recharge, Quickâ€Flow Runoff, and Evapotranspiration for the Contiguous <scp>U.S.</scp> Using Empirical Regression Equations. Journal of the American Water Resources 2.4 Association, 2017, 53, 961-983. ESA CCI Soil Moisture for improved Earth system understanding: State-of-the art and future 1108 11.0 781 directions. Remote Sensing of Environment, 2017, 203, 185-215. Numerical Simulations of the 2013 Alberta Flood: Dynamics, Thermodynamics, and the Role of 1109 1.4 Orography. Monthly Weather Review, 2017, 145, 3049-3072.

CITA	TION	DEDODT
CITA	I I U N	REPORT

#	Article	IF	CITATIONS
1110	Radiative effect of black carbon aerosol on a squall line case in North China. Atmospheric Research, 2017, 197, 407-414.	4.1	10
1111	A case study involving single observation experiments performed over snowy Siberia using a coupled atmosphereâ€land modelling system. Atmospheric Science Letters, 2017, 18, 106-111.	1.9	13
1112	Binary mesovortex structure associated with southwest vortex. Atmospheric Science Letters, 2017, 18, 246-252.	1.9	8
1113	Nearâ€surface strong winds in a marine extratropical cyclone: acceleration of the winds and the importance of surface fluxes. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 321-332.	2.7	15
1114	A realistic meteorological assessment of perennial biofuel crop deployment: a Southern Great Plains perspective. GCB Bioenergy, 2017, 9, 1024-1041.	5.6	6
1115	Investigation of aerosol effects on the Arctic surface temperature during the diurnal cycle: part 2 – Separating aerosol effects. International Journal of Climatology, 2017, 37, 775-787.	3.5	5
1116	Evaluation of Snow Water Equivalent in NARCCAP Simulations, Including Measures of Observational Uncertainty. Journal of Hydrometeorology, 2017, 18, 2425-2452.	1.9	17
1117	Multiscale Aspects of the Storm Producing the June 2013 Flooding in Uttarakhand, India. Monthly Weather Review, 2017, 145, 4447-4466.	1.4	54
1118	On the diurnal cycle of surface energy fluxes in the North American monsoon region using the WRFâ€Hydro modeling system. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9024-9049.	3.3	26
1119	Drought indices revisited – improving and testing of drought indices in a simulation of the last two millennia for Europe. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 69, 1296226.	1.7	30
1120	Impacts of aerosol-radiation feedback on local air quality during a severe haze episode in Nanjing megacity, eastern China. Tellus, Series B: Chemical and Physical Meteorology, 2022, 69, 1339548.	1.6	40
1121	Assessment of a Long-Term High-Resolution Hydroclimatic Dataset for the U.S. Midwest. Earth Interactions, 2017, 21, 1-31.	1.5	4
1122	Prolongation of SMAP to Spatiotemporally Seamless Coverage of Continental U.S. Using a Deep Learning Neural Network. Geophysical Research Letters, 2017, 44, 11,030.	4.0	173
1123	Improving the Stable Surface Layer in the NCEP Global Forecast System. Monthly Weather Review, 2017, 145, 3969-3987.	1.4	12
1124	Assessment of NWP Forecast Models in Simulating Offshore Winds through the Lower Boundary Layer by Measurements from a Ship-Based Scanning Doppler Lidar. Monthly Weather Review, 2017, 145, 4277-4301.	1.4	20
1125	Extreme flooding mobilized dissolved organic matter from coastal forested wetlands. Biogeochemistry, 2017, 136, 293-309.	3.5	43
1126	Improving Lightning and Precipitation Prediction of Severe Convection Using Lightning Data Assimilation With NCAR WRFâ€RTFDDA. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,296.	3.3	29
1127	A Systematic Evaluation of Noahâ€MP in Simulating Landâ€Atmosphere Energy, Water, and Carbon Exchanges Over the Continental United States. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,245.	3.3	92

#	ARTICLE Assessment of reanalysis soil moisture products in the permafrost regions of the central of the	IF	CITATIONS
1128	<scp>Qinghai–Tibet Plateau</scp> . Hydrological Processes, 2017, 31, 4647-4659. Advances in land modeling of KIAPS based on the Noah Land Surface Model. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 361-373.	2.3	20
1130	Reconstructing annual groundwater storage changes in a large-scale irrigation region using GRACE data and Budyko model. Journal of Hydrology, 2017, 551, 397-406.	5.4	40
1131	Feasibility Study of the Reconstruction of Historical Weather with Data Assimilation. Monthly Weather Review, 2017, 145, 3563-3580.	1.4	7
1132	Changes in surface energy partitioning in China over the past three decades. Advances in Atmospheric Sciences, 2017, 34, 635-649.	4.3	3
1133	Internal Intraseasonal Variability of the West African Monsoon in WRF. Journal of Climate, 2017, 30, 5815-5833.	3.2	5
1134	Assessment of the plume dispersion due to chemical attack on April 4, 2017, in Syria. Natural Hazards, 2017, 88, 1893-1901.	3.4	19
1135	Assessment of Seasonal Soil Moisture Forecasts over Southern South America with Emphasis on Dry and Wet Events. Journal of Hydrometeorology, 2017, 18, 2297-2311.	1.9	4
1136	Reforecasting the ENSO Events in the Past 57 Years (1958–2014). Journal of Climate, 2017, 30, 7669-7693.	3.2	34
1137	A study of 2014 record drought in India with CFSv2 model: role of water vapor transport. Climate Dynamics, 2017, 49, 297-312.	3.8	14
1138	Ocean Upwelling Along the Yellow Sea Coast of China Revealed by Satellite Observations and Numerical Simulation. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 526-536.	6.3	14
1139	A New Snow Density Parameterization for Land Data Initialization. Journal of Hydrometeorology, 2017, 18, 197-207.	1.9	36
1140	Assimilating synthetic hyperspectral sounder temperature and humidity retrievals to improve severe weather forecasts. Atmospheric Research, 2017, 186, 9-25.	4.1	16
1141	Evaluation and improvement of the default soil hydraulic parameters for the Noah Land Surface Model. Geoderma, 2017, 285, 247-259.	5.1	37
1142	A Severe Weather Quick Observing System Simulation Experiment (QuickOSSE) of Global Navigation Satellite System (GNSS) Radio Occultation (RO) Superconstellations. Monthly Weather Review, 2017, 145, 637-651.	1.4	6
1143	Application of the Land–Atmosphere Coupling Paradigm to the Operational Coupled Forecast System, Version 2 (CFSv2). Journal of Hydrometeorology, 2017, 18, 85-108.	1.9	37
1144	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. Springer Remote Sensing/photogrammetry, 2017, , 173-196.	0.4	1
1145	How distinct are the two flavors of El Niño in retrospective forecasts of Climate Forecast System version 2 (CFSv2)?. Climate Dynamics, 2017, 48, 3829-3854.	3.8	25

#	Article	IF	CITATIONS
1146	Effects of lifeâ€history requirements on the distribution of a threatened reptile. Conservation Biology, 2017, 31, 427-436.	4.7	9
1147	Modeling of urban heat island and its impacts on thermal circulations in the Beijing–Tianjin–Hebei region, China. Theoretical and Applied Climatology, 2017, 128, 999-1013.	2.8	34
1148	NAQFC Developmental Forecast Guidance for Fine Particulate Matter (PM2.5). Weather and Forecasting, 2017, 32, 343-360.	1.4	57
1149	Projections of climate change impacts on central America tropical rainforest. Climatic Change, 2017, 141, 93-105.	3.6	45
1150	Relation of Eurasian Snow Cover and Indian Summer Monsoon Rainfall: Importance of the Delayed Hydrological Effect. Journal of Climate, 2017, 30, 1273-1289.	3.2	61
1151	Numerical Solution of Richards' Equation: A Review of Advances and Challenges. Soil Science Society of America Journal, 2017, 81, 1257-1269.	2.2	194
1152	Radial Growth and Physiological Response of Coniferous Trees to Arctic Amplification. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2786-2803.	3.0	20
1153	Invigoration and Capping of a Convective Rainband ahead of a Potential Vorticity Anomaly. Monthly Weather Review, 2017, 145, 2093-2117.	1.4	6
1154	Cross-polar transport and scavenging of Siberian aerosols containing black carbon during the 2012 ACCESS summer campaign. Atmospheric Chemistry and Physics, 2017, 17, 10969-10995.	4.9	24
1155	A multi-model approach to monitor emissions of CO ₂ and CO from an urban–industrial complex. Atmospheric Chemistry and Physics, 2017, 17, 13297-13316.	4.9	15
1156	Bayesian inverse modeling of the atmospheric transport and emissions of aÂcontrolled tracer release from aÂnuclear power plant. Atmospheric Chemistry and Physics, 2017, 17, 13521-13543.	4.9	27
1157	Quantification of CO emissions from the city of Madrid using MOPITT satellite retrievals and WRF simulations. Atmospheric Chemistry and Physics, 2017, 17, 14675-14694.	4.9	21
1158	A revised radiation package of Gâ€packed McICA and twoâ€stream approximation: Performance evaluation in a global weather forecasting model. Journal of Advances in Modeling Earth Systems, 2017, 9, 1628-1640.	3.8	45
1159	Orographic control of the Bay of Bengal cold pool rainfall. Journal of Earth System Science, 2017, 126, 1.	1.3	4
1160	Evaluation of Multiple Planetary Boundary Layer Parameterization Schemes in Southeast U.S. Cold Season Severe Thunderstorm Environments. Weather and Forecasting, 2017, 32, 1857-1884.	1.4	21
1161	Image of local energy anomaly during a heavy rainfall event. Chinese Physics B, 2017, 26, 119201.	1.4	1
1162	Improvements to the snow melting process in a partially double moment microphysics parameterization. Journal of Advances in Modeling Earth Systems, 2017, 9, 1150-1166.	3.8	21
1163	The Role of Jet Adjustment Processes in Subtropical Dust Storms. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,122.	3.3	9

#	Article	IF	CITATIONS
1164	Similarity Assessment of Land Surface Model Outputs in the North American Land Data Assimilation System. Water Resources Research, 2017, 53, 8941-8965.	4.2	34
1165	The Effect of the Dry Line and Convective Initiation on Drought Evolution over Oklahoma during the 2011 Drought. Advances in Meteorology, 2017, 2017, 1-16.	1.6	6
1166	Inter-comparison of daily precipitation products for large-scale hydro-climatic applications over Canada. Hydrology and Earth System Sciences, 2017, 21, 2163-2185.	4.9	80
1167	Estimation of surface energy fluxes in the Arctic tundra using the remote sensing thermal-based Two-Source Energy Balance model. Hydrology and Earth System Sciences, 2017, 21, 1339-1358.	4.9	19
1168	Eurasian snow depth in long-term climate reanalyses. Cryosphere, 2017, 11, 923-935.	3.9	33
1169	Role of forcing uncertainty and background model error characterization in snow data assimilation. Hydrology and Earth System Sciences, 2017, 21, 2637-2647.	4.9	20
1170	Investigation of Potential Volcanic Risk from Mt. Baekdu by DInSAR Time Series Analysis and Atmospheric Correction. Remote Sensing, 2017, 9, 138.	4.0	16
1171	Gauging the Severity of the 2012 Midwestern U.S. Drought for Agriculture. Remote Sensing, 2017, 9, 767.	4.0	8
1172	Study of the Spatiotemporal Characteristics of Meltwater Contribution to the Total Runoff in the Upper Changjiang River Basin. Water (Switzerland), 2017, 9, 165.	2.7	7
1173	Evaluation of Surface Fluxes in the WRF Model: Case Study for Farmland in Rolling Terrain. Atmosphere, 2017, 8, 197.	2.3	32
1174	Blended Drought Index: Integrated Drought Hazard Assessment in the Cuvelai-Basin. Climate, 2017, 5, 51.	2.8	16
1175	Multiscale Dynamics of the February 11-12, 2010, Deep South US Snowstorm Event. Advances in Meteorology, 2017, 2017, 1-26.	1.6	1
1176	Human–water interface in hydrological modelling: current status and future directions. Hydrology and Earth System Sciences, 2017, 21, 4169-4193.	4.9	171
1177	Evaluation of the wind farm parameterization in the Weather Research and Forecasting model (version 3.8.1) with meteorologicalÂand turbine power data. Geoscientific Model Development, 2017, 10, 4229-4244.	3.6	45
1178	Trend analysis of fire season length and extreme fire weather in North America between 1979 and 2015. International Journal of Wildland Fire, 2017, 26, 1009.	2.4	91
1179	Analysis of parameter sensitivity on surface heat exchange in the Noah land surface model at a temperate desert steppe site in China. Journal of Meteorological Research, 2017, 31, 1167-1182.	2.4	9
1180	Estimating annual water storage variations in medium-scale (2000–10â€~000â€~km ²) basins using microwave-based soil moistu retrievals. Hydrology and Earth System Sciences, 2017, 21, 1849-1862.	ır ∉. 9	21
1181	Biogenic isoprene emissions driven by regional weather predictions using different initialization methods: case studies during the SEAC ⁴ RS and DISCOVER-AQ airborne campaigns. Geoscientific Model Development, 2017, 10, 3085-3104.	3.6	6

#	Article	IF	CITATIONS
1182	Recent changes in terrestrial water storage in the Upper Nile Basin: an evaluation of commonly used gridded GRACE products. Hydrology and Earth System Sciences, 2017, 21, 4533-4549.	4.9	43
1183	Description and evaluation of the Multiscale Online Nonhydrostatic AtmospheRe CHemistry model (NMMB-MONARCH) version 1.0: gas-phase chemistry at global scale. Geoscientific Model Development, 2017, 10, 609-638.	3.6	41
1184	Continuous high-resolution midlatitude-belt simulations for July–August 2013 with WRF. Geoscientific Model Development, 2017, 10, 2031-2055.	3.6	16
1185	Evapotranspiration seasonality across the Amazon Basin. Earth System Dynamics, 2017, 8, 439-454.	7.1	71
1186	Evaluation of Groundwater Storage Variations in Northern China Using GRACE Data. Geofluids, 2017, 2017, 1-13.	0.7	29
1187	Structure, characteristics, and simulation of monsoon lowâ€pressure systems in <scp>CFS</scp> v2 coupled model. Journal of Geophysical Research: Oceans, 2017, 122, 6394-6415.	2.6	19
1188	Extending flood forecasting lead time in a large watershed by coupling WRF QPF with a distributed hydrological model. Hydrology and Earth System Sciences, 2017, 21, 1279-1294.	4.9	59
1189	The interactions between soil–biosphere–atmosphere land surface model with a multi-energy balance (ISBA-MEB) option in SURFEXv8 – Part 1: Model description. Geoscientific Model Development, 2017, 10, 843-872.	3.6	70
1190	Canopy profile sensitivity on surface layer simulations evaluated by a multiple canopy layer higher order closure land surface model. Agricultural and Forest Meteorology, 2018, 252, 192-207.	4.8	11
1191	Urban Modification of Convection and Rainfall in Complex Terrain. Geophysical Research Letters, 2018, 45, 2507-2515.	4.0	52
1192	Implementing Dynamic Root Optimization in Noahâ€MP for Simulating Phreatophytic Root Water Uptake. Water Resources Research, 2018, 54, 1560-1575.	4.2	44
1193	Assessment of Land Surface Models in a High-Resolution Atmospheric Model during Indian Summer Monsoon. Pure and Applied Geophysics, 2018, 175, 3671-3696.	1.9	20
1194	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. International Journal of Remote Sensing, 2018, 39, 6300-6315.	2.9	6
1195	Remote sensing, hydrological modeling and in situ observations in snow cover research: A review. Journal of Hydrology, 2018, 561, 573-583.	5.4	124
1196	Performance of Different Surface Incoming Solar Radiation Models and Their Impacts on Reference Evapotranspiration. Water Resources Management, 2018, 32, 3053-3070.	3.9	18
1197	Simulation of the Intraseasonal Variations of the Indian Summer Monsoon in a Regional Coupled Ocean–Atmosphere Model. Journal of Climate, 2018, 31, 3167-3185.	3.2	21
1198	Spatiotemporal variability of snow cover and snow water equivalent in the last three decades over Eurasia. Journal of Hydrology, 2018, 559, 238-251.	5.4	70
1199	Australian snowpack in the NARCliM ensemble: evaluation, bias correction and future projections. Climate Dynamics, 2018, 51, 639-666.	3.8	16

#	Article	IF	CITATIONS
1200	Uncertainty in solid precipitation and snow depth prediction for Siberia using the Noah and Noah-MP land surface models. Frontiers of Earth Science, 2018, 12, 672-682.	2.1	16
1201	Assessing simulated summer 10-m wind speed over China: influencing processes and sensitivities to land surface schemes. Climate Dynamics, 2018, 50, 4189-4209.	3.8	10
1202	Potential predictability and actual skill of Boreal Summer Tropical SST and Indian summer monsoon rainfall in CFSv2-T382: Role of initial SST and teleconnections. Climate Dynamics, 2018, 51, 493-510.	3.8	18
1203	Evolution of 2016 drought in the Southeastern United States from a Land surface modeling perspective. Results in Physics, 2018, 8, 654-656.	4.1	14
1204	A potential predictor of multi-season droughts in Southwest China: soil moisture and its memory. Natural Hazards, 2018, 91, 553-566.	3.4	15
1205	Impacts of future urban expansion on summer climate and heat-related human health in eastern China. Environment International, 2018, 112, 134-146.	10.0	97
1206	Future Scenarios of Surface Water Resources Availability in North African Dams. Water Resources Management, 2018, 32, 1291-1306.	3.9	51
1207	The Influence of Aerosol Hygroscopicity on Precipitation Intensity During a Mesoscale Convective Event. Journal of Geophysical Research D: Atmospheres, 2018, 123, 424-442.	3.3	12
1208	The Character and Causes of Elevation-Dependent Warming in High-Resolution Simulations of Rocky Mountain Climate Change. Journal of Climate, 2018, 31, 2093-2113.	3.2	56
1209	Verification of Land–Atmosphere Coupling in Forecast Models, Reanalyses, and Land Surface Models Using Flux Site Observations. Journal of Hydrometeorology, 2018, 19, 375-392.	1.9	66
1210	Substantial impacts of landscape changes on summer climate with major regional differences: The case of China. Science of the Total Environment, 2018, 625, 416-427.	8.0	15
1211	Understanding the Dominant Sources and Tracks of Moisture for Summer Rainfall in the Southwest United States. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4850-4870.	3.3	45
1212	Effect of land model ensemble versus coupled model ensemble on the simulation of precipitation climatology and variability. Theoretical and Applied Climatology, 2018, 134, 793-800.	2.8	3
1213	Development and Validation of a Long-Term, Global, Terrestrial Sensible Heat Flux Dataset. Journal of Climate, 2018, 31, 6073-6095.	3.2	10
1214	Evaluation of the WRFâ€Urban Modeling System Coupled to Noah and Noahâ€MP Land Surface Models Over a Semiarid Urban Environment. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2387-2408.	3.3	68
1215	Interactions of atmospheric gases and aerosols with the monsoon dynamics over the Sudano-Guinean region during AMMA. Atmospheric Chemistry and Physics, 2018, 18, 445-465.	4.9	10
1216	Air quality and climate change, Topic 3 of the Model Inter-Comparison Study for Asia Phase III (MICS-Asia III) – PartÂ1: Overview and model evaluation. Atmospheric Chemistry and Physics, 2018, 18, 4859-4884.	4.9	69
1217	Temporal and spatial characteristics of dust devils and their contribution to the aerosol budget in East Asia—An analysis using a new parameterization scheme for dust devils. Atmospheric Environment, 2018, 182, 225-233.	4.1	12

#	Article	IF	CITATIONS
1218	Modeling the Evolution and Life Cycle of Radiative Cold Pools and Fog. Weather and Forecasting, 2018, 33, 203-220.	1.4	21
1219	Correction of Forcing-Related Spatial Artifacts in a Land Surface Model by Satellite Soil Moisture Data Assimilation. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 498-502.	3.1	13
1220	The Simulated Impact of the Snow Albedo Feedback on the Large-Scale Mountain–Plain Circulation East of the Colorado Rocky Mountains. Journals of the Atmospheric Sciences, 2018, 75, 755-774.	1.7	10
1221	Mean and intraâ€ s easonal variability simulated by NCEP Climate Forecast System model (version 2.0) during boreal winter: Impact of horizontal resolution. International Journal of Climatology, 2018, 38, 3028-3043.	3.5	3
1222	An urban climate assessment and management tool for combined heat and air quality judgements at neighbourhood scales. Resources, Conservation and Recycling, 2018, 132, 204-217.	10.8	29
1223	Eta model simulations using two radiation schemes in clear-sky conditions. Meteorology and Atmospheric Physics, 2018, 130, 39-48.	2.0	7
1224	Climate change projections over three metropolitan regions in Southeast Brazil using the non-hydrostatic Eta regional climate model at 5-km resolution. Theoretical and Applied Climatology, 2018, 132, 663-682.	2.8	87
1225	Evaluation of energy fluxes in the NCEP climate forecast system version 2.0 (CFSv2). Climate Dynamics, 2018, 50, 101-114.	3.8	9
1226	Winter precipitation characteristics in western US related to atmospheric river landfalls: observations and model evaluations. Climate Dynamics, 2018, 50, 231-248.	3.8	26
1227	An estimation of water origins in the vicinity of a tropical cyclone's center and associated dynamic processes. Climate Dynamics, 2018, 50, 555-569.	3.8	21
1228	Role of monsoon intraseasonal oscillation and its interannual variability in simulation of seasonal mean in CFSv2. Theoretical and Applied Climatology, 2018, 131, 745-760.	2.8	2
1230	Global Terrestrial Water Storage Changes and Connections to ENSO Events. Surveys in Geophysics, 2018, 39, 1-22.	4.6	81
1231	Attribution Analysis of the Ethiopian Drought of 2015. Journal of Climate, 2018, 31, 2465-2486.	3.2	114
1232	Comparative analysis of different underlying surfaces using a high-resolution assimilation dataset in semi-arid areas in China. Theoretical and Applied Climatology, 2018, 134, 817-828.	2.8	1
1233	Information theoretic evaluation of satellite soil moisture retrievals. Remote Sensing of Environment, 2018, 204, 392-400.	11.0	89
1234	Survey of data assimilation methods for convectiveâ€scale numerical weather prediction at operational centres. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1218-1256.	2.7	189
1235	Intercomparison of surface energy fluxes, soil moisture, and evapotranspiration from eddy covariance, large-aperture scintillometer, and modeling across three ecosystems in a semiarid climate. Agricultural and Forest Meteorology, 2018, 248, 22-47.	4.8	32
1236	Land-atmosphere interaction patterns in southeastern South America using satellite products and climate models. International Journal of Applied Earth Observation and Geoinformation, 2018, 64, 96-103.	2.8	25

#	Article	IF	CITATIONS
1237	Sensitivity of Offshore Surface Fluxes and Sea Breezes to the Spatial Distribution of Sea-Surface Temperature. Boundary-Layer Meteorology, 2018, 166, 475-502.	2.3	7
1238	Azimuthal Distribution of Deep Convection, Environmental Factors, and Tropical Cyclone Rapid Intensification: A Perspective from HWRF Ensemble Forecasts of Hurricane Edouard (2014). Journals of the Atmospheric Sciences, 2018, 75, 275-295.	1.7	38
1239	Climate change impact on the potential yield of Arabica coffee in southeast Brazil. Regional Environmental Change, 2018, 18, 873-883.	2.9	53
1240	Seasonal prediction and predictability of Eurasian spring snow water equivalent in NCEP Climate Forecast System version 2 reforecasts. Climate Dynamics, 2018, 50, 339-348.	3.8	7
1241	Impact of Land Surface and Forcing Parameters on the Spin-up Behaviour of Noah Land Surface Model over the Indian Sub-Continent. Pure and Applied Geophysics, 2018, 175, 389-401.	1.9	0
1242	Precipitation reduction during Hurricane Harvey with simulated offshore wind farms. Environmental Research Letters, 2018, 13, 084007.	5.2	13
1243	The WASCAL Hydrometeorological Observatory in the Sudan Savanna of Burkina Faso and Ghana. Vadose Zone Journal, 2018, 17, 1-20.	2.2	15
1244	Precipitation Partitioning in Multiscale Atmospheric Simulations: Impacts of Stability Restoration Methods. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,185.	3.3	9
1245	100 Years of Progress in Hydrology. Meteorological Monographs, 2018, 59, 25.1-25.51.	5.0	16
1246	Impact of Using Near Real-Time Green Vegetation Fraction in Noah Land Surface Model of NOAA NCEP on Numerical Weather Predictions. Advances in Meteorology, 2018, 2018, 1-12.	1.6	5
1247	Downslope Windstorms of San Diego County. Part II: Physics Ensemble Analyses and Gust Forecasting. Weather and Forecasting, 2018, 33, 539-559.	1.4	26
1248	Coupled model fidelity in capturing atmospheric internal processes during organization and intensification of boreal summer intraâ€seasonal oscillation. International Journal of Climatology, 2018, 38, 5339-5353.	3.5	3
1249	Hindcast skill improvement in Climate Forecast System (CFSv2) using modified cloud scheme. International Journal of Climatology, 2018, 38, 2994-3012.	3.5	14
1250	Introduction to CAUSES: Description of Weather and Climate Models and Their Near‧urface Temperature Errors in 5Âday Hindcasts Near the Southern Great Plains. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2655-2683.	3.3	53
1251	Predicting the Inland Penetration of Long-Lake-Axis-Parallel Snowbands. Weather and Forecasting, 2018, 33, 1435-1451.	1.4	7
1252	Estimating Soil Evaporation Using Drying Rates Determined from Satellite-Based Soil Moisture Records. Remote Sensing, 2018, 10, 1945.	4.0	9
1253	Monsoon Climate Change Projection for the Orographic West Coast of India Using Highâ€Resolution Nested Dynamical Downscaling Model. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7821-7838.	3.3	18
1254	Modeling the Origin of Anthropogenic Black Carbon and Its Climatic Effect Over the Tibetan Plateau and Surrounding Regions. Journal of Geophysical Research D: Atmospheres, 2018, 123, 671-692.	3.3	75

ARTICLE IF CITATIONS The Simulation of East Asian Summer Monsoon Precipitation With a Regional Oceanâ€Atmosphere 1255 3.3 7 Coupled Model. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,362. Large-scale Wetland Mapping and Evaluation., 2018, , 45-77. Exploring seasonal and regional relationships between the Evaporative Stress Index and surface 1257 weather and soil moisture anomalies across the United States. Hydrology and Earth System Sciences, 4.9 13 2018, 22, 5373-5386. Impact of Turbulent Mixing in the Stratocumulus-Topped Boundary Layer on Numerical Weather Prediction. Asia-Pacific Journal of Atmospheric Sciences, 2018, 54, 371-384. Impact of GVF Derivation Methods on Noah Land Surface Model Simulations and WRF Model 1259 1.9 6 Forecasts. Journal of Hydrometeorology, 2018, 19, 1917-1933. Spatial and Temporal Variability of Root-Zone Soil Moisture Acquired From Hydrologic Modeling and AirMOSS P-Band Radar. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4578-4590. Examination of the Physical Atmosphere in the Great Lakes Region and Its Potential Impact on Air 1261 Qualityâ€"Overwater Stability and Satellite Assimilation. Journal of Applied Meteorology and 1.522 Climatology, 2018, 57, 2789-2816. Role of soil moisture-atmosphere feedback during high temperature events in 2002 over Northeast 3.0 Eurasia. Progress in Earth and Planetary Science, 2018, 5, . Seasonal variation in isotopic composition and the origin of precipitation over Bangladesh. Progress 1263 3.0 22 in Earth and Planetary Science, 2018, 5, . 1264 Winds and Gusts during the Thomas Fire. Fire, 2018, 1, 47. 2.8 Evaluation of Forecasts of a Convectively Generated Bore Using an Intensively Observed Case Study 1265 1.4 19 from PECAN. Monthly Weather Review, 2018, 146, 3097-3122. Evaluation of heat wave forecasts seamlessly across subseasonal timescales. Npj Climate and 1266 6.8 29 Atmospheric Science, 2018, 1, . Modified NAM Microphysics for Forecasts of Deep Convective Storms. Monthly Weather Review, 2018, 1267 1.4 32 146, 4115-4153. Extreme Drought Events over the Amazon Basin: The Perspective from the Reconstruction of South 1268 2.7 American Hydroclimate. Water (Switzerland), 2018, 10, 1594. Evaluation of Simulated Snow and Snowmelt Timing in the Community Land Model Using 1269 Satelliteâ€Based Products and Streamflow Observations. Journal of Advances in Modeling Earth 3.8 12 Systems, 2018, 10, 2933-2951. On the Harvest of Predictability From Land States in a Global Forecast Model. Journal of Geophysical 1270 Research D: Atmospheres, 2018, 123, 13,111. Evaluation of Land Surface Model Against Smap and In-Situ Observations for Indian Region., 2018, , . 1271 5 A comparative study of available water in the major river basins of the world. Journal of Hydrology, 1272 5.4 2018, 567, 510-532.

#	Article	IF	Citations
1273	An Evaluation of Paired Regional/Convection-Allowing Forecast Vertical Thermodynamic Profiles in Warm-Season, Thunderstorm-Supporting Environments. Weather and Forecasting, 2018, 33, 1547-1566.	1.4	5
1274	New Optical Properties of Ice Crystals for Multiclass Cloud Microphysics. Journal of Advances in Modeling Earth Systems, 2018, 10, 2971-2982.	3.8	3
1275	Impacts of Land-Use Data on the Simulation of Surface Air Temperature in Northwest China. Journal of Meteorological Research, 2018, 32, 896-908.	2.4	12
1276	Assessing SMAP Soil Moisture Scaling and Retrieval in the Carman (Canada) Study Site. Vadose Zone Journal, 2018, 17, 1-14.	2.2	59
1277	Impact of a Narrow Coastal Bay of Bengal Sea Surface Temperature Front on an Indian Summer Monsoon Simulation. Scientific Reports, 2018, 8, 17694.	3.3	34
1278	A Preliminary Assessment of the Impact of Assimilating Satellite Soil Moisture Data Products on NCEP Global Forecast System. Advances in Meteorology, 2018, 2018, 1-12.	1.6	9
1279	Susquehanna Shale Hills Critical Zone Observatory: Shale Hills in the Context of Shaver's Creek Watershed. Vadose Zone Journal, 2018, 17, 1-19.	2.2	36
1280	The Implications for Radiative Cloud Forcing via the Link Between Shallow Convection and Planetary Boundary Layer Mixing. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,203.	3.3	3
1281	Groundwater Storage Changes in China from Satellite Gravity: An Overview. Remote Sensing, 2018, 10, 674.	4.0	142
1282	Comparison of Agricultural Stakeholder Survey Results and Drought Monitoring Datasets during the 2016 U.S. Northern Plains Flash Drought. Weather, Climate, and Society, 2018, 10, 867-883.	1.1	28
1283	Uncertainties of 3D soil hydraulic parameters in streamflow simulations using a distributed hydrological model system. Journal of Hydrology, 2018, 567, 12-24.	5.4	8
1284	The role of evapotranspiration in streamflow modeling – An analysis using entropy. Journal of Hydrology, 2018, 567, 290-304.	5.4	19
1285	Global Investigation of Soil Moisture and Latent Heat Flux Coupling Strength. Water Resources Research, 2018, 54, 8196-8215.	4.2	34
1286	Estimating monthly evapotranspiration by assimilating remotely sensed water storage data into the extended Budyko framework across different climatic regions. Journal of Hydrology, 2018, 567, 684-695.	5.4	36
1287	Performance Assessment of MOD16 in Evapotranspiration Evaluation in Northwestern Mexico. Water (Switzerland), 2018, 10, 901.	2.7	36
1288	Application of a Physical Ensemble Method in the POD-4DEnVar. Weather and Forecasting, 2018, 33, 1567-1585.	1.4	2
1289	Comprehensive Evaluation of the Variable Infiltration Capacity (VIC) Model in the North American Land Data Assimilation System. Journal of Hydrometeorology, 2018, 19, 1853-1879.	1.9	15
1290	Biased Wind Measurements in Estuarine Waters. Journal of Geophysical Research: Oceans, 2018, 123, 3577-3587.	2.6	17
#	Article	IF	CITATIONS
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1291	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. Asia-Pacific Journal of Atmospheric Sciences, 2018, 54, 545-561.	2.3	0
1292	Modeling Regional Pollution Transport Events During KORUSâ€AQ: Progress and Challenges in Improving Representation of Landâ€Atmosphere Feedbacks. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10732-10756.	3.3	10
1293	Opportunities and Challenges in Computing Fresh Groundwater Discharge to Continental Coastlines: A Multimodel Comparison for the United States Gulf and Atlantic Coasts. Water Resources Research, 2018, 54, 8363-8380.	4.2	13
1294	Satellite Remote Sensing for Water Resources Management: Potential for Supporting Sustainable Development in Dataâ€Poor Regions. Water Resources Research, 2018, 54, 9724-9758.	4.2	247
1295	Trapped Gravity Waves and Their Association with Turbulence in a Large Thunderstorm Anvil during PECAN. Monthly Weather Review, 2018, 146, 3031-3052.	1.4	6
1296	Aerosol distribution in the northern Gulf of Guinea: local anthropogenic sources, long-range transport, and the role of coastal shallow circulations. Atmospheric Chemistry and Physics, 2018, 18, 12363-12389.	4.9	21
1297	Validation and assessment of SPoRT-LIS surface soil moisture estimates for water resources management applications. Journal of Hydrology, 2018, 566, 43-54.	5.4	12
1298	Precipitation Redistribution Method for Regional Simulations of Radioactive Material Transport During the Fukushima Daiichi Nuclear Power Plant Accident. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,248.	3.3	2
1299	An Assessment of the Impact of Land Thermal Infrared Observation on Regional Weather Forecasts Using Two Different Data Assimilation Approaches. Remote Sensing, 2018, 10, 625.	4.0	11
1300	Downscaling of SMAP Soil Moisture Using Land Surface Temperature and Vegetation Data. Vadose Zone Journal, 2018, 17, 1-15.	2.2	57
1301	Sensitivity of Tropical Cyclone Intensity and Structure to Planetary Boundary Layer Parameterization. Asia-Pacific Journal of Atmospheric Sciences, 2018, 54, 473-488.	2.3	12
1302	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. Hydrology and Earth System Sciences, 2018, 22, 3391-3407.	4.9	20
1303	Estimation of Lake Outflow from the Poorly Gauged Lake Tana (Ethiopia) Using Satellite Remote Sensing Data. Remote Sensing, 2018, 10, 1060.	4.0	11
1304	Impacts of Land Cover and Soil Texture Uncertainty on Land Model Simulations Over the Central Tibetan Plateau. Journal of Advances in Modeling Earth Systems, 2018, 10, 2121-2146.	3.8	41
1305	Intercomparison and Uncertainty Assessment of Nine Evapotranspiration Estimates Over South America. Water Resources Research, 2018, 54, 2891-2908.	4.2	71
1306	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. Ecological Modelling, 2018, 380, 8-21.	2.5	23
1307	Controls on surface soil drying rates observed by SMAP and simulated by the Noah land surface model. Hydrology and Earth System Sciences, 2018, 22, 1649-1663.	4.9	45
1308	Assessment of the Weather Research and Forecasting (WRF) model for simulation of extreme rainfall events in the upper Ganga Basin. Hydrology and Earth System Sciences, 2018, 22, 1095-1117.	4.9	94

#	Article	IF	CITATIONS
1309	Direct radiative effects during intense Mediterranean desert dust outbreaks. Atmospheric Chemistry and Physics, 2018, 18, 8757-8787.	4.9	41
1310	Assessing the feasibility of using produced water for irrigation in Colorado. Science of the Total Environment, 2018, 640-641, 619-628.	8.0	61
1311	Drought Variability and Trends over the Central United States in the Instrumental Record. Journal of Hydrometeorology, 2018, 19, 1149-1166.	1.9	11
1312	ls There a Change From a Warmâ€Dry to a Warmâ€Wet Climate in the Inland River Area of China? Interpretation and Analysis Through Surface Water Balance. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7114-7131.	3.3	19
1313	Contributions of GCM/RCM Uncertainty in Ensemble Dynamical Downscaling for Precipitation in East Asian Summer Monsoon Season. Scientific Online Letters on the Atmosphere, 2018, 14, 97-104.	1.4	13
1314	Probabilistic forecasting of day-ahead solar irradiance using quantile gradient boosting. Solar Energy, 2018, 173, 313-327.	6.1	54
1315	Seasonal and Decadal Groundwater Changes in African Sedimentary Aquifers Estimated Using GRACE Products and LSMs. Remote Sensing, 2018, 10, 904.	4.0	50
1316	Modelling the dynamics of evapotranspiration using Variable Infiltration Capacity model and regionally calibrated Hargreaves approach. Irrigation Science, 2018, 36, 289-300.	2.8	35
1317	Forecasting Summertime Surface Temperature and Precipitation in the Mexico City Metropolitan Area: Sensitivity of the WRF Model to Land Cover Changes. Frontiers in Earth Science, 2018, 6, .	1.8	9
1318	Representation of Ocean-Atmosphere Processes Associated with Extended Monsoon Episodes over South Asia in CFSv2. Frontiers in Earth Science, 2018, 6, .	1.8	4
1319	Impact of Land Surface Initialization and Land-Atmosphere Coupling on the Prediction of the Indian Summer Monsoon with the CFSv2. Frontiers in Environmental Science, 2018, 5, .	3.3	17
1320	Evaluation of the Forecast Accuracy of Near-Surface Temperature and Wind in Northwest China Based on the WRF Model. Journal of Meteorological Research, 2018, 32, 469-490.	2.4	14
1321	Challenges and Opportunities for Data Assimilation in Mountainous Environments. Atmosphere, 2018, 9, 127.	2.3	14
1322	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. Atmospheric Research, 2018, 213, 476-491.	4.1	6
1323	Assimilation of MODIS Snow Cover Fraction Observations into the NASA Catchment Land Surface Model. Remote Sensing, 2018, 10, 316.	4.0	32
1324	Groundwater Depletion in the West Liaohe River Basin, China and Its Implications Revealed by GRACE and In Situ Measurements. Remote Sensing, 2018, 10, 493.	4.0	82
1325	Attribution of Flux Partitioning Variations between Land Surface Models over the Continental U.S Remote Sensing, 2018, 10, 751.	4.0	23
1326	Monitoring Groundwater Storage Changes Using the Gravity Recovery and Climate Experiment (GRACE) Satellite Mission: A Review. Remote Sensing, 2018, 10, 829.	4.0	171

#	Article	IF	CITATIONS
1327	The Korean Integrated Model (KIM) System for Global Weather Forecasting. Asia-Pacific Journal of Atmospheric Sciences, 2018, 54, 267-292.	2.3	61
1328	Assessment of prediction skill in equatorial Pacific Ocean in high resolution model of CFS. Climate Dynamics, 2018, 51, 3389-3403.	3.8	2
1329	Coupled Landâ€Atmosphere Regional Model Reduces Dry Bias in Indian Summer Monsoon Rainfall Simulated by CFSv2. Geophysical Research Letters, 2018, 45, 2476-2486.	4.0	25
1330	Exploiting Soil Moisture, Precipitation, and Streamflow Observations to Evaluate Soil Moisture/Runoff Coupling in Land Surface Models. Geophysical Research Letters, 2018, 45, 4869-4878.	4.0	56
1331	Sensitivity and Uncertainty of a Longâ€Term, Highâ€Resolution, Global, Terrestrial Sensible Heat Flux Data Set. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4988-5000.	3.3	3
1332	Investigation into the Formation, Structure, and Evolution of an EF4 Tornado in East China Using a High-Resolution Numerical Simulation. Journal of Meteorological Research, 2018, 32, 157-171.	2.4	5
1333	Characteristics of Water Vapor Turbulence Profiles in Convective Boundary Layers During the Dry and Wet Seasons Over Darwin. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4818-4836.	3.3	5
1334	Deep soil water recharge response to precipitation in Mu Us Sandy Land of China. Water Science and Engineering, 2018, 11, 139-146.	3.2	14
1335	Assimilating All-Sky Infrared Radiances from GOES-16 ABI Using an Ensemble Kalman Filter for Convection-Allowing Severe Thunderstorms Prediction. Monthly Weather Review, 2018, 146, 3363-3381.	1.4	55
1336	Continuous Assimilation of Lightning Data Using Timeâ€Lagged Ensembles for a Convectionâ€Allowing Numerical Weather Prediction Model. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9652-9673.	3.3	21
1337	WRF-based assessment of the Great Lakes' impact on cold season synoptic cyclones. Atmospheric Research, 2018, 214, 189-203.	4.1	12
1338	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. Monthly Weather Review, 2018, 146, 1837-1859.	1.4	15
1339	Evaluating and Improving NWP Forecast Models for the Future: How the Needs of Offshore Wind Energy Can Point the Way. Bulletin of the American Meteorological Society, 2018, 99, 1155-1176.	3.3	19
1340	An Improved Prediction of Indian Summer Monsoon Onset From Stateâ€ofâ€theâ€Art Dynamic Model Using Physicsâ€Guided Dataâ€Driven Approach. Geophysical Research Letters, 2018, 45, 8510-8518.	4.0	7
1341	Assessing the performance of WRF model in predicting high-impact weather conditions over Central and Western Africa: an ensemble-based approach. Natural Hazards, 2018, 93, 1565-1587.	3.4	26
1342	A Numerical Water Tracer Model for Understanding Event-Scale Hydrometeorological Phenomena. Journal of Hydrometeorology, 2018, 19, 947-967.	1.9	8
1343	Parameter Sensitivity of the Noah-MP Land Surface Model with Dynamic Vegetation. Journal of Hydrometeorology, 2018, 19, 815-830.	1.9	33
1344	Spatio-temporal variations in SO2 and NO2 emissions caused by heating over the Beijing-Tianjin-Hebei Region constrained by an adaptive nudging method with OMI data. Science of the Total Environment, 2018, 642, 543-552.	8.0	41

#	Article	IF	CITATIONS
1345	Influence of a Great Plains Urban Environment on a Simulated Supercell. Monthly Weather Review, 2018, 146, 1437-1462.	1.4	13
1346	Assessment of a High-Resolution Climate Model for Surface Water and Energy Flux Simulations over Global Land: An Intercomparison with Reanalyses. Journal of Hydrometeorology, 2018, 19, 1115-1129.	1.9	3
1347	Agricultural Fire Impacts on Ozone Photochemistry Over the Yangtze River Delta Region, East China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6605-6623.	3.3	19
1348	Impact of soil freeze-thaw mechanism on the runoff dynamics of two Tibetan rivers. Journal of Hydrology, 2018, 563, 382-394.	5.4	44
1349	Identifying Key Water Resource Vulnerabilities in Data carce Transboundary River Basins. Water Resources Research, 2018, 54, 5264-5281.	4.2	13
1350	A Method for Objectively Integrating Soil Moisture Satellite Observations and Model Simulations Toward a Blended Drought Index. Water Resources Research, 2018, 54, 6772-6791.	4.2	21
1351	An Examination of an Inland-Penetrating Atmospheric River Flood Event under Potential Future Thermodynamic Conditions. Journal of Climate, 2018, 31, 6281-6297.	3.2	23
1352	Assessment of the Sensitivity to the Thermal Roughness Length in Noah and Noah-MP Land Surface Model Using WRF in an Arid Region. Pure and Applied Geophysics, 2019, 176, 2121-2137.	1.9	32
1353	WRF downscaling improves ERA-Interim representation of precipitation around a tropical Andean valley during El Niñ0: implications for GCM-scale simulation of precipitation over complex terrain. Climate Dynamics, 2019, 52, 3609-3629.	3.8	31
1354	Loss of predictive skill of indian summer monsoon rainfall in NCEP CFSv2 due to misrepresentation of Atlantic zonal mode. Climate Dynamics, 2019, 52, 4599-4619.	3.8	16
1355	Performance Evaluation of High-Resolution Land Data Assimilation System (HRLDAS) Over Indian Region. Pure and Applied Geophysics, 2019, 176, 389-407.	1.9	6
1356	Simulation of synoptic features during summer monsoon onset over GWB, India, with CFSv2 coupled model: skill and bias assessment. Theoretical and Applied Climatology, 2019, 136, 1311-1323.	2.8	1
1357	Evaluation of multi-decadal UCLA-CFSv2 simulation and impact of interactive atmospheric-ocean feedback on global and regional variability. Climate Dynamics, 2019, 52, 3683-3707.	3.8	12
1358	On unravelling mechanism of interplay between cloud and large scale circulation: a grey area in climate science. Climate Dynamics, 2019, 52, 1547-1568.	3.8	6
1359	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. Monthly Weather Review, 2019, 147, 2739-2764.	1.4	15
1360	Hydrological mass variations in the Nile River Basin from GRACE and hydrological models. Geodesy and Geodynamics, 2019, 10, 430-438.	2.2	13
1361	Improvements in the forecasts of near-surface variables in the Global Forecast System (GFS) via assimilating ASCAT soil moisture retrievals. Journal of Hydrology, 2019, 578, 124018.	5.4	8
1362	Impact of convective parameterization on the seasonal prediction skill of Indian summer monsoon. Climate Dynamics, 2019, 53, 6227-6243.	3.8	17

#	Article	IF	CITATIONS
1363	Dynamic response of land–atmosphere-coupling parameters to precipitation in the sparse-vegetated Asian summer monsoon transition zone. Environmental Earth Sciences, 2019, 78, 1.	2.7	1
1364	Analyzing Machine Learning Predictions of Passive Microwave Brightness Temperature Spectral Difference Over Snow-Covered Terrain in High Mountain Asia. Frontiers in Earth Science, 2019, 7, .	1.8	13
1365	Hydrological Forecasts and Projections for Improved Decision-Making in the Water Sector in Europe. Bulletin of the American Meteorological Society, 2019, 100, 2451-2472.	3.3	52
1366	A Spatial Pattern Analysis of Land Surface Roughness Heterogeneity and its Relationship to the Initiation of Weak Tornadoes. Earth Interactions, 2019, 23, 1-28.	1.5	4
1367	Coupling of a physically based lake model into the climate forecast system to improve winter climate forecasts for the Great Lakes region. Climate Dynamics, 2019, 53, 6503-6517.	3.8	6
1368	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. Water (Switzerland), 2019, 11, 1128.	2.7	4
1369	Parameter Sensitivity Analysis for Computationally Intensive Spatially Distributed Dynamical Environmental Systems Models. Journal of Advances in Modeling Earth Systems, 2019, 11, 2896-2909.	3.8	21
1370	Using Cosmic-Ray Neutron Probes in Validating Satellite Soil Moisture Products and Land Surface Models. Water (Switzerland), 2019, 11, 1362.	2.7	17
1371	A Joint Soilâ€Vegetationâ€Atmospheric Water Tagging Procedure With WRFâ€Hydro: Implementation and Application to the Case of Precipitation Partitioning in the Upper Danube River Basin. Water Resources Research, 2019, 55, 6217-6243.	4.2	30
1372	Diagnosing Moisture Sources for Flash Floods in the United States. Part II: Terrestrial and Oceanic Sources of Moisture. Journal of Hydrometeorology, 2019, 20, 1511-1531.	1.9	13
1373	Historical Drought Assessment Over the Contiguous United States Using the Generalized Complementary Principle of Evapotranspiration. Water Resources Research, 2019, 55, 6244-6267.	4.2	29
1374	Aerosol Indirect Effects on the Predicted Precipitation in a Global Weather Forecasting Model. Atmosphere, 2019, 10, 392.	2.3	8
1375	Simulations of Monsoon Intraseasonal Oscillation Using Climate Forecast System Version 2: Insight for Horizontal Resolution and Moist Processes Parameterization. Atmosphere, 2019, 10, 429.	2.3	4
1376	Estimating High-Resolution Groundwater Storage from GRACE: A Random Forest Approach. Environments - MDPI, 2019, 6, 63.	3.3	32
1377	Recognizing the Famine Early Warning Systems Network: Over 30 Years of Drought Early Warning Science Advances and Partnerships Promoting Global Food Security. Bulletin of the American Meteorological Society, 2019, 100, 1011-1027.	3.3	111
1378	Analysis of an extreme weather event in a hyper-arid region using WRF-Hydro coupling, station, and satellite data. Natural Hazards and Earth System Sciences, 2019, 19, 1129-1149.	3.6	44
1379	Towards a more reliable historical reanalysis: Improvements for version 3 of the Twentieth Century Reanalysis system. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2876-2908.	2.7	441
1380	Assessing urban drivers of canopy layer urban heat island: A numerical modeling approach. Landscape and Urban Planning, 2019, 190, 103586.	7.5	44

		CITATION RE	PORT	
#	Article		IF	CITATIONS
1381	Decadal intensification of local thermal feedback of summer soil moisture over North C Theoretical and Applied Climatology, 2019, 138, 1563-1571.	hina.	2.8	8
1382	Features of the Deep Atmospheric Boundary Layer Over the Taklimakan Desert in the S its Influence on Regional Circulation. Journal of Geophysical Research D: Atmospheres, 12755-12772.	ummertime and 2019, 124,	3.3	10
1383	Land–atmosphere interactions in the tropics – a review. Hydrology and Earth Syste 23, 4171-4197.	m Sciences, 2019,	4.9	43
1384	Multivariate Ensemble Sensitivity Analysis for Super Typhoon Haiyan (2013). Monthly V 2019, 147, 3467-3480.	Veather Review,	1.4	7
1385	Acute Water-Scarcity Monitoring for Africa. Water (Switzerland), 2019, 11, 1968.		2.7	36
1386	NCA-LDAS: Overview and Analysis of Hydrologic Trends for the National Climate Assess of Hydrometeorology, 2019, 20, 1595-1617.	ment. Journal	1.9	17
1387	Origin of Strong Winds in an Explosive Mediterranean Extratropical Cyclone. Monthly V Review, 2019, 147, 3649-3671.	Veather	1.4	10
1388	Evapotranspiration Estimation for Tibetan Plateau Headwaters Using Conjoint Terrestri Atmospheric Water Balances and Multisource Remote Sensing. Water Resources Resea 8608-8630.	al and arch, 2019, 55,	4.2	87
1389	Simultaneous Assimilation of Radar and All-Sky Satellite Infrared Radiance Observations Convection-Allowing Ensemble Analysis and Prediction of Severe Thunderstorms. Mont Review, 2019, 147, 4389-4409.	s for hly Weather	1.4	34
1390	The Influence of Summer Deep Soil Temperature on Early Winter Snow Conditions in E NCEP CFSv2 Simulation. Journal of Geophysical Research D: Atmospheres, 2019, 124, 9	urasia in the 062-9077.	3.3	7
1391	Hydrometeor Lofting and Mesoscale Snowbands. Monthly Weather Review, 2019, 147	, 3879-3899.	1.4	4
1392	A Numerical Study on the Formation and Maintenance of a Longâ€Lived Rainband in Ty (2005). Journal of Geophysical Research D: Atmospheres, 2019, 124, 10401-10426.	phoon Longwang	3.3	6
1393	Numerical Simulations of Seasonal Variations of Rainfall over the Island of Hawaii. Jourr Meteorology and Climatology, 2019, 58, 1219-1232.	al of Applied	1.5	3
1394	Improvements to the Assimilation of Doppler Radial Winds for Convection-Permitting F Heavy Rain Event. Monthly Weather Review, 2019, 147, 3609-3632.	orecasts of a	1.4	8
1395	Processes Associated with Convection Initiation in the North American Mesoscale Fore Version 3 (NAMv3). Weather and Forecasting, 2019, 34, 683-700.	cast System,	1.4	4
1396	Ozone Monitoring Instrument (OMI) Total Column Water Vapor version 4 validation ar Atmospheric Measurement Techniques, 2019, 12, 5183-5199.	d applications.	3.1	18
1397	Vertical Dependence of Horizontal Scaling Behavior of Orographic Wind and Moisture Atmospheric Models. Earth and Space Science, 2019, 6, 1957-1975.	Fields in	2.6	9
1398	Evaluating Climate Change Impacts on Soil Moisture and Groundwater Resources With Lakeâ€Affected Region. Water Resources Research, 2019, 55, 8142-8163.	in a	4.2	37

#	Article	IF	CITATIONS
1399	Simulation of Chemical Transport by Typhoon Mireille (1991). Journal of Geophysical Research D: Atmospheres, 2019, 124, 11614-11639.	3.3	2
1400	Impact of Rescaling Approaches in Simple Fusion of Soil Moisture Products. Water Resources Research, 2019, 55, 7804-7825.	4.2	12
1401	Sensitivity of Numerical Simulations of Near-Surface Atmospheric Conditions to Snow Depth and Surface Albedo during an Ice Fog Event over Heber Valley. Journal of Applied Meteorology and Climatology, 2019, 58, 797-811.	1.5	8
1402	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. Remote Sensing, 2019, 11, 1875.	4.0	19
1403	Accuracy of current Arctic springtime water vapour estimates, assessed by Raman lidar. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 1234-1249.	2.7	8
1404	Extreme Orographic Rainfall in the Eastern Andes Tied to Cold Air Intrusions. Frontiers in Environmental Science, 2019, 7, .	3.3	20
1405	Evaluation and Intercomparison of Multiple Snow Water Equivalent Products over the Tibetan Plateau. Journal of Hydrometeorology, 2019, 20, 2043-2055.	1.9	25
1406	TKE-Based Moist Eddy-Diffusivity Mass-Flux (EDMF) Parameterization for Vertical Turbulent Mixing. Weather and Forecasting, 2019, 34, 869-886.	1.4	42
1407	Evaluation of 2-m temperature and precipitation products of the Climate Forecast System version 2 over Iran. Dynamics of Atmospheres and Oceans, 2019, 88, 101105.	1.8	6
1408	Evaluation of the effect of regional joint-control measures on changing photochemical transformation: a comprehensive study of the optimization scenario analysis. Atmospheric Chemistry and Physics, 2019, 19, 9037-9060.	4.9	18
1409	Evaluation of twelve evapotranspiration products from machine learning, remote sensing and land surface models over conterminous United States. Journal of Hydrology, 2019, 578, 124105.	5.4	92
1410	Predictive Skill and Predictable Patterns of the U.S. Seasonal Precipitation in CFSv2 Reforecasts of 60 Years (1958–2017). Journal of Climate, 2019, 32, 8603-8637.	3.2	18
1411	Monsoon Mission: A Targeted Activity to Improve Monsoon Prediction across Scales. Bulletin of the American Meteorological Society, 2019, 100, 2509-2532.	3.3	64
1412	Variational Assimilation of Radar Data and GLM Lightning-Derived Water Vapor for the Short-Term Forecasts of High-Impact Convective Events. Monthly Weather Review, 2019, 147, 4045-4069.	1.4	40
1413	Evaluation of the subseasonal forecast skill of surface soil moisture in the S2S database. Atmospheric and Oceanic Science Letters, 2019, 12, 467-474.	1.3	8
1414	An Open-Source Tool to Facilitate the Processing of GRACE Observations and GLDAS Outputs: An Evaluation in Bangladesh. Frontiers in Environmental Science, 2019, 7, .	3.3	24
1415	Multi-scale temporal variability in meltwater contributions in a tropical glacierized watershed. Hydrology and Earth System Sciences, 2019, 23, 405-425.	4.9	27
1416	The Use of HPC on Volcanic Tephra Dispersion Operational Forecast System. Communications in Computer and Information Science, 2019, , 110-117.	0.5	1

#	Article	IF	CITATIONS
1419	Earth's Climate System. , 2019, , 1-18.		0
1420	Climate Analysis. , 2019, , 19-39.		0
1421	Climate Analysis. , 2019, , 40-63.		0
1422	Climate Variability. , 2019, , 64-103.		0
1426	Ocean Climate Datasets. , 2019, , 168-188.		0
1427	Cryosphere. , 2019, , 189-208.		0
1428	Land Component of the Climate System. , 2019, , 209-233.		0
1429	Climate Models as Information Sources and Analysis Tools. , 2019, , 234-249.		0
1430	Operational Climate Monitoring and Prediction. , 2019, , 250-282.		0
1437	Trends and Interannual Variability in Terrestrial Water Storage Over the Eastern United States, 2003–2016. Water Resources Research, 2019, 55, 1928-1950.	4.2	18
1438	The IITM Earth System Model (ESM): Development and Future Roadmap. Springer Atmospheric Sciences, 2019, , 183-195.	0.3	13
1439	Determinants of the ratio of actual to potential evapotranspiration. Global Change Biology, 2019, 25, 1326-1343.	9.5	39
1440	Comparing the Performance of the Maximum Entropy Production Model With a Land Surface Scheme in Simulating Surface Energy Fluxes. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3279-3300.	3.3	10
1441	Pacific Ocean Forcing and Atmospheric Variability Are the Dominant Causes of Spatially Widespread Droughts in the Contiguous United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2507-2524.	3.3	10
1442	On the Use of NLDAS2 Weather Data for Hydrologic Modeling in the Upper Mississippi River Basin. Water (Switzerland), 2019, 11, 960.	2.7	11
1443	Impacts of Green Vegetation Fraction Derivation Methods on Regional Climate Simulations. Atmosphere, 2019, 10, 281.	2.3	4
1444	Regional and Global Land Data Assimilation Systems: Innovations, Challenges, and Prospects. Journal of Meteorological Research, 2019, 33, 159-189.	2.4	63
1445	Application of Bayesian framework for evaluation of streamflow simulations using multiple climate models. Journal of Hydrology, 2019, 574, 1110-1128.	5.4	16

#	Article	IF	CITATIONS
1446	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. PLoS ONE, 2019, 14, e0217854.	2.5	39
1447	Extending the SMAP 9-km soil moisture product using a spatio-temporal fusion model. Remote Sensing of Environment, 2019, 231, 111224.	11.0	13
1448	Object-based precipitation system bias in grey zone simulation: the 2016 South China Sea summer monsoon onset. Climate Dynamics, 2019, 53, 617-630.	3.8	9
1449	Constraining the Largeâ€Scale Analysis of a Regional Rapidâ€Updateâ€Cycle System for Shortâ€Term Convective Precipitation Forecasting. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6949-6965.	3.3	9
1450	Assessment and Reduction of the Physical Parameterization Uncertainty for Noahâ€MP Land Surface Model. Water Resources Research, 2019, 55, 5518-5538.	4.2	31
1451	Quantifying Regional Fresh Submarine Groundwater Discharge With the Lumped Modeling Approach CoCaâ€RFSGD. Water Resources Research, 2019, 55, 5321-5341.	4.2	8
1452	Toward Convective-Scale Prediction within the Next Generation Global Prediction System. Bulletin of the American Meteorological Society, 2019, 100, 1225-1243.	3.3	93
1453	Analysis of Possible Triggering Mechanisms of Severe Thunderstorms in the Tropical Central Andes of Peru, Mantaro Valley. Atmosphere, 2019, 10, 301.	2.3	17
1454	Precipitation Extremes and Flood Frequency in a Changing Climate in Southeastern Virginia. Journal of the American Water Resources Association, 2019, 55, 780-799.	2.4	18
1455	Performance analysis of weather research and forecasting model for simulating near-surface optical turbulence over land. Optik, 2019, 188, 225-232.	2.9	7
1456	Three-Dimensional Modelling of Precipitation Enhancement by Cloud Seeding in Three Different Climate Zones. Atmosphere, 2019, 10, 294.	2.3	11
1457	Analytical Propagation of Runoff Uncertainty Into Discharge Uncertainty Through a Large River Network. Geophysical Research Letters, 2019, 46, 8102-8113.	4.0	13
1458	Comparison of Several Numerical Methods for Fog Prediction. Atmospheric and Oceanic Optics, 2019, 32, 193-201.	1.3	3
1459	Terrestrial water storage variations and their effect on polar motion. Acta Geophysica, 2019, 67, 17-39.	2.0	16
1460	Sensitivity of Low-Level Jets to Land-Use and Land-Cover Change over the Continental U.S Atmosphere, 2019, 10, 174.	2.3	9
1461	Intraseasonal and low frequency processes contributing to the December 2013 heat wave in Southern South America. Climate Dynamics, 2019, 53, 4977-4988.	3.8	9
1462	Geodetic and hydrological measurements reveal the recent acceleration of groundwater depletion in North China Plain. Journal of Hydrology, 2019, 575, 1065-1072.	5.4	79
1463	ENSO-induced groundwater changes in India derived from GRACE and GLDAS. Journal of Earth System Science, 2019, 128, 1.	1.3	27

#	Article	IF	CITATIONS
1464	Regional Snow Parameters Estimation for Largeâ€Domain Hydrological Applications in the Western United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5296-5313.	3.3	38
1465	The Impact of Modified Fractional Cloud Condensate to Precipitation Conversion Parameter in Revised Simplified Arakawaâ€Schubert Convection Parameterization Scheme on the Simulation of Indian Summer Monsoon and Its Forecast Application on an Extreme Rainfall Event Over Mumbai. Journal of Geophysical Research D: Atmospheres. 2019. 124. 5379-5399.	3.3	9
1466	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. Atmosphere, 2019, 10, 189.	2.3	10
1467	Impact of Boreal Summer Intra-Seasonal Oscillations on the Heavy Rainfall Events in Taiwan during the 2017 Meiyu Season. Atmosphere, 2019, 10, 205.	2.3	5
1468	Cognitive Biases about Climate Variability in Smallholder Farming Systems in Zambia. Weather, Climate, and Society, 2019, 11, 369-383.	1.1	29
1469	The properties and genesis environments of South Atlantic cyclones. Climate Dynamics, 2019, 53, 4115-4140.	3.8	40
1470	Mathematical and numerical modelling of limestone dissolution. Environmental Geotechnics, 2019, , 1-12.	2.3	6
1471	Explicit Prediction of Continental Convection in a Skillful Variableâ€Resolution Global Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 1847-1869.	3.8	7
1472	Uncertainties in Evapotranspiration Estimates over West Africa. Remote Sensing, 2019, 11, 892.	4.0	28
1473	An automated multi-model evapotranspiration mapping framework using remotely sensed and reanalysis data. Remote Sensing of Environment, 2019, 229, 69-92.	11.0	61
1474	Potential Reemergence of Seasonal Soil Moisture Anomalies in North America. Journal of Climate, 2019, 32, 2707-2734.	3.2	19
1475	Spatial Characteristics of Deep-Developed Boundary Layers and Numerical Simulation Applicability over Arid and Semi-Arid Regions in Northwest China. Atmosphere, 2019, 10, 195.	2.3	2
1476	Impact of Large-Scale Afforestation on Surface Temperature: A Case Study in the Kubuqi Desert, Inner Mongolia Based on the WRF Model. Forests, 2019, 10, 368.	2.1	9
1477	Sensitivity analysis of raindrop size distribution parameterizations in WRF rainfall simulation. Atmospheric Research, 2019, 228, 1-13.	4.1	23
1478	Optimization of vertical grid setting for air quality modelling in China considering the effect of aerosol-boundary layer interaction. Atmospheric Environment, 2019, 210, 1-13.	4.1	25
1479	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. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 701-717.	2.3	11
1480	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. Journal of Hydrology: Regional Studies, 2019, 22, 100596.	2.4	5
1481	Effects of a multilayer snow scheme on the global teleconnections of the Indian summer monsoon. Ouarterly Journal of the Royal Meteorological Society, 2019, 145, 1102-1117.	2.7	3

#	Article	IF	CITATIONS
1482	Assessing land surface drying and wetting trends with a normalized soil water index on the Loess Plateau in 2001–2016. Science of the Total Environment, 2019, 676, 120-130.	8.0	14
1483	Evaluation of summer monsoon climate predictions over the Indochina Peninsula using regional spectral model. Weather and Climate Extremes, 2019, 23, 100195.	4.1	8
1484	Effect of Meteorological Variability on Fine Particulate Matter Simulations Over the Contiguous United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5669-5694.	3.3	5
1485	Evaluation of Land Surface Subprocesses and Their Impacts on Model Performance With Global Flux Data. Journal of Advances in Modeling Earth Systems, 2019, 11, 1329-1348.	3.8	10
1486	Seasonal and diurnal variability of planetary boundary layer height in Beijing: Intercomparison between MPL and WRF results. Atmospheric Research, 2019, 227, 1-13.	4.1	37
1487	Characterization of Air and Ground Temperature Relationships within the CMIP5 Historical and Future Climate Simulations. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3903-3929.	3.3	25
1488	What caused the extreme CO concentrations during theÂ2017 high-pollution episode in India?. Atmospheric Chemistry and Physics, 2019, 19, 3433-3445.	4.9	25
1489	Correlation Analysis Between Groundwater Decline Trend and Human-Induced Factors in Bashang Region. Water (Switzerland), 2019, 11, 473.	2.7	12
1490	Updates to the Noah Land Surface Model in WRF MAQ to Improve Simulated Meteorology, Air Quality, and Deposition. Journal of Advances in Modeling Earth Systems, 2019, 11, 231-256.	3.8	39
1491	Assessing the Evolution of Soil Moisture and Vegetation Conditions during a Flash Drought–Flash Recovery Sequence over the South-Central United States. Journal of Hydrometeorology, 2019, 20, 549-562.	1.9	50
1492	Impact of vortex size and Initialization on prediction of landfalling tropical cyclones over Bay of Bengal. Atmospheric Research, 2019, 224, 18-29.	4.1	14
1493	How Well Does an FV3â€Based Model Predict Precipitation at a Convectionâ€Allowing Resolution? Results From CAPS Forecasts for the 2018 NOAA Hazardous Weather Test Bed With Different Physics Combinations. Geophysical Research Letters, 2019, 46, 3523-3531.	4.0	10
1494	Climatological influence of Eurasian winter surface conditions on the Asian and Indoâ€Pacific summer circulation in the NCEP CFSv2 seasonal reforecasts. International Journal of Climatology, 2019, 39, 3431-3453.	3.5	5
1495	How Much Water Is Evaporated Across California? A Multiyear Assessment Using a Biophysical Model Forced With Satellite Remote Sensing Data. Water Resources Research, 2019, 55, 2722-2741.	4.2	30
1496	Investigating the Long-Term Spatial and Temporal Characteristics of Vegetative Drought in the Contiguous United States. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 836-848.	4.9	17
1497	Land Surface Parameter and State Perturbations in the Global Ensemble Forecast System. Monthly Weather Review, 2019, 147, 1319-1340.	1.4	4
1498	Multicase Assessment of the Impacts of Horizontal and Vertical Grid Spacing, and Turbulence Closure Model, on Subkilometer-Scale Simulations of Atmospheric Bores during PECAN. Monthly Weather Review, 2019, 147, 1533-1555.	1.4	12
1499	Formation and Evolution Mechanisms for Two Extreme Haze Episodes in the Yangtze River Delta Region of China During Winter 2016. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3607-3623.	3.3	43

#	Article	IF	Citations
1500	Understanding the Impacts of Soil Moisture Initial Conditions on NWP in the Context of Land–Atmosphere Coupling. Journal of Hydrometeorology, 2019, 20, 793-819.	1.9	44
1501	On Producing Reliable and Affordable Numerical Weather Forecasts on Public Cloud-Computing Infrastructure. Journal of Atmospheric and Oceanic Technology, 2019, 36, 491-509.	1.3	5
1502	Multiscale Processes Enabling the Longevity and Daytime Persistence of a Nocturnal Mesoscale Convective System. Monthly Weather Review, 2019, 147, 733-761.	1.4	7
1503	Diurnal cycle of coastal anthropogenic pollutant transport over southern West Africa during the DACCIWA campaign. Atmospheric Chemistry and Physics, 2019, 19, 473-497.	4.9	24
1504	Dependence on initial conditions versus model formulations for mediumâ€range forecast error variations. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2085-2100.	2.7	9
1505	Spatiotemporal Variations of Ambient Concentrations of Trace Elements in a Highly Polluted Region of China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4186-4202.	3.3	19
1506	TheÂEl Niño event of 2015–2016: climate anomalies and their impact on groundwater resources in East and Southern Africa. Hydrology and Earth System Sciences, 2019, 23, 1751-1762.	4.9	52
1507	Do Uncertainties in the Reconstruction of Land Cover Affect the Simulation of Air Temperature and Rainfall in the CORDEX Region of East Asia?. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3647-3670.	3.3	14
1508	Land Surface Hydrological Models. , 2019, , 437-477.		0
1509	Assessment of Spatiotemporal Variability of Evapotranspiration and Its Governing Factors in a Mountainous Watershed. Water (Switzerland), 2019, 11, 243.	2.7	20
1510	The Weather Research and Forecasting Model with Aerosol–Cloud Interactions (WRF-ACI): Development, Evaluation, and Initial Application. Monthly Weather Review, 2019, 147, 1491-1511.	1.4	20
1511	Implementation of snow albedo schemes of varying complexity and their performances in offline Noah and Noah coupled with NCEP CFSv2. Climate Dynamics, 2019, 53, 1261-1276.	3.8	4
1512	On the Information Content of Cosmicâ€Ray Neutron Data in the Inverse Estimation of Soil Hydraulic Properties. Vadose Zone Journal, 2019, 18, 1-24.	2.2	29
1513	The role of air-sea coupling in the downscaled hydroclimate projection over Peninsular Florida and the West Florida Shelf. Climate Dynamics, 2019, 53, 2931-2947.	3.8	5
1514	Sea-Salt Aerosol Effects on the Simulated Microphysics and Precipitation in a Tropical Cyclone. Journal of Meteorological Research, 2019, 33, 115-125.	2.4	9
1515	Combining Physically Based Modeling and Deep Learning for Fusing GRACE Satellite Data: Can We Learn From Mismatch?. Water Resources Research, 2019, 55, 1179-1195.	4.2	131
1516	Evaluation of Indian Summer Monsoon Rainfall Using the NCEP Global Model: An SST Impact Study. Pure and Applied Geophysics, 2019, 176, 3697-3715.	1.9	2
1517	A coupled ocean-atmosphere downscaled climate projection for the peninsular Florida region. Journal of Marine Systems, 2019, 194, 25-40.	2.1	14

		CITATION R	EPORT	
# 1518	ARTICLE Integration of GRACE Data for Improvement of Hydrological Models. Springer Water, 20	19, , 1-22.	IF 0.3	Citations
1519	Modeling of GRACE-Derived Groundwater Information in the Colorado River Basin. Hydro 19.	logy, 2019, 6,	3.0	43
1520	Numerical Weather Prediction Basics: Models, Numerical Methods, and Data Assimilation	ı. , 2019, , 67-97.		14
1522	Terrestrial Biosphere Models. , 2019, , 1-24.			4
1523	Quantitative Description of Ecosystems. , 2019, , 25-39.			0
1524	Fundamentals of Energy and Mass Transfer. , 2019, , 40-52.			0
1525	Mathematical Formulation of Biological Flux Rates. , 2019, , 53-63.			0
1526	Soil Temperature. , 2019, , 64-79.			1
1527	Turbulent Fluxes and Scalar Profiles in the Surface Layer. , 2019, , 80-100.			2
1528	Surface Energy Fluxes. , 2019, , 101-114.			1
1529	Soil Moisture. , 2019, , 115-133.			0
1530	Hydrologic Scaling and Spatial Heterogeneity. , 2019, , 134-151.			0
1531	Leaf Temperature and Energy Fluxes. , 2019, , 152-166.			0
1532	Leaf Photosynthesis. , 2019, , 167-188.			2
1533	Stomatal Conductance. , 2019, , 189-212.			1
1534	Plant Hydraulics. , 2019, , 213-227.			2
1535	Radiative Transfer. , 2019, , 228-259.			1
1536	Plant Canopies. , 2019, , 260-279.			0

#	Article	IF	CITATIONS
1537	Scalar Canopy Profiles. , 2019, , 280-300.		0
1538	Biogeochemical Models. , 2019, , 301-321.		0
1539	Soil Biogeochemistry. , 2019, , 322-343.		0
1540	Vegetation Demography. , 2019, , 344-364.		1
1541	Canopy Chemistry. , 2019, , 365-380.		0
1545	A Global/Regional Integrated Model Systemâ€Chemistry Climate Model: 1. Simulation Characteristics. Earth and Space Science, 2019, 6, 2016-2030.	2.6	7
1546	Evaluation of Seasonal Water Budget Components Over the Major Drainage Basins of North America Using an Ensemble-Based Land Surface Model Approach. , 2019, , .		0
1547	Experiments on lightning data assimilation: preliminary results. IOP Conference Series: Materials Science and Engineering, 2019, 698, 044038.	0.6	1
1548	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. Atmosphere, 2019, 10, 719.	2.3	6
1549	Analysis of Groundwater and Total Water Storage Changes in Poland Using GRACE Observations, In-situ Data, and Various Assimilation and Climate Models. Remote Sensing, 2019, 11, 2949.	4.0	19
1550	Mapping of Snow Depth by Blending Satellite and In-Situ Data Using Two-Dimensional Optimal Interpolation—Application to AMSR2. Remote Sensing, 2019, 11, 3049.	4.0	6
1551	Snow-Covered Area Retrieval from Himawari–8 AHI Imagery of the Tibetan Plateau. Remote Sensing, 2019, 11, 2391.	4.0	9
1552	Organization of dust storms and synoptic-scale transport of dust by Kelvin waves. Earth System Dynamics, 2019, 10, 651-666.	7.1	2
1553	Impact of Sea Breeze Circulation on the Transport of Ship Emissions in Tangshan Port, China. Atmosphere, 2019, 10, 723.	2.3	18
1554	Effects of sea salt aerosols on precipitation and upper troposphere/lower stratosphere water vapour in tropical cyclone systems. Scientific Reports, 2019, 9, 15105.	3.3	4
1555	Watershed Reactive Transport. Reviews in Mineralogy and Geochemistry, 2019, 85, 381-418.	4.8	31
1556	Understanding Terrestrial Water Storage Declining Trends in the Yellow River Basin. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12963-12984.	3.3	31
1557	Influence of Land Cover and Soil Moisture based Brown Ocean Effect on an Extreme Rainfall Event from a Louisiana Gulf Coast Tropical System. Scientific Reports, 2019, 9, 17136.	3.3	20

#	Article	IF	CITATIONS
1558	Impact of Increased Vertical Resolution on Medium-Range Forecasts in a Global Atmospheric Model. Monthly Weather Review, 2019, 147, 4091-4106.	1.4	7
1559	The Role of Gravity Wave Breaking in a Case of Upper-Level Near-Cloud Turbulence. Monthly Weather Review, 2019, 147, 4567-4588.	1.4	5
1560	Assessment of simulated soil moisture from WRF Noah, Noah-MP, and CLM land surface schemes for landslide hazard application. Hydrology and Earth System Sciences, 2019, 23, 4199-4218.	4.9	36
1561	Lower-Tropospheric Influences on the Timing and Intensity of Afternoon Severe Convection over Modest Terrain in a Convection-Allowing Ensemble. Weather and Forecasting, 2019, 34, 1633-1656.	1.4	2
1562	Assimilating GRACE Into a Land Surface Model in the Presence of an Irrigationâ€Induced Groundwater Trend. Water Resources Research, 2019, 55, 11274-11294.	4.2	42
1563	Diurnal Effects of Regional Soil Moisture Anomalies on the Great Plains Low-Level Jet. Monthly Weather Review, 2019, 147, 4611-4631.	1.4	5
1564	Forecasts of MJO Events during DYNAMO with a Coupled Atmosphere-Ocean Model: Sensitivity to Cumulus Parameterization Scheme. Journal of Meteorological Research, 2019, 33, 1016-1030.	2.4	3
1565	A comprehensive analysis of interseasonal and interannual energy and water balance dynamics in semiarid shrubland and forest ecosystems. Science of the Total Environment, 2019, 651, 381-398.	8.0	11
1566	Assessing Seasonal Predictability Sources and Windows of High Predictability in the Climate Forecast System, Version 2. Journal of Climate, 2019, 32, 1307-1326.	3.2	6
1567	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. Advances in Atmospheric Sciences, 2019, 36, 119-132.	4.3	14
1568	Role of Lateral Terrestrial Water Flow on the Regional Water Cycle in a Complex Terrain Region: Investigation With a Fully Coupled Model System. Journal of Geophysical Research D: Atmospheres, 2019, 124, 507-529.	3.3	49
1569	Projected Changes in Multi-day Extreme Precipitation Over the Western Balkan Region. Climate Change Management, 2019, , 15-28.	0.8	4
1570	L-band remote-sensing increases sampled levels of global soil moisture-air temperature coupling strength. Remote Sensing of Environment, 2019, 220, 51-58.	11.0	14
1571	Simulating Climate Change Impacts on Surface Water Resources Within a Lakeâ€Affected Region Using Regional Climate Projections. Water Resources Research, 2019, 55, 130-155.	4.2	46
1572	Biases in Model-Simulated Surface Energy Fluxes During the Indian Monsoon Onset Period. Boundary-Layer Meteorology, 2019, 170, 323-348.	2.3	12
1573	Variations in soil temperature from 1980 to 2015 in permafrost regions on the Qinghai-Tibetan Plateau based on observed and reanalysis products. Geoderma, 2019, 337, 893-905.	5.1	92
1574	Study on the relationship between urban land sprawl extension and urban thermal environment—taking Wuhan city as an example. Theoretical and Applied Climatology, 2019, 137, 1135-1148.	2.8	7
1575	Costs and consequences of wind turbine wake effects arising from uncoordinated wind energy development. Nature Energy, 2019, 4, 26-34.	39.5	147

#	Article	IF	CITATIONS
1576	GRAMAT: a comprehensive Matlab toolbox for estimating global mass variations from GRACE satellite data. Earth Science Informatics, 2019, 12, 389-404.	3.2	36
1577	Stochastically Perturbed Parameterizations in an HRRR-Based Ensemble. Monthly Weather Review, 2019, 147, 153-173.	1.4	42
1578	Evaluation of physical parameterizations for atmospheric river induced precipitation and application to long-term reconstruction based on three reanalysis datasets in Western Oregon. Science of the Total Environment, 2019, 658, 570-581.	8.0	10
1579	Impact of the Sea Surface Salinity on Simulated Precipitation in a Global Numerical Weather Prediction Model. Journal of Geophysical Research D: Atmospheres, 2019, 124, 719-730.	3.3	6
1580	An Intercomparison of Noah Model Skills With Benefits of Assimilating SMOPS Blended and Individual Soil Moisture Retrievals. Water Resources Research, 2019, 55, 2572-2592.	4.2	26
1581	A Monte Carlo-based multi-objective optimization approach to merge different precipitation estimates for land surface modeling. Journal of Hydrology, 2019, 570, 454-462.	5.4	27
1582	Contribution of Recycling of Surface Precipitation to Landfalling Tropical Cyclone Rainfall: A Modeling Study for Typhoon Utor (2013). Journal of Geophysical Research D: Atmospheres, 2019, 124, 870-885.	3.3	11
1583	The Value of SMAP for Long-Term Soil Moisture Estimation With the Help of Deep Learning. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2221-2233.	6.3	79
1585	Genesis and track prediction of pre-monsoon cyclonic storms over North Indian Ocean in a multi-model ensemble framework. Natural Hazards, 2019, 95, 823-843.	3.4	7
1586	Biases in the Tropical Indian Ocean subsurface temperature variability in a coupled model. Climate Dynamics, 2019, 52, 5325-5344.	3.8	2
1587	Land Surface Processes Relevant to Sub-seasonal to Seasonal (S2S) Prediction. , 2019, , 165-181.		12
1588	Impacts of a newly-developed aerosol climatology on numerical weather prediction using a global atmospheric forecasting model. Atmospheric Environment, 2019, 197, 77-91.	4.1	10
1589	Seasonal climate and the onset of the rainy season in western entral Brazil simulated by Global Eta Framework model. International Journal of Climatology, 2019, 39, 1429-1445.	3.5	1
1590	Thermal tolerance limits as indicators of current and future intertidal zonation patterns in a diverse mussel guild. Marine Biology, 2019, 166, 1.	1.5	25
1591	Subdaily to Seasonal Change of Surface Energy and Water Flux of the Haihe River Basin in China: Noah and Noah-MP Assessment. Advances in Atmospheric Sciences, 2019, 36, 79-92.	4.3	3
1592	Remote detection of human-induced evapotranspiration in a regional system experiencing increased anthropogenic demands and extreme climatic variability. International Journal of Remote Sensing, 2019, 40, 1887-1908.	2.9	12
1593	Impact of high resolution sea surface temperature on tropical cyclone characteristics over the Bay of Bengal using model simulations. Meteorological Applications, 2019, 26, 130-139.	2.1	17
1594	NCA-LDAS Land Analysis: Development and Performance of a Multisensor, Multivariate Land Data Assimilation System for the National Climate Assessment. Journal of Hydrometeorology, 2019, 20, 1571-1593.	1.9	67

#	Article	IF	CITATIONS
1595	Understanding the role of moisture transport on the dry bias in indian monsoon simulations by CFSv2. Climate Dynamics, 2019, 52, 637-651.	3.8	12
1596	Evaluating the applicability of using daily forecasts from seasonal prediction systems (SPSs) for agriculture: a case study of Nepal's Terai with the NCEP CFSv2. Theoretical and Applied Climatology, 2019, 135, 1143-1156.	2.8	6
1597	Surrogate modeling and risk-based analysis for solute transport simulations. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1907-1921.	4.0	0
1598	Spatiotemporal soil moisture variations associated with hydroâ€meteorological factors over the Yarlung Zangbo River basin in Southeast Tibetan Plateau. International Journal of Climatology, 2020, 40, 188-206.	3.5	11
1599	Effects of land surface inhomogeneity on convection-permitting WRF simulations over central Europe. Meteorology and Atmospheric Physics, 2020, 132, 53-69.	2.0	12
1600	Rainfall forecasting skill of GFS model at T1534 and T574 resolution over India during the monsoon season. Meteorology and Atmospheric Physics, 2020, 132, 35-52.	2.0	12
1601	Evaluation and projected changes of precipitation statistics in convection-permitting WRF climate simulations over Central Europe. Climate Dynamics, 2020, 55, 325-341.	3.8	59
1602	Hindcast of extreme rainfall with high-resolution WRF: model ability and effect of physical schemes. Theoretical and Applied Climatology, 2020, 139, 639-658.	2.8	6
1603	Statistical characterization of frost zones: Case of tea freeze damage in the Kenyan highlands. International Journal of Applied Earth Observation and Geoinformation, 2020, 84, 101971.	2.8	11
1604	Application of CRACE to the estimation of groundwater storage change in a dataâ€poor region: A case study of Ngadda catchment in the Lake Chad Basin. Hydrological Processes, 2020, 34, 941-955.	2.6	19
1605	Role of cloud microphysics in improved simulation of the Asian monsoon quasi-biweekly mode (QBM). Climate Dynamics, 2020, 54, 599-614.	3.8	9
1606	WRF model assessment for wind intensity and power density simulation in the southern coast of Brazil. Energy, 2020, 190, 116341.	8.8	7
1607	Monitoring and Predicting Agricultural Droughts for a Water-Limited Subcontinental Region by Integrating a Land Surface Model and Microwave Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 14-33.	6.3	12
1608	Evaluation of regional climate model simulated rainfall over Indonesia and its application for downscaling future climate projections. International Journal of Climatology, 2020, 40, 2026-2047.	3.5	8
1609	Multi-Scale Hydrologic Sensitivity to Climatic and Anthropogenic Changes in Northern Morocco. Geosciences (Switzerland), 2020, 10, 13.	2.2	18
1610	Differences in Northward Propagation of Convection Over the Arabian Sea and Bay of Bengal During Boreal Summer. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031648.	3.3	15
1611	Subseasonal Forecast Skill of Snow Water Equivalent and Its Link with Temperature in Selected SubX Models. Weather and Forecasting, 2020, 35, 273-284.	1.4	7
1612	Crucial role of natural processes in detecting human influence on evapotranspiration by multisource data analysis. Journal of Hydrology, 2020, 580, 124350.	5.4	10

#	Article	IF	CITATIONS
1613	Meteorological modeling relevant to mesoscale and regional air quality applications: a review. Journal of the Air and Waste Management Association, 2020, 70, 2-43.	1.9	20
1614	Improved method of visibility parameterization focusing on high humidity and aerosol concentrations during fog–haze events: Application in the GRAPES_CAUCE model in Jing-Jin-Ji, China. Atmospheric Environment, 2020, 222, 117139.	4.1	19
1615	Integrating remote sensing data with WRF model for improved 2-m temperature and humidity simulations in China. Dynamics of Atmospheres and Oceans, 2020, 89, 101127.	1.8	24
1616	Passive Microwave Precipitation Retrieval Algorithm With \$A~Priori\$ Databases of Various Cloud Microphysics Schemes: Tropical Cyclone Applications. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2366-2382.	6.3	4
1617	A study of ensemble-sensitivity-based initial condition perturbation methods for convection-permitting ensemble forecasts. Atmospheric Research, 2020, 234, 104741.	4.1	4
1618	Sensitivity study of the planetary boundary layer and microphysical schemes to the initialization of convection over the Arabian Peninsula. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 846-869.	2.7	25
1619	Sensitivity of climate models in relation to the "pool of inhibited cloudiness―over South of the Bay of Bengal. International Journal of Climatology, 2020, 40, 3714-3730.	3.5	3
1620	Regional climate models: 30Âyears of dynamical downscaling. Atmospheric Research, 2020, 235, 104785.	4.1	69
1621	Assessing snow simulation performance of typical combination schemes within Noah-MP in northern Xinjiang, China. Journal of Hydrology, 2020, 581, 124380.	5.4	12
1622	Wave Disturbances and Their Role in the Maintenance, Structure, and Evolution of a Mesoscale Convection System. Journals of the Atmospheric Sciences, 2020, 77, 51-77.	1.7	14
1623	A Meteorological Study of the Port Hills Fire, Christchurch, New Zealand. Journal of Applied Meteorology and Climatology, 2020, 59, 263-280.	1.5	5
1624	Application of NASA-Unified WRF model to carbon dioxide simulation- model development and evaluation. Environmental Modelling and Software, 2020, 132, 104785.	4.5	3
1625	The role of bias correction on subseasonal prediction of Arctic sea ice during summer 2018. Acta Oceanologica Sinica, 2020, 39, 50-59.	1.0	5
1626	Downscaling of climate extremes over South America – Part I: Model evaluation in the reference climate. Weather and Climate Extremes, 2020, 29, 100273.	4.1	34
1627	Uncertainty analysis of radar rainfall estimates induced by atmospheric conditions using long short-term memory networks. Journal of Hydrology, 2020, 590, 125482.	5.4	11
1628	E-DATA: A Comprehensive Field Campaign to Investigate Evaporation Enhanced by Advection in the Hyper-Arid Altiplano. Water (Switzerland), 2020, 12, 745.	2.7	15
1629	The relationship between the daily dominant monsoon modes of South Asia and SST. Theoretical and Applied Climatology, 2020, 142, 59-70.	2.8	4
1630	Deforestation Impacts on Orographic Precipitation in the Tropical Andes. Frontiers in Environmental Science, 2020, 8, .	3.3	4

#	Article	IF	CITATIONS
1631	Declining Soil Moisture Threatens Water Availability in the U.S. Great Plains. Transactions of the ASABE, 2020, 63, 1147-1156.	1.1	1
1632	The Met Office Operational Soil Moisture Analysis System. Remote Sensing, 2020, 12, 3691.	4.0	18
1633	Monitoring of Ground Movement and Groundwater Changes in London Using InSAR and GRACE. Applied Sciences (Switzerland), 2020, 10, 8599.	2.5	13
1634	GFDL SHiELD: A Unified System for Weatherâ€ŧoâ€5easonal Prediction. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002223.	3.8	43
1635	Assessment of WRF Land Surface Model Performance over West Africa. Advances in Meteorology, 2020, 2020, 1-30.	1.6	9
1636	Impact of AERI Temperature and Moisture Retrievals on the Simulation of a Central Plains Severe Convective Weather Event. Atmosphere, 2020, 11, 729.	2.3	4
1637	Numerical wave modeling for operational and survival analyses of wave energy converters at the US Navy Wave Energy Test Site in Hawaii. Renewable Energy, 2020, 161, 240-256.	8.9	12
1638	WRF wind field assessment under multiple forcings using spatialized aircraft data. Meteorological Applications, 2020, 27, e1920.	2.1	0
1639	WRFâ€TEB: Implementation and Evaluation of the Coupled Weather Research and Forecasting (WRF) and Town Energy Balance (TEB) Model. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001961.	3.8	17
1640	Drivers of regional soil water storage memory and persistence. Vadose Zone Journal, 2020, 19, e20050.	2.2	5
1641	Weather Effects of Aerosols in the Global Forecast Model. Atmosphere, 2020, 11, 850.	2.3	6
1642	Atmospheric Dynamics of a Saharan Dust Outbreak Over Mindelo, Cape Verde Islands, Preceded by Rossby Wave Breaking: Multiscale Observational Analyses and Simulations. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032975.	3.3	9
1643	A Hydrodynamical Atmosphere/Ocean Coupled Modeling System for Multiple Tropical Cyclones. Atmosphere, 2020, 11, 869.	2.3	7
1644	An Updated Synoptic Climatology of Lake Erie and Lake Ontario Heavy Lake-Effect Snow Events. Atmosphere, 2020, 11, 872.	2.3	8
1645	Mesoscale Model Simulation of a Severe Summer Thunderstorm in The Netherlands: Performance and Uncertainty Assessment for Parameterised and Resolved Convection. Atmosphere, 2020, 11, 811.	2.3	5
1646	Impacts of Tiled Land Cover Characterization on Global Meteorological Predictions Using the MPASâ€A. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032093.	3.3	1
1647	Topographic Controls on the Distribution of Summer Monsoon Precipitation over South Asia. Earth Systems and Environment, 2020, 4, 667-683.	6.2	17
1648	Potential of GPM IMERG Precipitation Estimates to Monitor Natural Disaster Triggers in Urban Areas: The Case of Rio de Janeiro, Brazil. Remote Sensing, 2020, 12, 4095.	4.0	25

#	Article	IF	CITATIONS
1649	The Influence of Subsurface Conditions on the Spatial and Temporal Variability of Tropical SST and Rainfall in CFSv2 Reforecasts. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016296.	2.6	2
1650	Soil moisture evaluation over the Argentine Pampas using models, satellite estimations and in-situ measurements. Journal of Hydrology: Regional Studies, 2020, 31, 100723.	2.4	18
1651	Quantifying the Impact of Excess Moisture From Transpiration From Crops on an Extreme Heat Wave Event in the Midwestern U.S.: A Topâ€Đown Constraint From Moderate Resolution Imaging Spectroradiometer Water Vapor Retrieval. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031941.	3.3	5
1652	The fidelity of a regional coupled model in capturing the relationship between intraseasonal variability and the onset/demise of the Indian summer monsoon. Climate Dynamics, 2020, 54, 4693-4710.	3.8	3
1653	Assessment of drought condition using remotely sensed drought severity index and its correlations with soil moisture product in Inner Mongolia. Theoretical and Applied Climatology, 2020, 141, 715-728.	2.8	6
1654	Prediction Skill of the 2012 U.S. Great Plains Flash Drought in Subseasonal Experiment (SubX) Models. Journal of Climate, 2020, 33, 6229-6253.	3.2	23
1655	Evaluation and validation of a high spatial resolution satellite soil moisture product over the Continental United States. Journal of Hydrology, 2020, 588, 125043.	5.4	32
1656	Quantifying Contributions of Uncertainties in Physical Parameterization Schemes and Model Parameters to Overall Errors in Noahâ€MP Dynamic Vegetation Modeling. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001914.	3.8	11
1657	The pantropical response of soil moisture to El Niño. Hydrology and Earth System Sciences, 2020, 24, 2303-2322.	4.9	11
1658	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. Science of the Total Environment, 2020, 732, 139282.	8.0	405
1659	Remote sensing data assimilation. Hydrological Sciences Journal, 2022, 67, 2457-2489.	2.6	7
1660	Experiments on Lightning Detection Network Data Assimilation. Atmospheric and Oceanic Optics, 2020, 33, 219-228.	1.3	2
1661	Efficient Model-Data Integration for Flexible Modeling, Parameter Analysis and Visualization, and Data Management. Frontiers in Water, 2020, 2, .	2.3	3
1662	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. Water (Switzerland), 2020, 12, 1209.	2.7	12
1663	Regional landscape futures to moderate projected climate change: a case study in the agro-pastoral transitional zone of North China. Regional Environmental Change, 2020, 20, 1.	2.9	3
1664	Inter-comparison of evapotranspiration datasets over heterogeneous landscapes across Australia. Advances in Space Research, 2020, 66, 533-545.	2.6	39
1665	Evaluation of NU-WRF model performance on air quality simulation under various model resolutions – an investigation within the framework of MICS-Asia PhaseÂIII. Atmospheric Chemistry and Physics, 2020, 20, 2319-2339.	4.9	14
1666	The Evaluation of Real-Time Hurricane Analysis and Forecast System (HAFS) Stand-Alone Regional (SAR) Model Performance for the 2019 Atlantic Hurricane Season. Atmosphere, 2020, 11, 617.	2.3	19

#	Article	IF	CITATIONS
1667	Response of the Arthropod Community to Soil Characteristics and Management in the Franciacorta Viticultural Area (Lombardy, Italy). Agronomy, 2020, 10, 740.	3.0	18
1668	Technical Note: Evaluation of the skill in monthly-to-seasonal soil moisture forecasting based on SMAP satellite observations over the southeasternÂUS. Hydrology and Earth System Sciences, 2020, 24, 1073-1079.	4.9	1
1669	A 10-Yr Global Land Surface Reanalysis Interim Dataset (CRA-Interim/Land): Implementation and Preliminary Evaluation. Journal of Meteorological Research, 2020, 34, 101-116.	2.4	24
1670	Irrigation impact on precipitation during a heatwave event using WRF-ARW: The summer 2015 Po Valley case. Atmospheric Research, 2020, 241, 104951.	4.1	8
1671	Evaluation of Global Water Resources Reanalysis Products in the Upper Blue Nile River Basin. Journal of Hydrometeorology, 2020, 21, 935-952.	1.9	12
1672	Simulating coupled surface–subsurface flows with ParFlow v3.5.0: capabilities, applications, and ongoing development of an open-source, massively parallel, integrated hydrologic model. Geoscientific Model Development, 2020, 13, 1373-1397.	3.6	61
1673	Effect of spring soil moisture over the Indo-China Peninsula on the following summer extreme precipitation events over the Yangtze River basin. Climate Dynamics, 2020, 54, 3845-3861.	3.8	25
1674	A comprehensive evaluation of soil moisture and soil temperature from thirdâ€generation atmospheric and land reanalysis data sets. International Journal of Climatology, 2020, 40, 5744-5766.	3.5	104
1675	Building a landslide hazard indicator with machine learning and land surface models. Environmental Modelling and Software, 2020, 129, 104692.	4.5	33
1676	Evaluation of Simulated Drop Size Distributions and Microphysical Processes Using Polarimetric Radar Observations for Landfalling Typhoon Matmo (2014). Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031527.	3.3	18
1677	Sensitivity of Wind Turbine Array Downstream Effects to the Parameterization Used in WRF. Journal of Applied Meteorology and Climatology, 2020, 59, 333-361.	1.5	23
1678	Impact of Surface Albedo Assimilation on Snow Estimation. Remote Sensing, 2020, 12, 645.	4.0	18
1679	Biomass-burning-induced surface darkening and its impact on regional meteorology in eastern China. Atmospheric Chemistry and Physics, 2020, 20, 6177-6191.	4.9	8
1680	Forcing ocean model with atmospheric model outputs to simulate storm surge in the Bangladesh coast. Tropical Cyclone Research and Review, 2020, 9, 117-134.	2.2	7
1681	Improved Simulation of Monsoon Depressions and Heavy Rains From Direct and Indirect Initialization of Soil Moisture Over India. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032400.	3.3	9
1682	Urban heat island circulations over the Beijing-Tianjin region under calm and fair conditions. Building and Environment, 2020, 180, 107063.	6.9	28
1683	Demonstrating a Highâ€Resolution Gulf of Alaska Ocean Circulation Model Forced Across the Coastal Interface by Highâ€Resolution Terrestrial Hydrological Models. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015724.	2.6	10
1684	Assessing water storage changes of Lake Poyang from multi-mission satellite data and hydrological models. Journal of Hydrology, 2020, 590, 125229.	5.4	27

#	Article	IF	CITATIONS
1685	Impact of revegetation of the Loess Plateau of China on the regional growing season water balance. Hydrology and Earth System Sciences, 2020, 24, 515-533.	4.9	88
1686	The NASA Hydrological Forecast System for Food and Water Security Applications. Bulletin of the American Meteorological Society, 2020, 101, E1007-E1025.	3.3	31
1687	Comparison of modeled snow properties in Afghanistan, Pakistan, and Tajikistan. Cryosphere, 2020, 14, 331-347.	3.9	14
1688	South Asian monsoon response to weakening of Atlantic meridional overturning circulation in a warming climate. Climate Dynamics, 2020, 54, 3507-3524.	3.8	14
1689	Evaluation of Different Heat Flux Products Over the Tropical Indian Ocean. Earth and Space Science, 2020, 7, e2019EA000988.	2.6	23
1690	Improvement of operational airborne gamma radiation snow water equivalent estimates using SMAP soil moisture. Remote Sensing of Environment, 2020, 240, 111668.	11.0	6
1691	Underlying Fundamentals of Kalman Filtering for River Network Modeling. Journal of Hydrometeorology, 2020, 21, 453-474.	1.9	10
1692	ComDA: A common software for nonlinear and Non-Gaussian Land Data Assimilation. Environmental Modelling and Software, 2020, 127, 104638.	4.5	12
1693	Can Terrestrial Water Storage Dynamics be Estimated From Climate Anomalies?. Earth and Space Science, 2020, 7, e2019EA000959.	2.6	18
1694	Stepwise Assessment of Different Saltation Theories in Comparison with Field Observation Data. Atmosphere, 2020, 11, 10.	2.3	3
1695	Spatial and temporal variations in soil temperatures over the Qinghai–Tibet Plateau from 1980 to 2017 based on reanalysis products. Theoretical and Applied Climatology, 2020, 140, 1055-1069.	2.8	14
1696	Regional Climate Impacts of Irrigation in Northern Italy Using a High Resolution Model. Atmosphere, 2020, 11, 72.	2.3	5
1697	Characterization of the hydro-geological regime of Yangtze River basin using remotely-sensed and modeled products. Science of the Total Environment, 2020, 718, 137354.	8.0	41
1698	Spatiotemporal vegetation response to extreme droughts in eastern Brazil. Remote Sensing Applications: Society and Environment, 2020, 18, 100294.	1.5	6
1699	Synoptic and meteorological conditions during extreme snow cover ablation events in the Great Lakes Basin. Hydrological Processes, 2020, 34, 1949-1965.	2.6	3
1700	The most predictable patterns and prediction skills of subseasonal prediction of rainfall over the Indo-Pacific regions by the NCEP Climate Forecast System. Climate Dynamics, 2020, 54, 2759-2775.	3.8	6
1701	Impact of land surface physics on the simulation of boundary layer characteristics at a tropical coastal station. Atmospheric Research, 2020, 238, 104888.	4.1	12
1702	Spatio-Temporal Variations in Groundwater Revealed by GRACE and Its Driving Factors in the Huang-Huai-Hai Plain, China. Sensors, 2020, 20, 922.	3.8	29

#	Article	IF	CITATIONS
1703	Evaluation of Evapotranspiration for Exorheic Catchments of China during the GRACE Era: From a Water Balance Perspective. Remote Sensing, 2020, 12, 511.	4.0	54
1704	Impact of horizontal resolution on sea surface temperature bias and air–sea interactions over the tropical Indian Ocean in CFSv2 coupled model. International Journal of Climatology, 2020, 40, 4903-4921.	3.5	5
1705	Simulated and observed air temperature trends in the eastern Adriatic. Atmospheric Science Letters, 2020, 21, e951.	1.9	3
1706	Analysis of an Ensemble of High-Resolution WRF Simulations for the Rapid Intensification of Super Typhoon Rammasun (2014). Advances in Atmospheric Sciences, 2020, 37, 187-210.	4.3	9
1707	The Urban Heat Footprint (UHF)—a new unified climatic and statistical framework for urban warming. Theoretical and Applied Climatology, 2020, 140, 359-374.	2.8	2
1708	Examining the impacts of future land use/land cover changes on climate in Punjab province, Pakistan: implications for environmental sustainability and economic growth. Environmental Science and Pollution Research, 2020, 27, 25415-25433.	5.3	33
1709	Urban irrigation in the modeling of a semi-arid urban environment: Ballona Creek watershed, Los Angeles, California. Hydrological Sciences Journal, 2020, 65, 1344-1357.	2.6	2
1710	Improving US extreme precipitation simulation: sensitivity to physics parameterizations. Climate Dynamics, 2020, 54, 4891-4918.	3.8	19
1711	A Sensitivity Study of High-Resolution Climate Simulations for Greece. Climate, 2020, 8, 44.	2.8	19
1712	Downscaling projections of climate change in Sao Tome and Principe Islands, Africa. Climate Dynamics, 2020, 54, 4021-4042.	3.8	15
1713	Modeling of evapotranspiration changes with forest management practices: A genealogical review. Journal of Hydrology, 2020, 585, 124835.	5.4	23
1714	Understanding the re-infiltration process to simulating streamflow in North Central Texas using the WRF-hydro modeling system. Journal of Hydrology, 2020, 587, 124902.	5.4	18
1715	Spatial and Temporal Variations of Terrestrial Water Storage in Upper Indus Basin Using GRACE and Altimetry Data. IEEE Access, 2020, 8, 65327-65339.	4.2	13
1716	A Hybrid Precipitation Index Inspired by the SPI, PDSI, and MCDI. Part I: Development of the Index. Journal of Hydrometeorology, 2020, 21, 1945-1976.	1.9	4
1717	Integrating groundwater irrigation into hydrological simulation of India: Case of improving model representation of anthropogenic water use impact using GRACE. Journal of Hydrology: Regional Studies, 2020, 29, 100681.	2.4	15
1718	Appraisal of Data Assimilation Techniques for Dynamical Downscaling of the Structure and Intensity of Tropical Cyclones. Earth and Space Science, 2020, 7, e2019EA000945.	2.6	11
1719	Assessing Noahâ€MP Parameterization Sensitivity and Uncertainty Interval Across Snow Climates. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030417.	3.3	20
1720	Strength of Linkages Between Dust and Circulation Over North Africa: Results From a Coupled Modeling System With Active Dust. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030961.	3.3	4

#	Article	IF	CITATIONS
1721	Cumulative Influence of Summer Subsurface Soil Temperature on North America Surface Temperature in the CFSv2. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031899.	3.3	2
1722	Drought characterization using the Combined Terrestrial Evapotranspiration Index over the Indus, Ganga and Brahmaputra river basins. Geocarto International, 2022, 37, 1059-1083.	3.5	13
1723	Large contribution from anthropogenic warming to an emerging North American megadrought. Science, 2020, 368, 314-318.	12.6	527
1724	Applying Satellite Data Assimilation to Wind Simulation of Coastal Wind Farms in Guangdong, China. Remote Sensing, 2020, 12, 973.	4.0	2
1725	The Saharan convective boundary layer structure over large scale surface heterogeneity: A large eddy simulation study. Atmospheric Research, 2021, 248, 105250.	4.1	5
1726	Drivers for the poor air quality conditions in North China Plain during the COVID-19 outbreak. Atmospheric Environment, 2021, 246, 118103.	4.1	54
1727	Vegetation-heatwave correlations and contrasting energy exchange responses of different vegetation types to summer heatwaves in the Northern Hemisphere during the 1982–2011 period. Agricultural and Forest Meteorology, 2021, 296, 108208.	4.8	16
1728	Irrigation Water Demand Sensitivity to Climate Variability Across the Contiguous United States. Water Resources Research, 2021, 57, 2020WR027738.	4.2	23
1729	Rising surface ozone in China from 2013 to 2017: A response to the recent atmospheric warming or pollutant controls?. Atmospheric Environment, 2021, 246, 118130.	4.1	36
1730	Effects of using different urban parametrization schemes and land-cover datasets on the accuracy of WRF model over the City of Ottawa. Urban Climate, 2021, 35, 100737.	5.7	15
1731	Gain of one-month lead time in seasonal prediction of Indian summer monsoon prediction: comparison of initialization strategies. Theoretical and Applied Climatology, 2021, 143, 1083-1096.	2.8	3
1732	GRACE reveals depletion of water storage in northwestern South America between ENSO extremes. Journal of Hydrology, 2021, 596, 125687.	5.4	9
1733	Highâ€resolution dynamically downscaled rainfall and temperature projections for ecological life zones within Puerto Rico and for the U.S. Virgin Islands. International Journal of Climatology, 2021, 41, 1305-1327.	3.5	8
1734	Soil Moisture Responses Associated with Significant Tropical Cyclone Rainfall Events. Journal of Operational Meteorology, 0, , 1-17.	0.9	1
1735	Topographic Effect on Heavy Rainfall Caused by Typhoon Hagibis (2019) in Nagano, Japan. Scientific Online Letters on the Atmosphere, 2021, 17A, 45-50.	1.4	1
1736	Developing a hydrological monitoring and sub-seasonal to seasonal forecasting system for South and Southeast Asian river basins. Hydrology and Earth System Sciences, 2021, 25, 41-61.	4.9	5
1737	How Well Can Land-Surface Models Represent the Diurnal Cycle of Turbulent Heat Fluxes?. Journal of Hydrometeorology, 2021, 22, 77-94.	1.9	6
1738	Multi-Scale and Multi-Depth Validation of Soil Moisture From the China Land Data Assimilation System. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14,	4.9	6

#	Article	IF	CITATIONS
1739	Soil Moisture Responses Associated with Significant Tropical Cyclone Rainfall Events. Journal of Operational Meteorology, 0, , 1-17.	0.9	0
1740	Informing Improvements in Freeze/Thaw State Classification Using Subpixel Temperature. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	4
1741	Seasonal Ground Water Fluctuation Monitoring Using GRACE Satellite Technology Over Punjab and Haryana During 2005–2015. Geography of the Physical Environment, 2021, , 175-186.	0.4	3
1742	WRF/UCM simulation for city-scale UHI modeling. , 2021, , 153-177.		0
1743	Groundwater storage dynamics in the Himalayan river basins and impacts of global change in the Anthropocene. , 2021, , 47-63.		1
1744	Groundwater Research and Societal Development: Integration with Remote Sensing and Geographical Information System. , 2021, , 29-52.		1
1745	Very High Spatial Resolution Downscaled SMAP Radiometer Soil Moisture in the CONUS Using VIIRS/MODIS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4946-4965.	4.9	20
1748	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. Remote Sensing, 2021, 13, 657.	4.0	11
1749	Weakened Aerosolâ€₽BL Interaction During COVIDâ€19 Lockdown in Northern China. Geophysical Research Letters, 2021, 48, e2020GL090542.	4.0	16
1750	Benefits of the Advanced Baseline Imager (ABI) for Ensemble-Based Analysis and Prediction of Severe Thunderstorms. Monthly Weather Review, 2021, 149, 313-332.	1.4	10
1751	Modeling Snow Ablation over the Mountains of the Western United States: Patterns and Controlling Factors. Journal of Hydrometeorology, 2021, 22, 297-311.	1.9	9
1752	A Detection of Convectively Induced Turbulence Using in Situ Aircraft and Radar Spectral Width Data. Remote Sensing, 2021, 13, 726.	4.0	8
1753	Land–Atmosphere Coupling at the U.S. Southern Great Plains: A Comparison on Local Convective Regimes between ARM Observations, Reanalysis, and Climate Model Simulations. Journal of Hydrometeorology, 2021, 22, 463-481.	1.9	3
1754	An Investigation of Large Cross-Track Errors in North Atlantic Tropical Cyclones in the GEFS and ECMWF Ensembles. Monthly Weather Review, 2021, 149, 395-417.	1.4	1
1755	Snow Ensemble Uncertainty Project (SEUP): quantification of snow water equivalent uncertainty across North America via ensemble land surface modeling. Cryosphere, 2021, 15, 771-791.	3.9	30
1756	Evaluation and blending of ATMS and AMSR2 snow water equivalent retrievals over the conterminous United States. Remote Sensing of Environment, 2021, 254, 112280.	11.0	10
1757	Increasing spatial resolution of wind resource prediction using NWP and RANS simulation. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 210, 104499.	3.9	20
1758	Synoptic Climatology of Lake-Effect Snow Events off the Western Great Lakes. Climate, 2021, 9, 43.	2.8	3

#	Article	IF	CITATIONS
1759	Estimating the Thermodynamic and Dynamic Contributions to Hydroclimatic Change over Peninsular Florida. Journal of Hydrometeorology, 2021, 22, 573-586.	1.9	1
1760	Relationship between prediction skill of surface winds in average of weeks 1 to 4 and interannual variability over the Western Pacific and Indian Ocean. Weather and Forecasting, 2021, , .	1.4	0
1761	Late-spring and summertime tropospheric ozone and NO ₂ in western Siberia and the Russian Arctic: regional model evaluation and sensitivities. Atmospheric Chemistry and Physics, 2021, 21, 4677-4697.	4.9	11
1762	A Highâ€Resolution Land Data Assimilation System Optimized for the Western United States. Journal of the American Water Resources Association, 2021, 57, 692-710.	2.4	9
1763	The Influence of Boundary Layer Mixing Strength on the Evolution of a Baroclinic Cyclone. Monthly Weather Review, 2021, 149, 661-678.	1.4	1
1764	Evaluation of the Surface Wind Field over Land in WRF Simulations of Hurricane Wilma (2005). Part I: Model Initialization and Simulation Validation. Monthly Weather Review, 2021, 149, 679-695.	1.4	12
1765	Does Dynamic Downscaling Modify the Projected Impacts of Stabilized 1.5°C and 2°C Warming on Hot Extremes Over China?. Geophysical Research Letters, 2021, 48, e2021GL092792.	4.0	9
1766	Effects of spatial resolution on WRF v3.8.1 simulated meteorology over the central Himalaya. Geoscientific Model Development, 2021, 14, 1427-1443.	3.6	21
1767	Implications of model selection: a comparison of publicly available, conterminous US-extent hydrologic component estimates. Hydrology and Earth System Sciences, 2021, 25, 1529-1568.	4.9	10
1768	SSPâ€Based Landâ€Use Change Scenarios: A Critical Uncertainty in Future Regional Climate Change Projections. Earth's Future, 2021, 9, e2020EF001782.	6.3	18
1769	Spatial and seasonal variations of black carbon over the Arctic in a regional climate model. Polar Science, 2021, 30, 100670.	1.2	7
1770	Assessing the soil moisture drought index for agricultural drought monitoring based on green vegetation fraction retrieval methods. Natural Hazards, 2021, 108, 499-518.	3.4	5
1771	Evaluation of Regional Land Surface Conditions Developed Using TheÂHigh-Resolution Land Data Assimilation System (HRLDAS) with Satellite and Global Analyses Over India. Pure and Applied Geophysics, 2021, 178, 1405-1424.	1.9	1
1772	Detecting Desert Locust Breeding Grounds: A Satellite-Assisted Modeling Approach. Remote Sensing, 2021, 13, 1276.	4.0	16
1773	A Bayesian adaptive reservoir operation framework incorporating streamflow non-stationarity. Journal of Hydrology, 2021, 594, 125959.	5.4	9
1774	Advection Fog over the Eastern Yellow Sea: WRF Simulation and Its Verification by Satellite and In Situ Observations. Remote Sensing, 2021, 13, 1480.	4.0	5
1775	Correlation Structures between Satellite All-Sky Infrared Brightness Temperatures and the Atmospheric State at Storm Scales. Advances in Atmospheric Sciences, 2022, 39, 714-732.	4.3	7
1776	Connecting Hydrometeorological Processes to Lowâ€Probability Floods in the Mountainous Colorado Front Range. Water Resources Research, 2021, 57, e2021WR029768.	4.2	8

#	Article	IF	CITATIONS
1777	Reducing Solar Radiation Forcing Uncertainty and Its Impact on Surface Energy and Water Fluxes. Journal of Hydrometeorology, 2021, 22, 813-829.	1.9	2
1778	Application of Morrison Cloud Microphysics Scheme in GRAPES_Meso Model and the Sensitivity Study on CCN's Impacts on Cloud Radiation. Atmosphere, 2021, 12, 489.	2.3	2
1779	Impacts of Air-Sea Energy Transfer on Typhoon Modelling. Advances in Meteorology, 2021, 2021, 1-14.	1.6	3
1780	Evaluation of boundary-layer and urban-canopy parameterizations for simulating wind in Miami during Hurricane Irma (2017). Monthly Weather Review, 2021, , .	1.4	3
1781	Interstate transport of carbon monoxide and black carbon over India. Atmospheric Environment, 2021, 251, 118268.	4.1	5
1782	Quantification of groundwater recharge and its spatio-temporal variability in the Ganga river basin. Geocarto International, 0, , 1-24.	3.5	4
1783	Urban Heat Islands during Heat Waves: A Comparative Study between Boston and Phoenix. Journal of Applied Meteorology and Climatology, 2021, 60, 621-641.	1.5	18
1784	Temporal and Spatial Variations of Soil Moisture Over Xinjiang Based on Multiple GLDAS Datasets. Frontiers in Earth Science, 2021, 9, .	1.8	13
1785	Impacts of Fully Coupling Land Surface and Flood Models on the Simulation of Large Wetlands' Water Dynamics: The Case of the Inner Niger Delta. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002463.	3.8	16
1786	Spatiotemporal Drivers of Hydrochemical Variability in a Tropical Glacierized Watershed in the Andes. Water Resources Research, 2021, 57, e2020WR028722.	4.2	3
1787	Experimental High-Resolution Winter Seasonal Climate Reforecasts for Florida. Weather and Forecasting, 2021, , .	1.4	1
1788	Assimilation Impact of Early FORMOSAT-7/COSMIC-2 GNSS Radio Occultation Data with Taiwan's CWB Clobal Forecast System. Monthly Weather Review, 2021, , .	1.4	8
1789	Comparison of rainfall microphysics characteristics derived by numerical weather prediction modelling and dualâ€frequency precipitation radar. Meteorological Applications, 2021, 28, e2000.	2.1	10
1790	Interannual oxygen isotope variability in Indian summer monsoon precipitation reflects changes in moisture sources. Communications Earth & Environment, 2021, 2, .	6.8	21
1791	Quantifying the potential of AQPI gap-filling radar network for streamflow simulation through a WRF-Hydro experiment. Journal of Hydrometeorology, 2021, , .	1.9	4
1792	Comparison of <scp>MMCFS</scp> and <scp>SINTEXâ€F2</scp> for seasonal prediction of Indian summer monsoon rainfall. International Journal of Climatology, 2021, 41, 6084-6108.	3.5	4
1793	Impacts of Urbanization, Aerodynamic Roughness, and Land Surface Processes on the Extreme Heavy Rainfall Over Chennai, India. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034017.	3.3	11
1794	Evaluation of PM2.5 fluxes in the "2+26―cities: Transport pathways and intercity contributions. Atmospheric Pollution Research, 2021, 12, 101048.	3.8	9

#	Article	IF	CITATIONS
1795	Qinghai-Tibet Plateau wetting reduces permafrost thermal responses to climate warming. Earth and Planetary Science Letters, 2021, 562, 116858.	4.4	56
1796	Unraveling the Mechanism of Extreme (More than 30 Sigma) Precipitation during August 2018 and 2019 over Kerala, India. Weather and Forecasting, 2021, 36, 1253-1273.	1.4	12
1797	Temperature Response to Changes in Vegetation Fraction Cover in a Regional Climate Model. Atmosphere, 2021, 12, 599.	2.3	0
1798	Characteristics and Source Apportionment of the Vertical Distribution of Ozone at a Site of the Pearl River Delta Region of China. Earth and Space Science, 2021, 8, e2020EA001578.	2.6	2
1799	Accounting for land model error in numerical weather prediction ensemble systems: toward ensemble-based coupled land/atmosphere data assimilation. Journal of Hydrometeorology, 2021, , .	1.9	2
1800	Drought adaptability of phreatophytes: insight from vertical root distribution in drylands of China. Journal of Plant Ecology, 2021, 14, 1128-1142.	2.3	10
1801	Local evaporation controlled by regional atmospheric circulation in the Altiplano of the Atacama Desert. Atmospheric Chemistry and Physics, 2021, 21, 9125-9150.	4.9	15
1802	Reducing Systematic Biases Over the Indian Region in CFS V2 by Dynamical Downscaling. Earth and Space Science, 2021, 8, e2020EA001507.	2.6	3
1803	Impacts of maximum snow albedo and land cover changes on meteorological variables during winter in northeast China. Atmospheric Research, 2021, 254, 105449.	4.1	6
1804	Influence of Near Real-Time Green Vegetation Fraction Data on Numerical Weather Prediction by WRF over North China. Journal of Meteorological Research, 2021, 35, 505-520.	2.4	3
1805	Urbanization and Winter Precipitation: A Case Study Analysis of Land Surface Sensitivity. Atmosphere, 2021, 12, 805.	2.3	3
1806	Impacts of climate change on terrestrial hydrological components and crop water use in the Chesapeake Bay watershed. Journal of Hydrology: Regional Studies, 2021, 35, 100830.	2.4	7
1808	A Limited Area Modeling Capability for the Finiteâ€Volume Cubedâ€Sphere (FV3) Dynamical Core and Comparison With a Global Twoâ€Way Nest. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002483.	3.8	15
1809	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). Geoscientific Model Development, 2021, 14, 3215-3249.	3.6	18
1810	Estimation of Long-duration Maximum Precipitation during a winter season for large basins dominated by Atmospheric Rivers using a Numerical Weather Model. Journal of Hydrology, 2021, 598, 126224.	5.4	6
1811	Variable tree rooting strategies are key for modelling the distribution, productivity and evapotranspiration of tropical evergreen forests. Biogeosciences, 2021, 18, 4091-4116.	3.3	11
1812	Quantifying the Impacts of Land Surface Modeling on Hub-Height Wind Speed under Different Soil Conditions. Monthly Weather Review, 2021, , .	1.4	2
1813	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. Geoscientific Model Development, 2021, 14, 4465-4494.	3.6	31

#	Article	IF	CITATIONS
1814	Seasonal distribution and drivers of surface fine particulate matter and organic aerosol over the Indo-Gangetic Plain. Atmospheric Chemistry and Physics, 2021, 21, 10881-10909.	4.9	15
1815	The effects of the unified parameterization in the CWBCFS: the diurnal cycle of precipitation over land in the Maritime Continent. Climate Dynamics, 2022, 58, 223-233.	3.8	2
1816	Evaluating the Forecast Skill of a Hydrometeorological Modelling System in Greece. Atmosphere, 2021, 12, 902.	2.3	11
1817	Land surface modeling over the Dry Chaco: the impact of model structures, and soil, vegetation and land cover parameters. Hydrology and Earth System Sciences, 2021, 25, 4099-4125.	4.9	10
1818	Improving accuracy in simulation of urban wind flows by dynamic downscaling WRF with OpenFOAM. Urban Climate, 2021, 38, 100912.	5.7	17
1819	Improve the Performance of the Noahâ€MPâ€Crop Model by Jointly Assimilating Soil Moisture and Vegetation Phenology Data. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002394.	3.8	15
1820	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. Atmosphere, 2021, 12, 921.	2.3	0
1821	Ensemble Skill Gains Obtained From the Multiâ€Physics Versus Multiâ€Model Approaches for Continentalâ€ S cale Hydrological Simulations. Water Resources Research, 2021, 57, e2020WR028846.	4.2	1
1822	Relationship of Convection Initiation and Subsequent Storm Strength to Ensemble Simulated Environmental Conditions during IOP3b of VORTEX Southeast 2017. Monthly Weather Review, 2021, 149, 3265-3287.	1.4	2
1823	Continuity of terrestrial water storage variability and trends across mainland China monitored by the GRACE and GRACE-Follow on satellites. Journal of Hydrology, 2021, 599, 126308.	5.4	25
1824	Vertical profiles and regional transport of ozone and aerosols in the Yangtze River Delta during the 2016 G20 summit based on multiple lidars. Atmospheric Environment, 2021, 259, 118506.	4.1	6
1825	Estimation of water origins within an explosive cyclone over the Sea of Japan using an isotopic regional spectral model. Journal of Hydrometeorology, 2021, , .	1.9	4
1826	Impacts of WRF Model Domain Size on Meiyu Rainfall Forecasts over Zhejiang, China. Asia-Pacific Journal of Atmospheric Sciences, 2022, 58, 265-280.	2.3	2
1827	Role of Microphysics and Convective Autoconversion for the Better Simulation of Tropical Intraseasonal Oscillations (MISO and MJO). Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002540.	3.8	6
1828	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. Remote Sensing, 2021, 13, 3090.	4.0	4
1829	Estimation of Evapotranspiration and Its Components across China Based on a Modified Priestley–Taylor Algorithm Using Monthly Multi-Layer Soil Moisture Data. Remote Sensing, 2021, 13, 3118.	4.0	6
1830	Poleward transport of African dust to the Iberian Peninsula organized by a barrier jet and hydraulic jumps: Observations and high-resolution simulation analyses. Atmospheric Environment, 2021, 261, 118574.	4.1	3
1831	Insight into ozone profile climatology over northeast China from aircraft measurement and numerical simulation. Science of the Total Environment, 2021, 785, 147308.	8.0	8

#	Article	IF	CITATIONS
1832	A triple collocation-based 2D soil moisture merging methodology considering spatial and temporal non-stationary errors. Remote Sensing of Environment, 2021, 263, 112509.	11.0	15
1833	Evapotranspiration trends and variability in southeastern South America: The roles of land over change and precipitation variability. International Journal of Climatology, 0, , .	3.5	6
1834	Improved parameterization of snow albedo in Noah coupled with Weather Research and Forecasting: applicability to snow estimates for the Tibetan Plateau. Hydrology and Earth System Sciences, 2021, 25, 4967-4981.	4.9	13
1835	Impacts of initial conditions and model configuration on simulations of polar lows near Svalbard using Polar <scp>WRF</scp> with <scp>3DVAR</scp> . Quarterly Journal of the Royal Meteorological Society, 2021, 147, 3806-3834.	2.7	5
1836	The Critical Effect of Subgridâ€5cale Scheme on Simulating the Climate Impacts of Deforestation. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035133.	3.3	4
1837	Extreme wind climate of the Arabian Peninsula characterized by using WRF simulation. Weather and Climate Extremes, 2021, 33, 100330.	4.1	5
1838	Improving weather forecasting by assimilation of water vapor isotopes. Scientific Reports, 2021, 11, 18067.	3.3	3
1839	Understanding the Impacts of Land Surface and PBL Observations on the Terrestrial and Atmospheric Legs of Land–Atmosphere Coupling. Journal of Hydrometeorology, 2021, 22, 2241-2258.	1.9	3
1840	Evaluation of coupled regional climate models in representing the local biophysical effects of afforestation over continental China. Journal of Climate, 2021, , 1-62.	3.2	5
1841	Impact of Lightning Data Assimilation on Forecasts of a Leeward Slope Precipitation Event in the Western Margin of the Junggar Basin. Remote Sensing, 2021, 13, 3584.	4.0	10
1842	Estimation of groundwater recharge using multiple climate models in Bayesian frameworks. Journal of Water and Climate Change, 0, , .	2.9	2
1843	A Numerical Study of Cirrus Bands and Low Static-stability Layers associated with Tropical Cyclone Outflow. Journals of the Atmospheric Sciences, 2021, , .	1.7	1
1844	Exploring Sources of Surface Bias in HRRR Using New York State Mesonet. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034989.	3.3	4
1845	Predicting Rapid Changes in Evaporative Stress Index (ESI) and Soil Moisture Anomalies over the Continental United States Journal of Hydrometeorology, 2021, , .	1.9	3
1846	Key parameters in urban surface radiation budget and energy balance modeling. Urban Climate, 2021, 39, 100940.	5.7	3
1847	Expanding the Application of Soil Moisture Monitoring Systems through Regression-Based Transformation. Journal of Hydrometeorology, 2021, 22, 2601-2615.	1.9	0
1848	A Single Column Model Evaluation of Mixing Length Formulations and Constraints for the sa-TKE-EDMF Planetary Boundary Layer Parameterization. Weather and Forecasting, 2021, , .	1.4	1
1849	Potential of water balance and remote sensing-based evapotranspiration models to predict yields of spring barley and winter wheat in the Czech Republic. Agricultural Water Management, 2021, 256, 107064.	5.6	9

#	Article	IF	Citations
1850	A numerical study of the urban green roof and cool roof strategies' effects on boundary layer meteorology and ozone air quality in a megacity. Atmospheric Environment, 2021, 264, 118702.	4.1	13
1851	Strategies towards PM2.5 attainment for non-compliant cities in China: A case study. Journal of Environmental Management, 2021, 298, 113529.	7.8	4
1852	Heat budget model facilitates exploration of thermal ecology on urban shoreline infrastructure. Ecological Engineering, 2021, 171, 106371.	3.6	0
1853	Effects of meteorological forcings and land surface model on soil moisture simulation over China. Journal of Hydrology, 2021, 603, 126978.	5.4	26
1854	Impact of parameterizing the turbulent orographic form drag on convection-permitting simulations of winds and precipitation over South China during the 2019 pre-summer rainy season. Atmospheric Research, 2021, 263, 105814.	4.1	12
1855	Numerical analysis of aerosol direct and indirect effects on an extreme rainfall event over Beijing in July 2016. Atmospheric Research, 2021, 264, 105871.	4.1	7
1856	Evaluation of Different Storm Parameters as the Proxies for Gridded Total Lightning Flash Rates: A Convection-Allowing Model Study. Atmosphere, 2021, 12, 95.	2.3	5
1858	Mapping and Monitoring of Soil Moisture, Evapotranspiration, and Agricultural Drought. Springer Remote Sensing/photogrammetry, 2021, , 299-320.	0.4	1
1859	Passive Microwave Brightness Temperature Assimilation to Improve Snow Mass Estimation Across Complex Terrain in Pakistan, Afghanistan, and Tajikistan. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8849-8863.	4.9	0
1860	Modeling the Snowmelt Runoff Process of the Tizinafu River Basin, Northwest China, with GLDAS Data and Bayesian Uncertainty Analysis. Journal of Hydrometeorology, 2021, 22, 169-182.	1.9	0
1861	Observations and simulations of a wind farm modifying a thunderstorm outflow boundary. Wind Energy Science, 2021, 6, 1-13.	3.3	4
1862	Atmospheric mesoscale conditions during the Boothbay meteotsunami: a numerical sensitivity study using a high-resolution mesoscale model. , 2014, , 55-74.		3
1865	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. Climate Change Management, 2016, , 21-34.	0.8	6
1866	A One-dimensional Ensemble Forecast and Assimilation System for Fog Prediction. , 2007, , 1241-1264.		3
1867	Modeling Urban Effects on the Precipitation Component of the Water Cycle. Geospatial Technology and the Role of Location in Science, 2010, , 265-292.	0.5	2
1868	Snow Cover. , 2013, , 217-224.		1
1869	Role of Surface Roughness Length on Simulation of Cyclone Aila. , 2014, , 255-262.		1
1870	A proxy for high-resolution regional reanalysis for the Southeast United States: assessment of precipitation variability in dynamically downscaled reanalyses. 2012, 38, 2449.		1

#	Article	IF	CITATIONS
1871	Microwave retrievals of soil moisture and vegetation optical depth with improved resolution using a combined constrained inversion algorithm: Application for SMAP satellite. Remote Sensing of Environment, 2020, 239, 111662.	11.0	34
1873	The Upper Tail of Precipitation in Convectionâ€Permitting Regional Climate Models and Their Utility in Nonstationary Rainfall and Flood Frequency Analysis. Earth's Future, 2020, 8, e2020EF001613.	6.3	16
1874	Role of the Radiative Effect of Black Carbon in Simulated PM2.5Concentrations during a Haze Event in China. Atmospheric and Oceanic Science Letters, 2014, 7, 434-440.	1.3	5
1875	Dynamical Downscaling of the Twentieth Century Reanalysis for China? Climatic Means during 1981–2010. Atmospheric and Oceanic Science Letters, 2015, 8, 166-173.	1.3	5
1876	Simulating interactions between topography, permafrost, and vegetation in Siberian larch forest. Environmental Research Letters, 2020, 15, 095006.	5.2	9
1878	Dynamics of resonantly interacting equatorial waves. Tellus, Series A: Dynamic Meteorology and Oceanography, 2006, 58, 263-276.	1.7	1
1879	Adapting to Extreme Heat: Social, Atmospheric, and Infrastructure Impacts of Air-Conditioning in Megacities—The Case of New York City. ASME Journal of Engineering for Sustainable Buildings and Cities, 2020, 1, .	0.9	4
1880	A 100-m-Scale Modeling Study of a Gale Event on the Lee Side of a Long Narrow Mountain. Journal of Applied Meteorology and Climatology, 2020, 59, 23-45.	1.5	12
1881	Surface Turbulent Fluxes during Persistent Cold-Air Pool Events in the Salt Lake Valley, Utah. Part II: Simulations. Journal of Applied Meteorology and Climatology, 2020, 59, 1029-1050.	1.5	5
1882	Observation and Simulation of a Bifurcating Thunderstorm over Beijing. Journal of Applied Meteorology and Climatology, 2020, 59, 2129-2148.	1.5	11
1883	Environment and Mechanisms of Severe Turbulence in a Midlatitude Cyclone. Journals of the Atmospheric Sciences, 2020, 77, 3869-3889.	1.7	15
1884	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. Journal of Climate, 2020, 33, 10055-10072.	3.2	11
1885	Sensitivity of CONUS Summer Rainfall to the Selection of Cumulus Parameterization Schemes in NU-WRF Seasonal Simulations. Journal of Hydrometeorology, 2017, 18, 1689-1706.	1.9	11
1886	Assessing the Impact of Soil Layer Depth Specification on the Observability of Modeled Soil Moisture and Brightness Temperature. Journal of Hydrometeorology, 2020, 21, 2041-2060.	1.9	9
1887	Observations and Simulation of Elevated Nocturnal Convection Initiation on 24 June 2015 during PECAN. Monthly Weather Review, 2020, 148, 613-635.	1.4	9
1888	Systematic Evaluation of the Impact of Assimilating a Network of Ground-Based Remote Sensing Profilers for Forecasts of Nocturnal Convection Initiation during PECAN. Monthly Weather Review, 2020, 148, 4703-4728.	1.4	12
1889	Mesoscale optical turbulence simulations above Tibetan Plateau: first attempt. Optics Express, 2020, 28, 4571.	3.4	28
1890	The Role of Temperature and Humidity on Seasonal Influenza in Tropical Areas: Guatemala, El Salvador and Panama, 2008–2013. PLoS ONE, 2014, 9, e100659.	2.5	69

		CITATION REPORT	
#	Article	IF	Citations
1891	Streamflow Impacts of Biofuel Policy-Driven Landscape Change. PLoS ONE, 2014, 9, e109129.	2.5	8
1892	Numerical Study on the Stomatal Responses to Dry-Hot Wind Episodes and Its Effects on Land-Atmosphere Interactions. PLoS ONE, 2016, 11, e0162852.	2.5	11
1893	Evaluation of High-Resolution Hydrologic Components Based on TOPLATS Land Surface Model. Atmosphere, 2012, 22, 357-365.	0.3	3
1894	Establishing a national standard method for operational mixing height determination. Journal of Operational Meteorology, 2015, 03, 172-189.	0.9	5
1895	Impacts of a University-led, On-demand Sounding Program on Human and Numerical Weather Prediction Model Forecasts in an Upper-air Observation Hole. Journal of Operational Meteorology 2018, 06, 74-86.	, 0.9	2
1896	Prediction of Hub Height Winds over the Plateau Terrain by using WRF /YSU/Noah and Statistical Forecast. Earth Sciences Research Journal, 2017, 21, 37.	0.6	2
1897	Relationship between the hydraulic properties of the soil and the planetary boundary layer. Agrok Es Talajtan, 2012, 61, 9-28.	emia 0.2	1
1898	Improved Performance of Simulated Japanese Climate with a Multi-Model Ensemble. Journal of th Meteorological Society of Japan, 2012, 90, 235-254.	e 1.8	43
1899	The Diurnal Cycle of Water and Energy over the Continental United States from Three Reanalyses Journal of the Meteorological Society of Japan, 2007, 85A, 117-143.	;. 1.8	19
1900	Planetary Scale Land-Ocean Contrast of Near-Surface Air Temperature and Precipitation Forced b Present and Future SSTs. Journal of the Meteorological Society of Japan, 2009, 87, 877-894.	y 1.8	1
1901	Comparison of Snow Water Equivalent Estimated in Central Japan by High-Resolution Simulation Using Different Land-Surface Models. Scientific Online Letters on the Atmosphere, 2013, 9, 148-	s 1.4 152.	9
1902	Sensitivity of WRF Cloud Microphysics to Simulations of a Convective Storm Over the Nepal Himalayas. The Open Atmospheric Science Journal, 2017, 11, 29-43.	0.5	13
1903	Regional climate change scenarios in the Brazilian Pantanal watershed. Climate Research, 2016, 6 201-213.	58, 1.1	48
1904	Changing Characteristic of Land Surface Evapotranspiration and Soil Moisture in China during the Past 30 Years. Geo-information Science, 2012, 14, 1-13.	2 0.1	9
1905	Temperature biases in modeled polar climate and adoption of physical parameterization schemes Advances in Polar Science, 2012, 23, .	. 0.3	1
1906	Evaluation of Hydrometeorological Components Simulated by Water and Energy Balance Analysis Journal of Korea Water Resources Association, 2014, 47, 25-35.	5. 0.2	3
1907	A New Approach for Estimation of Fine Particulate Concentrations Using Satellite Aerosol Optica Depth and Binning of Meteorological Variables. Aerosol and Air Quality Research, 2017, 17, 356-3	367. 2.1	51
1908	Characterization and Modeling of Fog in the Mexico Basin. Aerosol and Air Quality Research, 201 79-90.	8, 18, 2.1	2

#	Article	IF	CITATIONS
1909	Model-Integration of Anthropogenic Heat for Improving Air Quality Forecasts over the Beijing Megacity. Aerosol and Air Quality Research, 2018, 18, 790-802.	2.1	6
1910	Assessment of Meteorological Impact and Emergency Plan for a Heavy Haze Pollution Episode in a Core City of the North China Plain. Aerosol and Air Quality Research, 2020, 20, 26-42.	2.1	14
1911	The Global Weather Research and Forecasting (GWRF) Model: Model Evaluation, Sensitivity Study, and Future Year Simulation. Atmospheric and Climate Sciences, 2012, 02, 231-253.	0.3	16
1912	Downscaling Climate Projections over La Plata Basin. Atmospheric and Climate Sciences, 2016, 06, 1-12.	0.3	7
1913	Assessment of Different WRF Configurations Performance for a Rain Event over Panama. Atmospheric and Climate Sciences, 2020, 10, 280-297.	0.3	5
1914	Future Changes in Temperature and Precipitation Extremes in the State of Rio de Janeiro (Brazil). American Journal of Climate Change, 2014, 03, 353-365.	0.9	11
1915	Evaluation of the Eta Simulations Nested in Three Global Climate Models. American Journal of Climate Change, 2014, 03, 438-454.	0.9	170
1916	Assessment of Climate Change over South America under RCP 4.5 and 8.5 Downscaling Scenarios. American Journal of Climate Change, 2014, 03, 512-527.	0.9	254
1917	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. Atmospheric Chemistry and Physics, 2020, 20, 12527-12547.	4.9	12
1918	Elevated dust layers inhibit dissipation of heavy anthropogenic surface air pollution. Atmospheric Chemistry and Physics, 2020, 20, 14917-14932.	4.9	14
1931	Seasonal range test run with Global Eta Framework. Advances in Science and Research, 0, 14, 247-251.	1.0	1
1933	Groundwater storage dynamics in the world's large aquifer systems from GRACE: uncertainty and role of extreme precipitation. Earth System Dynamics, 2020, 11, 755-774.	7.1	35
1935	Simulated wind farm wake sensitivity to configuration choices in the Weather Research and Forecasting model version 3.8.1. Geoscientific Model Development, 2020, 13, 2645-2662.	3.6	22
1936	Development of the Surface Urban Energy and Water Balance Scheme (SUEWS) for cold climate cities. Geoscientific Model Development, 2014, 7, 1691-1711.	3.6	60
1942	Improving estimated soil moisture fields through assimilation of AMSR-E soil moisture retrievals with an ensemble Kalman filter and a mass conservation constraint. Hydrology and Earth System Sciences, 2012, 16, 105-119.	4.9	42
1943	Soil moisture sensor network design for hydrological applications. Hydrology and Earth System Sciences, 2020, 24, 2577-2591.	4.9	8
1944	Estimation of rainfall erosivity based on WRF-derived raindrop size distributions. Hydrology and Earth System Sciences, 2020, 24, 5407-5422.	4.9	11
1945	Simulation analysis of local land atmosphere coupling in rainy season over a typical underlying surface in the Tibetan Plateau. Hydrology and Earth System Sciences, 2020, 24, 5937-5951.	4.9	8

#	Article	IF	CITATIONS
1963	Simulation of extreme rainfall and streamflow events in small Mediterranean watersheds with a one-way-coupled atmospheric–hydrologic modelling system. Natural Hazards and Earth System Sciences, 2020, 20, 2791-2810.	3.6	25
1965	Systematic bias of Tibetan Plateau snow cover in subseasonal-to-seasonal models. Cryosphere, 2020, 14, 3565-3579.	3.9	11
1966	A Simulation of Agro-Climate Index over the Korean Peninsula Using Dynamical Downscaling with a Numerical Weather Prediction Model. Korean Journal of Agricultural and Forest Meteorology, 2010, 12, 1-10.	0.2	18
1967	Comparison of Crop Growth and Evapotranspiration Simulations between Noah Multi Physics Model and CERES-Rice Model. Korean Journal of Agricultural and Forest Meteorology, 2013, 15, 282-290.	0.2	3
1968	Prediction of Ozone Concentrations over the Sea of Japan Coastal Area Using WRF/Chem Model. Iranica Journal of Energy & Environment, 2012, 3, 1-16.	0.4	2
1969	Warming and drying climate over Loess plateau area in China and its effect on land surface energy exchange. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 139202.	0.5	7
1970	The Indian summer monsoon and Indian Ocean Dipole connection in the IITM Earth System Model (IITM-ESM). Climate Dynamics, 2022, 58, 1877-1897.	3.8	8
1971	Improving the Four-Dimensional Incremental Analysis Update (4DIAU) with the HWRF 4DEnVar Data Assimilation System for Rapidly Evolving Hurricane Prediction. Monthly Weather Review, 2021, 149, 4027-4043.	1.4	4
1972	Placing the east-west North American aridity gradient in a multi-century context. Environmental Research Letters, 2021, 16, 114043.	5.2	6
1973	Nonlinear responses of particulate nitrate to NO _x emission controls in the megalopolises of China. Atmospheric Chemistry and Physics, 2021, 21, 15135-15152.	4.9	24
1974	Mineral dust cycle in the Multiscale Online Nonhydrostatic AtmospheRe CHemistry model (MONARCH) Version 2.0. Geoscientific Model Development, 2021, 14, 6403-6444.	3.6	35
1975	Multiscale Aspects of the 26–27 April 2011 Tornado Outbreak. Part II: Environmental Modifications and Upscale Feedbacks Arising from Latent Processes. Monthly Weather Review, 2022, 150, 337-368.	1.4	4
1976	Amplification of soil moisture deficit and high temperature in a drought-heatwave co-occurrence in southwestern China. Natural Hazards, 2022, 111, 641-660.	3.4	7
1977	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. Sustainability, 2021, 13, 11399.	3.2	1
1979	Characteristics and Predictability of Midwestern United States Drought. Journal of Hydrometeorology, 2021, , .	1.9	0
1980	The soil moisture data bank: The ground-based, model-based, and satellite-based soil moisture data. Remote Sensing Applications: Society and Environment, 2021, 24, 100649.	1.5	8
1981	Impact of different urban canopy models on air quality simulation in Chengdu, southwestern China. Atmospheric Environment, 2021, 267, 118775.	4.1	14
1983	Comparison of Precipitable Water Vapor Observations by GPS, Radiosonde and NWP Simulation. Journal of Astronomy and Space Sciences, 2009, 26, 555-566.	1.0	2

#	Article	IF	CITATIONS
1985	WRF-ARW Simulation: Urban Area Scale Forecast for the Tel Aviv Metropolitan Area. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 125-131.	0.2	0
1989	Earth System earth system Model, Modeling the Land Component earth system modeling the land component of. , 2012, , 3211-3230.		0
1990	Simulated Tropical Cyclone Climatology in the Tropical Channel Experiments. , 2012, , 27-44.		0
1991	Performance Comparison of an Urban Canopy Model under Different Meteorological Conditions. Atmosphere, 2012, 22, 429-436.	0.3	0
1992	Improvement of Cloud Radiative Forcing and Its Impact on Weather Forecasts. The Open Atmospheric Science Journal, 2013, 7, 1-13.	0.5	0
1993	Atmospheric processes responsible for generation of the 2008 Boothbay meteotsunami. , 2013, , 25-53.		3
1997	ESTUDO DO COMPORTAMENTO DE VARIÃVEIS DE SOLO UTILIZANDO O MODELO NOAH PARA UMA CULTURA DE ARROZ IRRIGADO. Ciência E Natura, 2013, .	0.0	0
1998	Real-Time Prediction of the Tropical Cyclogenesis Location over Bay of Bengal Using Global Forecast System (GFS). , 2014, , 287-299.		1
2000	Projecting Extreme Changes in Summer Rainfall in South America by the Middle of the 21st Century. Atmospheric and Climate Sciences, 2014, 04, 743-756.	0.3	0
2004	A Spanning Tree Hierarchical Model for Land Cover Classification. Springer Proceedings in Mathematics and Statistics, 2015, , 125-134.	0.2	0
2006	INFLUÊNCIA DAS CONDIÇÕES DO SOLO NA CLIMATOLOGIA DA PREVISÃO SAZONAL DO MODELO ETA. Revista Brasileira De Climatologia, 0, 15, .	0.3	1
2011	Soil Moisture Estimation and Drought Assessment at the Spatio-Temporal Scales using Remotely Sensed Data: (I) Soil Moisture. Journal of Korean Neuropsychiatric Association, 2016, 32, 60-69.	0.5	2
2012	Üçlü Eşleştirme Yöntemi ile Uydu ve Hidrolojik Model Kaynaklı Toprak Nemi Değerlerinin Hata Oranla Bulunması. Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, 2016, 31, 231-240.	rının 0.1	0
2013	The Effect of Surface Heterogeneity on the Vertical Structure of the Saharan Convective Boundary Layer. Springer Atmospheric Sciences, 2017, , 107-113.	0.3	0
2014	Evaluating the Diurnal Cycle of Precipitation Representation in West African Monsoon Region with Different Convection Schemes. , 2016, , 169-191.		0
2015	Influence of Parameterization of Some Physical Processes in Soils on Numerical Meteorological Forecasts of Surface Fields. , 2016, 20, 48-58.		0
2016	Numerical Weather Prediction Basics: Models, Numerical Methods, and Data Assimilation. , 2018, , 1-31.		8
2017	Land Surface Hydrological Models. , 2018, , 1-42.		0
#	Article	IF	CITATIONS
------	--	-----	-----------
2018	An explicit method of mesoscale convective storm prediction for the central region of Russia. Advances in Science and Research, 0, 15, 213-216.	1.0	0
2020	Numerical Investigation of the Coastal Atmosphere and Ocean at Mea $ ilde{A}$ pe. , 0, , .		0
2023	Impacts of Insolation and Soil Moisture on the Seasonality of Interactions Between the Maddenâ€Julian Oscillation and Maritime Continent. Journal of Geophysical Research D: Atmospheres, 2020, 125, .	3.3	2
2024	Estimation of Wind Speed and Roughness Length Using Smartphones: Method and Quality Assessment. Journal of Atmospheric and Oceanic Technology, 2020, 37, 1319-1332.	1.3	2
2025	Addition of Multilayer Urban Canopy Models to a Nonlocal Planetary Boundary Layer Parameterization and Evaluation Using Ideal and Real Cases. Journal of Applied Meteorology and Climatology, 2020, 59, 1369-1392.	1.5	5
2026	Stone Content Influence on Land Surface Model Simulation of Soil Moisture and Evapotranspiration at Reynolds Creek Watershed. Journal of Hydrometeorology, 2020, 21, 1889-1904.	1.9	4
2029	Multiâ€Objective Adaptive Surrogate Modelingâ€Based Optimization for Distributed Environmental Models Based on Grid Sampling. Water Resources Research, 2021, 57, e2020WR028740.	4.2	3
2030	Implementation and Evaluation of a Unified Turbulence Parameterization Throughout the Canopy and Roughness Sublayer in Noahâ€MP Snow Simulations. Journal of Advances in Modeling Earth Systems, 2021, 13, .	3.8	8
2032	Assessment of the Effects of Urban Heat Island on Buildings. Advances in 21st Century Human Settlements, 2021, , 15-41.	0.4	0
2033	An Examination of the Impact of Grid Spacing on WRF Simulations of Wintertime Precipitation in the Mid-Atlantic United States. Weather and Forecasting, 2020, 35, 2317-2343.	1.4	3
2034	Sensitivity of U.S. Drought Prediction Skill to Land Initial States. Journal of Hydrometeorology, 2020, 21, 2793-2811.	1.9	7
2035	Research on Spatiotemporal Variation of Soil Temperature in China from 1948 to 2018. Journal of Environmental Protection, 2020, 11, 570-584.	0.7	1
2036	Ulusal Dinamik RÃ1⁄4zgâr Erozyonu Modeli Ve İzleme Sistemi Bitki ×rtÃ1⁄4sÃ1⁄4 Parametresinin Belirlenmesi. Toprak Su Dergİsİ, 0, , .	2.0	0
2037	Numerical simulations of precipitation and streamflow in current climate and future projections to drainage areas of Brazilian hydroelectric plants. Climate Research, 2020, 79, 219-241.	1.1	5
2038	What Causes the Unobserved Earlyâ€&pring Snowpack Ablation in Convectionâ€Permitting WRF Modeling Over Utah Mountains?. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035284.	3.3	13
2039	Evaluation of three new surface irrigation parameterizations in the WRF-ARW v3.8.1 model: the Po Valley (Italy) case study. Geoscientific Model Development, 2020, 13, 3179-3201.	3.6	19
2040	The 23 June 2016 West Virginia Flash Flood Event as Observed through Two Hydrometeorology Testbed Experiments. Weather and Forecasting, 2020, 35, 2099-2126.	1.4	3
2041	Studying Scale Dependency of Aerosol–Cloud Interactions Using Multiscale Cloud Formulations. Journals of the Atmospheric Sciences, 2020, 77, 3847-3868.	1.7	1

#	Article	IF	CITATIONS
2042	Assimilation of Satellite-Derived Soil Moisture for Improved Forecasts of the Great Plains Low-Level Jet. Monthly Weather Review, 2020, 148, 4607-4627.	1.4	3
2043	Comparing the performances of WRF QPF and PERSIANN-CCS QPEs in karst flood simulation and forecasting by coupling the Karst-Liuxihe model. Frontiers of Earth Science, 2022, 16, 381-400.	2.1	2
2044	Atmospheric dynamics and internal processes in CFSv2 model during organization and intensification of BSISO. Journal of Earth System Science, 2021, 130, 1.	1.3	1
2045	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. Journal of Flood Risk Management, 2022, 15, e12763.	3.3	2
2046	Evaluation the WRF Model with Different Land Surface Schemes: Heat Wave Event Simulations and Its Relation to Pacific Variability over Coastal Region, Karachi, Pakistan. Sustainability, 2021, 13, 12608.	3.2	2
2047	Combinational Optimization of the WRF Physical Parameterization Schemes to Improve Numerical Sea Breeze Prediction Using Micro-Genetic Algorithm. Applied Sciences (Switzerland), 2021, 11, 11221.	2.5	12
2048	The Multi-Scale Dynamics Organizing a Favorable Environment for Convective Density Currents That Redirected the Yarnell Hill Fire. Climate, 2021, 9, 170.	2.8	2
2049	How well are we able to close the water budget at the global scale?. Hydrology and Earth System Sciences, 2022, 26, 35-54.	4.9	27
2050	A high resolution coupled ocean-atmosphere simulation of the regional climate over Central America. Climate Dynamics, 2022, 58, 2981-3001.	3.8	3
2051	Transport of black carbon from Central and West Asia to the Tibetan Plateau: Seasonality and climate effect. Atmospheric Research, 2022, 267, 105987.	4.1	3
2052	Big climate data assessment of viticultural conditions for wine quality determination in France. Oeno One, 2020, 54, 699-717.	1.4	1
2053	Singapore: An Integrated Multi-scale Urban Microclimate Model for Urban Planning in Singapore. , 2021, , 189-217.		1
2054	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. Remote Sensing, 2022, 14, 612.	4.0	5
2055	Assessment and improvement of Noah-MP for simulating water and heat exchange over alpine grassland in growing season. Science China Earth Sciences, 2022, 65, 536-552.	5.2	9
2056	Modeling Largeâ€Scale Heatwave by Incorporating Enhanced Urban Representation. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	15
2057	Determining Spatial Scales of Soil Moisture—Cloud Coupling Pathways Using Semiâ€Idealized Simulations. Journal of Geophysical Research D: Atmospheres, 2022, 127, e2021JD035282.	3.3	2
2059	MPR 1.0: a stand-alone multiscale parameter regionalization tool for improved parameter estimation of land surface models. Geoscientific Model Development, 2022, 15, 859-882.	3.6	8
2060	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. Atmospheric Environment: X, 2022, 13, 100149.	1.4	1

ARTICLE IF CITATIONS Inline coupling of simple and complex chemistry modules within the global weather forecast model 2061 3.6 3 FIM (FIM-Chem v1). Geoscientific Model Development, 2022, 15, 467-491. Modeling Thermal Environment Responses to Terrain and Urbanization of Metropolis. Journal of 2062 0.4 Physics: Conference Series, 2022, 2173, 012023. Investigating the ability of deep learning on actual evapotranspiration estimation in the scarcely 2063 5.411 observed region. Journal of Hydrology, 2022, 607, 127506. Improvements in Diurnal Cycle and Its Impact on Seasonal Mean by Incorporating COARE Flux 2064 2.8 Algorithm in CFS. Frontiers in Climate, 2022, 3, . Impact of deep basin terrain on PM2.5 distribution and its seasonality over the Sichuan Basin, 2065 7.5 17 Southwest China. Environmental Pollution, 2022, 300, 118944. A Source of WRF Simulation Error for the Earlyâ€Summer Warmâ€Sector Heavy Rainfall Over South China Coast: Landâ€Sea Thermal Contrast in the Boundary Layer. Journal of Geophysical Research D: 3.3 Atmospheres, 2022, 127, . Assessing the effects of urban green landscape on urban thermal environment dynamic in a semiarid 2067 city by integrated use of airborne data, satellite imagery and land surface model. International 2.8 5 Journal of Applied Earth Observation and Geoinformation, 2022, 107, 102674. Global spatiotemporal consistency between meteorological and soil moisture drought indices. 2068 4.8 40 Agricultural and Forest Meteorology, 2022, 316, 108848. Simulation of Karst Floods with a Hydrological Model Improved by Meteorological Model Coupling. 2069 1.9 0 Journal of Hydrometeorology, 2022, 23, 185-207. Energy-Based Approaches in Estimating Actual Evapotranspiration Focusing on Land Surface 3.1 Temperature: A Review of Methods, Concepts, and Challenges. Energies, 2022, 15, 1264. Subseasonal prediction performance for South American land–atmosphere coupling in extended 2071 4 2.3 austral summer. Climate Resilience and Sustainability, 2022, 1, . Optimizing a backscatter forward operator using Sentinel-1 data over irrigated land. Hydrology and 4.9 14 Earth System Sciences, 2021, 25, 6283-6307. Impacts of greenhouse gases and deforestation in Amazon Basin climate extreme indices. Climate 2073 1.1 2 Research, 2022, 88, 39-56. Interaction between aerosol and thermodynamic stability within the planetary boundary layer during wintertime over the North China Plain: aircraft observation and WRF-Chem simulation. Atmospheric 2074 Chemistry and Physics, 2022, 22, 2507-2524. Spatiotemporal Characteristics of NPP Changes in Frozen Ground Areas of the Three-River Headwaters 2075 3 1.8 Region, China: A Regional Modeling Perspective. Frontiers in Earth Science, 2022, 10, . GIS-Based Water Budget Estimation of the Kizilirmak River Basin using GLDAS-2.1 Noah and CLSM Models and Remote Sensing Observations. Journal of the Indian Society of Remote Sensing, 2022, 50, 2.4 1191-1209. On the Spinâ€Up Strategy for Spatial Modeling of Permafrost Dynamics: A Case Study on the Qinghaiâ€Tibet 2079 3.8 7 Plateau. Journal of Advances in Modeling Earth Systems, 2022, 14, . Is it north or west foehn? A Lagrangian analysis of Penetration and Interruption of Alpine Foehn intensive observation period 1 (PIANO IOP 1). Weather and Climate Dynamics, 2022, 3, 279-303.

#	Article	IF	CITATIONS
2081	Assimilation of NASA's Airborne Snow Observatory Snow Measurements for Improved Hydrological Modeling: A Case Study Enabled by the Coupled LIS/WRFâ€Hydro System. Water Resources Research, 2022, 58, .	4.2	12
2082	Does Increasing Horizontal Resolution Improve Seasonal Prediction of Indian Summer Monsoon?: A Climate Forecast System Model Perspective. Geophysical Research Letters, 2022, 49, .	4.0	3
2083	Effects of Topography and Latent Heat on the Evolution of a Mesoscale Dual-Core Southwest Vortex Over Sichuan Basin, China. Frontiers in Earth Science, 2022, 10, .	1.8	0
2084	Tracing Atmospheric Anthropogenic Black Carbon and Its Potential Radiative Response Over Panâ€Third Pole Region: A Synopticâ€Scale Analysis Using WRFâ€Chem. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	10
2085	Evaluation of convective cloud microphysics in numerical weather prediction models with dual-wavelength polarimetric radar observations: methods and examples. Atmospheric Measurement Techniques, 2022, 15, 1033-1054.	3.1	3
2086	Sensitivity of low-level clouds and precipitation to anthropogenic aerosol emission in southern West Africa: a DACCIWA case study. Atmospheric Chemistry and Physics, 2022, 22, 3251-3273.	4.9	3
2087	Filling Temporal Gaps within and between GRACE and GRACE-FO Terrestrial Water Storage Records: An Innovative Approach. Remote Sensing, 2022, 14, 1565.	4.0	12
2088	Numerical Modeling of the General Circulation of the Earth's Lower and Middle Atmosphere in Mid-January. Bulletin of the Russian Academy of Sciences: Physics, 2022, 86, 354-363.	0.6	0
2089	On the weakening association between South Asian Monsoon and Atlantic Multidecadal Oscillation. Climate Dynamics, 2022, 59, 2531-2547.	3.8	6
2090	Simulating land-atmosphere coupling in the Central Valley, California: Investigating soil moisture impacts on boundary layer properties. Agricultural and Forest Meteorology, 2022, 317, 108898.	4.8	6
2091	Why coupled general circulation models overestimate the ENSO and Indian Summer Monsoon Rainfall (ISMR) relationship?. Climate Dynamics, 2022, 59, 2995-3011.	3.8	3
2092	Impact of lidar data assimilation on planetary boundary layer wind and PM2.5 prediction in Taiwan. Atmospheric Environment, 2022, 277, 119064.	4.1	2
2093	Impacts of large-scale deployment of mountainous wind farms on wintertime regional air quality in the Beijing-Tian-Hebei area. Atmospheric Environment, 2022, 278, 119074.	4.1	3
2094	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. Remote Sensing of Environment, 2022, 274, 113001.	11.0	3
2095	A numerical simulation of a strong windstorm event in the Taebaek Mountain Region in Korea during the ICE-POP 2018. Atmospheric Research, 2022, 272, 106158.	4.1	5
2096	Influence of Hamoun Lakes' dry conditions on dust emission and radiative forcing over Sistan plain, Iran. Atmospheric Research, 2022, 272, 106152.	4.1	11
2097	WRF Rainfall Modeling Post-Processing by Adaptive Parameterization of Raindrop Size Distribution: A Case Study on the United Kingdom. Atmosphere, 2022, 13, 36.	2.3	1
2098	Uncertainty Characterization of Groundâ€Based, Satellite, and Reanalysis Snow Depth Products Using Extended Triple Collocation. Water Resources Research, 2022, 58,	4.2	6

#	Article	IF	Citations
2099	Development and evaluation of an advanced National Air Quality Forecasting Capability using the NOAA Global Forecast System version 16. Geoscientific Model Development, 2022, 15, 3281-3313.	3.6	8
2113	Improved runoff simulations for a highly varying soil depth and complex terrain watershed in the Loess Plateau with the Community Land Model version 5. Geoscientific Model Development, 2022, 15, 3405-3416.	3.6	1
2114	Revegetation Does Not Decrease Water Yield in the Loess Plateau of China. Geophysical Research Letters, 2022, 49, .	4.0	42
2115	Soil moisture estimation in South Asia via assimilation of SMAP retrievals. Hydrology and Earth System Sciences, 2022, 26, 2221-2243.	4.9	6
2116	Impact of Different Double-Moment Microphysical Schemes on Simulations of a Bow-Shaped Squall Line in East China. Atmosphere, 2022, 13, 667.	2.3	3
2117	The impact of air–sea coupling on the simulation of the hydroclimatic change over Peninsular Florida. Climate Dynamics, 2022, 59, 3763-3779.	3.8	1
2118	Assimilation of Radar Reflectivity Using a Timeâ€Lagged Ensemble Based Ensemble Kalman Filter With the "Cloudâ€Dependent―Background Error Covariances. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	2
2119	The Sensitivity of Downstream Ridge Building Forecasts to Upstream Warm Conveyor Belt Forecast Uncertainty using MPAS. Monthly Weather Review, 2022, , .	1.4	0
2120	Towards effective drought monitoring in the Middle East and North AfricaÂ(MENA) region: implications from assimilating leaf area index and soil moisture into the Noah-MP land surface model for Morocco. Hydrology and Earth System Sciences, 2022, 26, 2365-2386.	4.9	12
2121	Calibration of WRF Hydro for Bhagirathi Alaknanda Basin. International Journal of Engineering and Advanced Technology, 2022, 11, 24-29.	0.3	0
2122	Evaluation of evapotranspiration for exorheic basins in China using an improved estimate of terrestrial water storage change. Journal of Hydrology, 2022, 610, 127885.	5.4	17
2123	The sensitivities of ozone and PM2.5 concentrations to the satellite-derived leaf area index over East Asia and its neighboring seas in the WRF-CMAQ modeling system. Environmental Pollution, 2022, 306, 119419.	7.5	6
2124	Sub-seasonal Prediction of the South China Sea Summer Monsoon Onset in the NCEP Climate Forecast System Version 2. Advances in Atmospheric Sciences, 2022, 39, 1969-1981.	4.3	4
2125	Mesoscale Moisture Transport in Determining the Location of Daytime Convection Initiations Clustered in Time and Space over Southern China. Journal of Geophysical Research D: Atmospheres, 0, ,	3.3	1
2126	Impact of Inter-Annual Variation in Meteorology from 2010 to 2019 on the Inter-City Transport of PM2.5 in the Beijing–Tianjin–Hebei Region. Sustainability, 2022, 14, 6210.	3.2	2
2127	Impact of Urbanization on Meteorology and Air Quality in Chengdu, a Basin City of Southwestern China. Frontiers in Ecology and Evolution, 0, 10, .	2.2	6
2128	Understanding organic aerosols in BogotÃį, Colombia: In-situ observations and regional-scale modeling. Atmospheric Environment, 2022, 284, 119161.	4.1	1
2129	Computation and Analysis of an Offshore Wind Power Forecast: Towards a Better Assessment of Offshore Wind Power Plant Aerodynamics. Energies, 2022, 15, 4223.	3.1	4

#	Article	IF	CITATIONS
2130	The MONARCH high-resolution reanalysis of desert dust aerosol over Northern Africa, the Middle East and Europe (2007–2016). Earth System Science Data, 2022, 14, 2785-2816.	9.9	5
2131	Multiple same-level and telescoping nesting in GFDL's dynamical core. Geoscientific Model Development, 2022, 15, 4355-4371.	3.6	3
2132	Impact of Riverine Fresh Water on Indian Summer Monsoon: Coupling a Runoff Routing Model to a Global Seasonal Forecast Model. Frontiers in Climate, 0, 4, .	2.8	2
2133	Comparison of the Forecast Performance of WRF Using Noah and Noah-MP Land Surface Schemes in Central Asia Arid Region. Atmosphere, 2022, 13, 927.	2.3	3
2134	Diurnal impact of atmospheric stability on inter-farm wake and power generation efficiency at neighboring onshore wind farms in complex terrain. Energy Conversion and Management, 2022, 267, 115897.	9.2	23
2135	lsotopic composition and moisture sources of precipitation in midlatitude regions characterized by extratropical cyclones' route. Journal of Hydrology, 2022, 612, 128047.	5.4	3
2136	Influence of Vegetation on Simulation of the Water Balance and Hydrological Response to El Niño–Southern Oscillation in Western Tropical South America. Journal of Hydrometeorology, 2022, 23, 1737-1757.	1.9	3
2137	Improving Global Weather Prediction in GFDL SHiELD Through an Upgraded GFDL Cloud Microphysics Scheme. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	9
2138	On the Influences of Urbanization on the Extreme Rainfall over Zhengzhou on 20 July 2021: A Convection-Permitting Ensemble Modeling Study. Advances in Atmospheric Sciences, 2023, 40, 393-409.	4.3	18
2139	Irrigation characterization improved by the direct use of SMAP soil moisture anomalies within a data assimilation system. Environmental Research Letters, 2022, 17, 084006.	5.2	7
2140	A Central Asia hydrologic monitoring dataset for food and water security applications in Afghanistan. Earth System Science Data, 2022, 14, 3115-3135.	9.9	11
2141	Impact of Sea Breeze on the Transport of Ship Emissions: A Comprehensive Study in the Bohai Rim Region, China. Atmosphere, 2022, 13, 1094.	2.3	6
2142	Case Study of a Long-lived Tornadic Mesocyclone in a Low-CAPE Complex-terrain Environment. , 2009, 4, 1-29.		4
2144	Sensitivity of surface roughness parameters on the simulation of boundary layer winds over a complex terrain site Kaiga in western India. Meteorology and Atmospheric Physics, 2022, 134, .	2.0	1
2145	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. Science of the Total Environment, 2022, 847, 157530.	8.0	3
2147	Simulation of the effects of biomass burning in a mesoscale convective system in the central amazon. Atmospheric Research, 2022, 278, 106345.	4.1	1
2148	Simulation of the Effect of Smallâ€5cale Mountains on Weather Conditions During the May 2021 Ultramarathon in Gansu Province, China. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	0
2149	Thermal Stratification in the Air Basin over the Moscow Metropolis: Comparison of Model and Observational Data. Izvestiya - Atmospheric and Oceanic Physics, 2022, 58, 364-375.	0.9	0

#	Article	IF	CITATIONS
2150	Impact of reduced <scp>ENSO</scp> variability and amplitude on <scp>ISMR</scp> prediction in the longâ€lead forecasts of monsoon mission <scp>CFS</scp> . International Journal of Climatology, 2022, 42, 9166-9181.	3.5	4
2151	Examining the Role of the Land Surface on Convection Using Highâ€Resolution Model Forecasts Over the Southeastern United States. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	1
2152	Investigation of Ocean Sub-Surface Processes in Tropical Cyclone Phailin Using a Coupled Modeling Framework: Sensitivity to Ocean Conditions. Oceans, 2022, 3, 364-388.	1.3	5
2153	Aerosol-radiation interaction in the operational atmospheric chemistry model GRAPES_Meso5.1/CUACE and its impacts on mesoscale NWP in Beijing-Tianjin-Hebei, China. Atmospheric Research, 2022, 280, 106402.	4.1	7
2154	Reconstructing the Historical Terrestrial Water Storage Variations in the Huang–Huai–Hai River Basin With Consideration of Water Withdrawals. Frontiers in Environmental Science, 0, 10, .	3.3	0
2155	Climate change and Arenicola marina: Heat waves and the southern limit of an ecosystem engineer. Estuarine, Coastal and Shelf Science, 2022, 276, 108015.	2.1	5
2156	Assimilation of the pseudo-water vapor derived from extrapolated radar reflectivity to improve the forecasts of convective events. Atmospheric Research, 2022, 279, 106386.	4.1	2
2158	An Overview of Snow Water Equivalent: Methods, Challenges, and Future Outlook. Sustainability, 2022, 14, 11395.	3.2	4
2159	Understanding the impact of vegetation dynamics on the water cycle in the Noah-MP model. Frontiers in Water, 0, 4, .	2.3	0
2160	Thermal and energy benefits of rooftop photovoltaic panels in a semi-arid city during an extreme heatwave event. Energy and Buildings, 2022, 275, 112490.	6.7	4
2161	Improving Land-Surface Model Simulations in Irrigated Areas by Incorporating Soil Moisture–Based Irrigation Estimates in Community Land Model. Journal of Irrigation and Drainage Engineering - ASCE, 2022, 148, .	1.0	0
2162	Multi-depth evolution characteristics of soil moisture over the Tibetan Plateau in the past 70Âyears using reanalysis products. Frontiers in Environmental Science, 0, 10, .	3.3	3
2163	Sensitivity of Land Surface Processes and Its Variation during Contrasting Seasons over India. Atmosphere, 2022, 13, 1382.	2.3	2
2164	A comprehensive analysis of observed and projected climate extremes of temperature and precipitation in Belo Monte Hydropower Plant ―eastern Amazon, Brazil. International Journal of Climatology, 0, , .	3.5	1
2166	Correcting a 200Âkm Resolution Climate Model in Multiple Climates by Machine Learning From 25Âkm Resolution Simulations. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	9
2167	An Improved Sea Spray-Induced Heat Flux Algorithm and Its Application in the Case Study of Typhoon Mangkhut (2018). Journal of Marine Science and Engineering, 2022, 10, 1329.	2.6	1
2168	Evaluation of a Regional Ensemble Data Assimilation System for Typhoon Prediction. Advances in Atmospheric Sciences, 2022, 39, 1816-1832.	4.3	3
2169	Prediction and cause investigation of ozone based on a double-stage attention mechanism recurrent neural network. Frontiers of Environmental Science and Engineering, 2023, 17, .	6.0	5

#	Article	IF	CITATIONS
2170	The Extreme North African Haboob in October 2008: Highâ€resolution Simulation of Organized Moist Convection in the Lee of the Atlas, Dust Recirculation and Poleward Transport. Journal of Geophysical Research D: Atmospheres, 0, , .	3.3	1
2171	Role of Water Vapor Modulation From Multiple Pathways in the Occurrence of a Recordâ€Breaking Heavy Rainfall Event in China in 2021. Earth and Space Science, 2022, 9, .	2.6	5
2172	Evaluation of a Stand-Alone WRF-Hydro Modeling System Using Different Rainfall Forcing Data: Case Study Over the Godavari River Basin, India. Pure and Applied Geophysics, 2022, 179, 3807-3826.	1.9	2
2174	Can We Use the Water Budget to Infer Upland Catchment Behavior? The Role of Data Set Error Estimation and Interbasin Groundwater Flow. Water Resources Research, 2022, 58, .	4.2	11
2175	Improving Dynamic Vegetation Modeling in Noahâ€MP by Parameter Optimization and Data Assimilation over China's Loess Plateau. Journal of Geophysical Research D: Atmospheres, 0, , .	3.3	2
2176	Evaluation of gridded datasets for terrestrial water budget assessment in the Upper Jhelum River Basin-South Asia. Journal of Hydrology, 2022, 613, 128294.	5.4	9
2177	Can lidars assess wind plant blockage in simple terrain? A WRF-LES study. Journal of Renewable and Sustainable Energy, 0, , .	2.0	3
2178	Physical processes associated with movement of maximum wind of Typhoon Rammasun (2014). Frontiers of Earth Science, 2023, 17, 407-416.	2.1	1
2179	The Global/Regional Integrated Model System (GRIMs): an Update and Seasonal Evaluation. Asia-Pacific Journal of Atmospheric Sciences, 0, , .	2.3	1
2180	Simulation of Urban Heat Island during a High-Heat Event Using WRF Urban Canopy Models: A Case Study for Metro Manila. Atmosphere, 2022, 13, 1658.	2.3	4
2181	Cross-Examining Precipitation Products by Rain Gauge, Remote Sensing, and WRF Simulations over a South American Region across the Pacific Coast and Andes. Atmosphere, 2022, 13, 1666.	2.3	2
2182	Dynamic Downscaling the South Asian Summer Monsoon from a Global Reanalysis using a Regional Coupled Oceanâ€Atmosphere Model. Journal of Geophysical Research D: Atmospheres, 0, , .	3.3	2
2183	Climate change projections and impacts on the eucalyptus plantation around the Doce River basin, in Minas Gerais, Brazil. Climate Services, 2022, 28, 100327.	2.5	4
2184	Investigations on offshore wind turbine inflow modelling using numerical weather prediction coupled with local-scale computational fluid dynamics. Renewable and Sustainable Energy Reviews, 2023, 171, 113008.	16.4	8
2185	Influence of the upper gravity-wave damping layer on precipitation over complex terrain. Frontiers in Environmental Science, 0, 10, .	3.3	0
2186	Triple Collocation of Ground-, Satellite- and Land Surface Model-Based Surface Soil Moisture Products in Oklahoma—Part I: Individual Product Assessment. Remote Sensing, 2022, 14, 5641.	4.0	5
2187	Role of Land Surface Vegetation in the March of Indian Monsoon Onset Isochrones in a Coupled Model. Quarterly Journal of the Royal Meteorological Society, 0, , .	2.7	3
2188	Towards Ensemble-Based Kilometer-Scale Climate Simulations over the Third Pole Region. Climate Dynamics, 2023, 60, 4055-4081.	3.8	5

#	Article	IF	CITATIONS
2189	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. Geoscientific Model Development, 2022, 15, 7977-7999.	3.6	3
2190	Kinetic Energy Budgets during the Rapid Intensification of Typhoon Rammasun (2014). Advances in Atmospheric Sciences, 2023, 40, 78-94.	4.3	1
2191	Sustainable land use and viability of biojet fuels. Nature Sustainability, 2023, 6, 158-168.	23.7	9
2192	Precipitation biases and snow physics limitations drive the uncertainties in macroscale modeled snow water equivalent. Hydrology and Earth System Sciences, 2022, 26, 5721-5735.	4.9	6
2193	Estimation of soil moisture and soil temperature over India using the Noah multi-parameterisation land surface model. Modeling Earth Systems and Environment, 2023, 9, 1873-1889.	3.4	2
2194	Simulating the Impacts of Wind Farm Wake under the Changes in MYNN Planetary Boundary Layer Scheme in High Resolution Weather Research and Forecasting Model. Atmosphere, 2022, 13, 1838.	2.3	0
2195	Machine learning based estimation of field-scale daily, high resolution, multi-depth soil moisture for the Western and Midwestern United States. PeerJ, 0, 10, e14275.	2.0	2
2196	The setâ€up and evaluation of fineâ€scale data assimilation forÂthe urban climate of Amsterdam. Quarterly Journal of the Royal Meteorological Society, 2023, 149, 171-191.	2.7	3
2197	Impacts of the COVID-19 lockdown on atmospheric oxidizing capacity and secondary aerosol formation over the Beijing-Tianjin-Hebei region in Winter-Spring 2020. Atmospheric Environment, 2023, 295, 119540.	4.1	6
2198	Improving the estimation of snow depth in the Noah-MP model by combining particle filter and Bayesian model averaging. Journal of Hydrology, 2023, 617, 128877.	5.4	3
2199	Geospatial Weather Affected Terrain Conditions and Hazards (GeoWATCH) description and evaluation. Environmental Modelling and Software, 2023, 160, 105606.	4.5	3
2200	The effect of cross-scale modulation of synoptic systems by the cold air pool on autumn nighttime rainfall over Hainan Island. Atmospheric Research, 2023, 283, 106563.	4.1	0
2201	Coupled and Stand-Alone Regional Climate Modeling of Intensive Storms in Western Canada. Journal of Hydrologic Engineering - ASCE, 2023, 28, .	1.9	0
2202	Optimization of snow-related parameters in the Noah land surface model (v3.4.1) using a micro-genetic algorithm (v1.7a). Geoscientific Model Development, 2022, 15, 8541-8559.	3.6	3
2203	A New Sea Surface Roughness Parameterization and Its Application in Tropical Cyclone Modeling. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	1
2204	Estimation of OH in urban plumes using TROPOMI-inferred NO ₂ â^• CO. Atmospheric Chem and Physics, 2022, 22, 16053-16071.	istry 4.9	5
2205	Achieving Brazil's Deforestation Target Will Reduce Fire and Deliver Air Quality and Public Health Benefits. Earth's Future, 2022, 10, .	6.3	2
2206	Groundwater depletion in California's Central Valley accelerates during megadrought. Nature Communications, 2022, 13, .	12.8	22

ARTICLE IF CITATIONS Grid-based calibration of the WRF-Hydro with Noah-MP model with improved groundwater and 2207 5.4 6 transpiration process equations. Journal of Hydrology, 2023, 617, 128991. Improving the Operational Simplified Surface Energy Balance Evapotranspiration Model Using the 2208 Forcing and Normalizing Operation. Remote Sensing, 2023, 15, 260. Mechanism Analysis of a Wintertime Extreme Persistent Heavy Rainfall Event in Hainan Island. Journal 2209 3.3 0 of Geophysical Research D: Atmospheres, 0, , . Impacts of Direct Assimilation of the FY-4A/GIIRS Long-Wave Temperature Sounding Channel Data on 4.0 Forecasting Typhoon In-Fa (2021). Remote Sensing, 2023, 15, 355. A numerical study on the effects of a midlatitude upper-level trough on the track and intensity of 2211 1.8 0 Typhoon Bavi (2020). Frontiers in Earth Science, 0, 10, . Multi-model based soil moisture simulation approach under contrasting weather conditions. Journal 5.4of Hydrology, 2023, 617, 129112. Analysis of the critical components of flash drought using the standardized evaporative stress ratio. 2213 4.8 6 Agricultural and Forest Meteorology, 2023, 330, 109288. Improving snow albedo parameterization scheme based on remote sensing data. Atmospheric Research, 2214 4.1 2023, 284, 106602. Impact of Assimilating Conventional Observations on Short-Term Nearshore Wind Forecast over the 2215 2.3 0 East China Sea. Atmosphere, 2023, 14, 47. Biogenic isoprene emissions, dry deposition velocity, and surface ozone concentration during summer droughts, heatwaves, and normal conditions in southwestern Europe. Atmospheric Chemistry and Physics, 2023, 23, 1043-1071. Reconstructing spatiotemporal dynamics of mixed conifer and broadâ€leaved forests with a spatially 2217 1.5 1 explicit individualâ€based dynamic vegetation model. Ecological Research, 2023, 38, 465-478. Simulations of Mesoscale Flow Systems around Dugway Proving Ground Using the WRF Modeling 2.3 System. Atmosphere, 2023, 14, 251. Contribution of future urbanization to summer regional warming in the Pearl River Delta. Urban 2219 5.7 7 Climate, 2023, 49, 101476. Seasonal soil freeze/thaw variability across North America via ensemble land surface modeling. Cold Regions Science and Technology, 2023, 209, 103806. 2220 3.5 The combined effects of heterogeneous chemistry and aerosol-radiation interaction on severe haze simulation by atmospheric chemistry model in Middle-Eastern China. Atmospheric Environment, 2023, 2221 0 4.1 302, 119729. Impact of coronavirus-driven reduction in aerosols on precipitation in the western United States. Atmospheric Research, 2023, 288, 106732. Moisture sources and isotopic composition of a record-breaking heavy Meiyu-Baiu rainfall in 2223 4.1 3 southwestern Japan in early July 2020. Atmospheric Research, 2023, 286, 106693. Decadal Application of WRF/Chem under Future Climate and Emission Scenarios: Impacts of 2224 Technology-Driven Climate and Emission Changes on Regional Meteorology and Air Quality. 2.3 Atmosphere, 2023, 14, 225.

#	Article	IF	CITATIONS
2225	Description and evaluation of a newly developed emission inventory processing system (EMIPS). Science of the Total Environment, 2023, 870, 161909.	8.0	1
2226	Simulations of Summertime Ozone and PM2.5 Pollution in Fenwei Plain (FWP) Using the WRF-Chem Model. Atmosphere, 2023, 14, 292.	2.3	2
2227	Climate and Human Impacts on Hydrological Processes and Flood Risk in Southern Louisiana. Water Resources Research, 2023, 59, .	4.2	2
2228	Impacts of Agricultural Soil NO _x Emissions on O ₃ Over Mainland China. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	1
2229	Application of a satellite-retrieved sheltering parameterization (v1.0) for dust event simulation with WRF-Chem v4.1. Geoscientific Model Development, 2023, 16, 1009-1038.	3.6	4
2230	Impact of changes in refractive indices of secondary organic aerosols on precipitation over China during 1980â€ ⁸ 2019. Atmospheric Environment, 2023, 299, 119644.	4.1	1
2231	An Intensity and Size Phase Space for Tropical Cyclone Structure and Evolution. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	1
2232	Evaluation of a Deep Learning Approach for Predicting the Fraction of Transpirable Soil Water in Vineyards. Applied Sciences (Switzerland), 2023, 13, 2815.	2.5	0
2233	Effects of ocean states coupling on the simulated Super Typhoon Megi (2010) in the South China Sea. Frontiers in Marine Science, 0, 10, .	2.5	1
2234	Performance of three reanalyses in simulating the water table elevation in different shallow unconfined aquifers in Central Italy. Meteorological Applications, 2023, 30, .	2.1	0
2235	Evaluating a combined WRF and CityFFD method for calculating urban wind distributions. Building and Environment, 2023, 234, 110205.	6.9	4
2236	Leveraging Soil Moisture Assimilation in Permafrost Affected Regions. Remote Sensing, 2023, 15, 1532.	4.0	0
2237	A dynamic ammonia emission model and the online coupling with WRF–Chem (WRF–SoilN–Chem v1.0): development and regional evaluation in China. Geoscientific Model Development, 2023, 16, 1641-1659.	3.6	5
2238	Developing spin-up time framework for WRF extreme precipitation simulations. Journal of Hydrology, 2023, 620, 129443.	5.4	5
2239	Investigating the precipitation features of monsoon deep depressions over the Bay of Bengal using highâ€resolution standâ€alone and coupled simulations. Quarterly Journal of the Royal Meteorological Society, 0, , .	2.7	1
2240	Effects of Elevated Ozone Exposure on Regional Meteorology and Air Quality in China Through Ozoneâ€Vegetation Coupling. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	1
2241	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. Journal of Meteorological Research, 2023, 37, 45-57.	2.4	0
2242	A Comparative Study Between Regional Atmospheric Model Simulations Coupled and Uncoupled to a Regional Ocean Model of the Indian Summer Monsoon. Earth and Space Science, 2023, 10, .	2.6	1

#	Article	IF	CITATIONS
2243	Assessing methods for representing soil heterogeneity through a flexible approach within the Joint UK Land Environment Simulator (JULES) at version 3.4.1. Geoscientific Model Development, 2023, 16, 1875-1886.	3.6	0
2244	Comparison of different momentum control variables on assimilating radar observations for the forecasts of a dispersive convective event. Frontiers in Earth Science, 0, 11, .	1.8	0
2245	Development of a Dynamic Downscaling Method for Use in Short-Range Atmospheric Dispersion Modeling Near Nuclear Power Plants. Journal of Radiation Protection and Research, 2023, 48, 28-43.	0.6	0
2246	Predictive skill of extended range forecast of 2020–21 winter precipitation over North India. Meteorology and Atmospheric Physics, 2023, 135, .	2.0	0
2247	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. Quarterly Journal of the Royal Meteorological Society, 0, , .	2.7	0
2248	Evaluation of High Resolution WRF Solar. Energies, 2023, 16, 3518.	3.1	1
2249	Impact of Urbanization on Groundwater and Surface Temperature Changes: A Case Study of Lahore City. Sustainability, 2023, 15, 6864.	3.2	1
2250	The Thermal Conductivity and Matric Potential (Moisture Tension) Relationships for Soils of Different Gypsum Content. IOP Conference Series: Earth and Environmental Science, 2023, 1158, 022007.	0.3	0
2251	Impacts of land use and land cover changes on local meteorology and PM2.5 concentrations in Changchun, Northeast China. Atmospheric Research, 2023, 289, 106759.	4.1	4
2252	Assimilation of Blended Satellite Soil Moisture Data Products to Further Improve Noah-MP Model Skills. Journal of Hydrology, 2023, 621, 129596.	5.4	1
2253	Solar irradiance prediction in the tropics using a weather forecasting model. Japanese Journal of Applied Physics, 2023, 62, SK1050.	1.5	2
2254	Toward a Better Understanding of Wildfire Behavior in the Wildlandâ€Urban Interface: A Case Study of the 2021 Marshall Fire. Geophysical Research Letters, 2023, 50, .	4.0	5
2255	Modulations in the Indian Summer Monsoon–ENSO teleconnections by the North Tropical Atlantic. Climate Dynamics, 2023, 61, 4603-4622.	3.8	0
2256	The Impact of Radar Radial Velocity Data Assimilation Using WRF-3DVAR System with Different Background Error Length Scales on the Forecast of Super Typhoon Lekima (2019). Remote Sensing, 2023, 15, 2592.	4.0	0
2257	An assessment of the present hydroclimatic regime of the Madeira River basin using climate and hydrological models. Hydrological Sciences Journal, 0, , 1-20.	2.6	0
2258	Groundwater Depletion Rate Over China During 1965–2016: The Longâ€Term Trend and Interâ€annual Variation. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	7
2259	Impact of Ship Emissions on Air Quality in the Guangdong-Hong Kong-Macao Greater Bay Area (GBA): With a Particular Focus on the Role of Onshore Wind. Sustainability, 2023, 15, 8820.	3.2	0
2260	Creation and Verification of a High-Resolution Multi-Parameter Surface Meteorological Assimilation Dataset for the Tibetan Plateau for 2010–2020 Available Online. Remote Sensing, 2023, 15, 2906.	4.0	1

#	Article	IF	CITATIONS
2261	Evaluation of the Predicted Particle Properties (P3) Microphysics Scheme in Simulations of Stratiform Clouds with Embedded Convection. Advances in Atmospheric Sciences, 0, , .	4.3	0
2262	Improving the subseasonal variability of the Indian summer monsoon in a climate model. International Journal of Climatology, 0, , .	3.5	0
2263	A multiscale analysis of heatwaves and urban heat islands in the western U.S. during the summer of 2021. Scientific Reports, 2023, 13, .	3.3	2
2264	A performance evaluation of various physics schemes on the predictions of precipitation and temperature over the Tibet Autonomous Region of China. Atmospheric Research, 2023, 292, 106878.	4.1	2
2265	Impact of Gaseous Pollutants Reduction on Fine Particulate Matter and Its Secondary Inorganic Aerosols in Beijing–Tianjin–Hebei Region. Atmosphere, 2023, 14, 1027.	2.3	2
2266	Ensemble Estimation of Historical Evapotranspiration for the Conterminous U.S Water Resources Research, 2023, 59, .	4.2	1
2267	How does deforestation at different spatial scales affect the climate of the Amazon basin?. Climate Research, 0, , .	1.1	0
2268	Impacts of increasing greenhouse gas concentrations and deforestation on extreme rainfall events in the Amazon basin: A multiâ€model ensembleâ€based study. International Journal of Climatology, 2023, 43, 5512-5535.	3.5	0
2269	Lagrangian characterization of surface transport from the Equatorial Atlantic to the Caribbean Sea using climatological Lagrangian Coherent Structures and Selfâ€Organizing Maps. Journal of Geophysical Research: Oceans, 0, , .	2.6	0
2270	Assessing the impact of global warming on windstorms in the northeastern United States using the pseudo-global-warming method. Natural Hazards, 2023, 117, 2807-2834.	3.4	1
2271	Long-term uncertainty quantification in WRF-modeled offshore wind resource off the US Atlantic coast. Wind Energy Science, 2023, 8, 607-620.	3.3	2
2272	Combined effect of surface PM2.5 assimilation and aerosol-radiation interaction on winter severe haze prediction in central and eastern China. Atmospheric Pollution Research, 2023, 14, 101802.	3.8	1
2273	Impact of Global Warming on Tropical Cyclone Track and Intensity: A Numerical Investigation. Remote Sensing, 2023, 15, 2763.	4.0	0
2274	Quantifying the air quality impact of ship emissions in China's Bohai Bay. Marine Pollution Bulletin, 2023, 193, 115169.	5.0	3
2275	Comparison of GRACE/GRACE-FO Spherical Harmonic Coefficient and Mascon Products in Explaining the Influence of South-to-North Water Transfer Project on Water Reserves in the North China Plain. Water (Switzerland), 2023, 15, 2343.	2.7	0
2276	Effect of Cloud Seeding Using Hygroscopic Aerosol Particles on Artificial Rainfall Enhancement and Its Sensitivity Analysis in Spring 2021. Journal of Korean Society for Atmospheric Environment, 2023, 39, 335-350.	1.1	2
2277	Impacts of the land use and land-cover changes on local hydroclimate in southwestern Amazon. Climate Dynamics, 0, , .	3.8	0
2278	An ensemble of 48 physically perturbed model estimates of the 1â^•8° terrestrial water budget over the conterminous United States, 1980–2015. Earth System Science Data, 2023, 15, 2755-2780.	9.9	0

#	Article	IF	CITATIONS
2279	A turbulent orographic form drag scheme accounting for anisotropy and orientation for kilometer― to subkilometerâ€scale models. Quarterly Journal of the Royal Meteorological Society, 2023, 149, 2527-2549.	2.7	1
2280	Integration of a Groundwater Model to the Noah Land Surface Model for Aquiferâ€ s oil Interaction. Journal of Advances in Modeling Earth Systems, 2023, 15, .	3.8	0
2281	Large Scale Crop Water Footprint Evaluation Based on Remote Sensing Methods: A Case Study of Maize. Water Resources Research, 2023, 59, .	4.2	0
2282	The Role of Vertical Diffusion Parameterizations in the Dynamics and Accuracy of Simulated Intensifying Hurricanes. Boundary-Layer Meteorology, 2023, 188, 389-418.	2.3	1
2283	Increasing amounts of midwestern Tibetan Plateau vortices and their response to soil moisture distribution coupled with different synoptic systems. International Journal of Climatology, 0, , .	3.5	0
2284	Combining Microwave and Optical Remote Sensing to Characterize Global Vegetation Water Status. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-19.	6.3	0
2285	The Evaluation of Snow Depth Simulated by Different Land Surface Models in China Based on Station Observations. Sustainability, 2023, 15, 11284.	3.2	1
2286	Comparison of machine learning statistical downscaling and regional climate models for temperature, precipitation, wind speed, humidity and radiation over Europe under present conditions. International Journal of Climatology, 2023, 43, 6065-6082.	3.5	1
2287	Comprehensive Efficiency Evaluation of Aircraft Artificial Cloud Seeding in Hunan Province, China, Based on Numerical Simulation Catalytic Method. Atmosphere, 2023, 14, 1187.	2.3	0
2288	Superimposed effects of typical local circulations driven by mountainous topography and aerosol–radiation interaction on heavy haze in the Beijing–Tianjin–Hebei central and southern plains in winter. Atmospheric Chemistry and Physics, 2023, 23, 8325-8339.	4.9	0
2289	Role of the Thermodynamic Structure of the Inner Core in Predicting the Intensification of Hurricane Patricia (2015). Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	0
2290	Meteorological modeling sensitivity to parameterizations and satellite-derived surface datasets during the 2017 Lake Michigan Ozone Study. Atmospheric Chemistry and Physics, 2023, 23, 7935-7954.	4.9	0
2291	Subâ€Grid Representation of Vegetation Cover in Land Surface Schemes Improves the Modeling of How Climate Responds to Deforestation. Geophysical Research Letters, 2023, 50, .	4.0	0
2292	Plant-groundwater interactions in drylands: A review of current research and future perspectives. Agricultural and Forest Meteorology, 2023, 341, 109636.	4.8	9
2293	Diagnosing evapotranspiration responses to water deficit across biomes using deep learning. New Phytologist, 2023, 240, 968-983.	7.3	1
2294	Projections of Changes in Atmospheric Conditions Leading to Storm Surges along the Coast of Santos, Brazil. Climate, 2023, 11, 176.	2.8	0
2295	The Influence of the South-to-North Water-Diversion Project on Terrestrial Water-Storage Changes in Hebei Province. Water (Switzerland), 2023, 15, 3112.	2.7	0
2296	High-resolution air quality simulations of ozone exceedance events during the Lake Michigan Ozone Study. Atmospheric Chemistry and Physics, 2023, 23, 9613-9635.	4.9	0

#	Article	IF	CITATIONS
2297	Effects of Spring Dust Aerosols on Direct Radiative Forcing in China from 2000 to 2020. Remote Sensing, 2023, 15, 4564.	4.0	0
2298	An automated ash dispersion forecast system: case study Popocatépetl volcano, Mexico. Journal of Applied Volcanology, 2023, 12, .	2.0	0
2299	Understanding the Role of Sea Surface Temperature and Urbanization on Severe Thunderstorms Dynamics: A Case Study in Surabaya, Indonesia. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	0
2300	On the local warming potential of urban rooftop photovoltaic solar panels in cities. Scientific Reports, 2023, 13, .	3.3	3
2301	The High-resolution Intermediate Complexity Atmospheric Research (HICAR v1.1) model enables fast dynamic downscaling to the hectometer scale. Geoscientific Model Development, 2023, 16, 5049-5068.	3.6	0
2302	Sensitivity Analysis of the Land Surface Characteristic Parameters in Different Climatic Regions of the Loess Plateau. Atmosphere, 2023, 14, 1528.	2.3	0
2303	Terrain effect on atmospheric process in seasonal ozone variation over the Sichuan Basin, Southwest China. Environmental Pollution, 2023, 338, 122622.	7.5	1
2304	Nighttime ozone in the lower boundary layer: insights from 3-year tower-based measurements in South China and regional air quality modeling. Atmospheric Chemistry and Physics, 2023, 23, 13107-13124.	4.9	2
2305	Continental United States climate projections based on thermodynamic modification of historical weather. Scientific Data, 2023, 10, .	5.3	2
2306	Cycles‣: A Coupled, 3â€Ð, Land Surface, Hydrologic, and Agroecosystem Landscape Model. Water Resources Research, 2023, 59, .	4.2	0
2307	Modeling dust mineralogical composition: sensitivity to soil mineralogy atlases and their expected climate impacts. Atmospheric Chemistry and Physics, 2023, 23, 8623-8657.	4.9	3
2308	Satellite Observations and a Numerical Study of Recurring Atmospheric Gravity Waves Along the South China Sea Coast. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	0
2309	On the Electrification of Winter Season in Cold Climate Megacities—The Case of New York City. ASME Journal of Engineering for Sustainable Buildings and Cities, 2023, 4, .	0.9	1
2310	Modernizing the open-source community Noah with multi-parameterization options (Noah-MP) land surface model (version 5.0) with enhanced modularity, interoperability, and applicability. Geoscientific Model Development, 2023, 16, 5131-5151.	3.6	3
2311	Evaluating the utility of active microwave observations as a snow mission concept using observing system simulation experiments. Cryosphere, 2023, 17, 3915-3931.	3.9	1
2312	Transpiration – Soil evaporation partitioning determines inter-model differences in soil moisture and evapotranspiration coupling. Remote Sensing of Environment, 2023, 298, 113841.	11.0	0
2313	Spatio-temporal changes in global root zone soil moisture from 1981 to 2017. Journal of Hydrology, 2023, 626, 130297.	5.4	0
2314	Influence of the lowest model level height and vertical grid resolution on mesoscale meteorological modeling. Atmospheric Research, 2023, 296, 107066.	4.1	0

#	Article	IF	CITATIONS
2315	Heat waves in Florida and their future from highâ€resolution regional climate model integrations. International Journal of Climatology, 2023, 43, 7532-7548.	3.5	0
2316	Evapotranspiration From Developed Land and Urban Watersheds in a Humid Subtropical Climate. Water Resources Research, 2023, 59, .	4.2	0
2317	Evaluation of Subseasonal Precipitation Simulations for the Sao Francisco River Basin, Brazil. Climate, 2023, 11, 213.	2.8	0
2318	Assessing turbulence and mixing parameterizations in the gray-zone of multiscale simulations over mountainous terrain during the METEX21 field experiment. Frontiers in Earth Science, 0, 11, .	1.8	1
2319	An urban drainage scheme for large-scale flood models. Journal of Hydrology, 2023, 627, 130410.	5.4	0
2320	Differences in the Vertical Distribution of Aerosols, Nitrogen Dioxide, and Formaldehyde between Islands and Inland Areas: A Case Study in the Yangtze River Delta of China. Remote Sensing, 2023, 15, 5475.	4.0	0
2321	Climatic impacts of wind power in the relatively stable and unstable atmosphere: A case study in China during the explosive growth from 2009 to 2018. Journal of Cleaner Production, 2023, 429, 139569.	9.3	0
2322	Assimilation of airborne gamma observations provides utility for snow estimation in forested environments. Hydrology and Earth System Sciences, 2023, 27, 4039-4056.	4.9	0
2323	Moisture sources and isotopic composition of the 2020 extraordinary and persistent Meiyu rainfall in the Yangtze River valley modulated by large-scale circulations. Atmospheric Research, 2024, 297, 107114.	4.1	0
2324	Characterizing the <scp>Madden–Julian</scp> Oscillation in the western Pacific Ocean from a regional coupled ocean–atmosphere model simulation. Quarterly Journal of the Royal Meteorological Society, 2024, 150, 746-762.	2.7	0
2325	A modified vertical eddy diffusivity parameterization in the HWRF model based on large eddy simulations and its impact on the prediction of two landfalling hurricanes. Frontiers in Earth Science, 0, 11, .	1.8	0
2326	Modeling land-atmosphere energy and water exchanges in the typical alpine grassland in Tibetan Plateau using Noah-MP. Journal of Hydrology: Regional Studies, 2023, 50, 101596.	2.4	0
2327	Towards an Indian land data assimilation system (ILDAS): A coupled hydrologic-hydraulic system for water balance assessments. Journal of Hydrology, 2024, 629, 130604.	5.4	0
2328	Toward Optimization of Key Parameters in Noah-MP Surface Albedo Using Satellite Remote Sensing Products. Kongjian Kexue Xuebao, 2023, 43, 1135.	0.4	0
2329	A Study of the Influence of Environmental Factors on Water–Heat Exchange Process in Alpine Wetlands. Atmosphere, 2023, 14, 1802.	2.3	0
2330	Aerosol impacts on summer precipitation forecast over the North China Plain by using Thompson aerosol-aware scheme in WRF: Statistical analysis and significant threat score improvements in polluted condition during June to August 2018. Atmospheric Research, 2024, 299, 107177.	4.1	0
2331	Development of Operational NWP in Korea: Historical Perspective. Springer Atmospheric Sciences, 2023, , 37-62.	0.3	0
2332	Reducing Model Uncertainty in Physical Parameterizations: Combinational Optimizations Using Genetic Algorithm. Springer Atmospheric Sciences, 2023, , 179-202.	0.3	0

ARTICLE IF CITATIONS Impact of Assimilating Câ€Band Phasedâ€Array Radar Data With EnKF on the Forecast of Convection 2333 3.3 0 Initiation: A Case Study in Beijing, China. Journal of Geophysical Research D: Atmospheres, 2023, 128, . Processâ€Based Intercomparison of Water Isotopeâ€Enabled Models and Reanalysis Nudging Effects. 3.3 Journal of Geophysical Research D: Atmospheres, 2024, 129, . Understanding Rapid Intensification of Typhoon Mujigae in 2015: Insights From Kinetic and Potential 2336 0 3.3 Energy Budgets. Journal of Geophysical Research D: Atmospheres, 2024, 129, . An Online Assimilation Method to Improve the Numerical Forecast of Sea Fog Using Microwave Radiometerâ€Retrieved Cloud Water Path. Journal of Geophysical Research D. Atmospheres, 2024, 129, . Aerosol–meteorology feedback diminishes the transboundary transport of black carbon into the 2338 4.9 0 Tibetan Plateau. Atmospheric Chemistry and Physics, 2024, 24, 85-107. Intercomparison of Air Quality Models in a Megacity: Toward an Operational Ensemble Forecasting System for São Paulo. Journal of Geophysical Research D: Atmospheres, 2024, 129, . 2339 3.3 Integrating Ensemble Weather Predictions in a Hydrologic-Hydraulic Modelling System for Fine-Resolution Flood Forecasting: The Case of Skala Bridge at Evrotas River, Greece. Atmosphere, 2340 2.30 2024, 15, 120. Monsoon Mission Coupled Forecast System version 2.0: model description and Indian monsoon 2341 3.6 simulations. Geoscientific Model Development, 2024, 17, 709-729. Assessing the Sensitivity of Snow Depth Simulations to Land Surface Parameterizations within 2342 4.0 0 Noah-MP in Northern Xinjiang, China. Remote Sensing, 2024, 16, 594. Extending the utility of space-borne snow water equivalent observations over vegetated areas with 2343 data assimilation. Hydrology and Earth System Sciences, 2024, 28, 631-648. Are the Noah and Noah-MP land surface models accurate for frozen soil conditions?. Cold Regions 2344 0 3.5 Science and Technology, 2024, 220, 104149. Evaluating and Enhancing Snow Compaction Process in the Noahâ€MP Land Surface Model. Journal of 2345 3.8 Advances in Modeling Earth Systems, 2024, 16, . Improvement of Stable Atmospheric Boundary Simulation with High-Spatiotemporal-Resolution 2346 2.3 0 Nudging over the North China Plain. Atmosphere, 2024, 15, 277. Inclusion of the radiative effect of deep convective clouds in the Eta model simulations. Quarterly 2347 2.7 Journal of the Royal Meteorological Society, 0, , . Evaluation of atmospheric indicators in the Adriatic coastal areas: a multi-hazards approach for a 2348 0 2.8 better awareness of the current and future climate. Frontiers in Climate, 0, 6, . New particle formation induced by anthropogenic–biogenic interactions on the southeastern Tibetan Plateau. Atmospheric Chemistry and Physics, 2024, 24, 2535-2553. 2349 Modeling the transport of PM10, PM2.5, and O3 from South Asia to the Tibetan Plateau. Atmospheric 2350 4.1 0 Research, 2024, 303, 107323. Enhancing summer extreme precipitation prediction in the Yangtze River Basin through CWRF 3.8 downscaling and its skillful multi-physics ensemble approach. Climate Dynamics, 0, , .

#	Article	IF	CITATIONS
2352	California Case Study of Wildfires and Prescribed Burns: PM _{2.5} Emissions, Concentrations, and Implications for Human Health. Environmental Science & Technology, 2024, 58, 5210-5219.	10.0	0
2353	Evaluation of ERA5 and NCEP reanalysis climate models for precipitation and soil moisture over a semi-arid area in Kuwait. Climate Dynamics, 0, , .	3.8	0
2354	NYSolarCast: A solar power forecasting system for New York State. Solar Energy, 2024, 272, 112462.	6.1	0
2355	Evaluation of Retrospective National Water Model Soil Moisture and Streamflow for Droughtâ€Monitoring Applications. Journal of Geophysical Research D: Atmospheres, 2024, 129, .	3.3	0
2356	Spatial Inhomogeneity of Synopticâ€Induced Precipitation in a Region of Steep Topographic Relief: A Case Study. Journal of Geophysical Research D: Atmospheres, 2024, 129, .	3.3	0
2357	Urban Ecohydrology: Accounting for Subâ€Grid Lateral Water and Energy Transfers in a Land Surface Model. Water Resources Research, 2024, 60, .	4.2	0
2358	Improving the Asian dust storm prediction using WRF-Chem through combinational optimization of physical parameterization schemes. Atmospheric Environment, 2024, 326, 120461.	4.1	0
2359	Assessing the role of cold front passage and synoptic patterns on air pollution in the Korean Peninsula. Environmental Pollution, 2024, 348, 123803.	7.5	0
2360	Forecast accuracy and physics sensitivity in high-resolution simulations of precipitation events in summer 2022 by the Korean Integrated Model. Asia-Pacific Journal of Atmospheric Sciences, 0, , .	2.3	0