

CITATION REPORT

List of articles citing

Radiative transfer for inhomogeneous atmospheres:
RRTM, a validated correlated-k model for the longwave

DOI: 10.1029/97jd00237

Journal of Geophysical Research, 1997, 102, 16663-16682.

Source: <https://exaly.com/paper-pdf/28237981/citation-report.pdf>

Version: 2024-04-24

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

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

#	Paper	IF	Citations
2202	Modeling the radiative characteristics of airborne mineral aerosols at infrared wavelengths. <i>Journal of Geophysical Research</i> , 1998 , 103, 8813-8826		165
2201	Studying the effects of aerosols on vertical photolysis rate coefficient and temperature profiles over an urban airshed. <i>Journal of Geophysical Research</i> , 1998 , 103, 10593-10604		187
2200	A comparison of Antarctic stratospheric radiative heating rates calculated from high-resolution interferometer sounder and U.K. Meteorological Office data. <i>Journal of Geophysical Research</i> , 1998 , 103, 19691-19707		5
2199	Modeling clouds and radiation for the November 1997 period of SHEBA using a column climate model. <i>Journal of Geophysical Research</i> , 1999 , 104, 6661-6678		28
2198	Downwelling spectral radiance observations at the SHEBA ice station: Water vapor continuum measurements from 17 to 26 μ m. <i>Journal of Geophysical Research</i> , 1999 , 104, 2081-2092		97
2197	Improved application of exponential sum fitting transmissions to inhomogeneous atmosphere. <i>Journal of Geophysical Research</i> , 1999 , 104, 6291-6303		76
2196	Estimation of aerosol direct radiative effects over the mid-latitude North Atlantic from satellite and in situ measurements. 1999 , 26, 1731-1734		21
2195	Measurements of upper ocean heat and freshwater budgets near a drifting buoy in the equatorial Indian Ocean. <i>Journal of Geophysical Research</i> , 1999 , 104, 13269-13302		15
2194	Lower stratospheric radiative heating rates and sensitivities calculated from Antarctic balloon observations. <i>Journal of Geophysical Research</i> , 1999 , 104, 9293-9308		5
2193	An efficient and accurate correlated-k parameterization of infrared radiative transfer for troposphere-stratosphere-mesosphere GCMs. 2000 , 1, 151-152		
2192	Modified correlated k-distribution methods for remote sensing applications. 2000 , 64, 585-608		19
2191	Use of a neural-network-based long-wave radiative-transfer scheme in the ECMWF atmospheric model. 2000 , 126, 761-776		68
2190	Accounting for overlap of fractional cloud in infrared radiation. 2000 , 126, 3325-3342		12
2189	Radiative heating rates and direct radiative forcing by mineral dust in cloudy atmospheric conditions. <i>Journal of Geophysical Research</i> , 2000 , 105, 12207-12219		121
2188	Impact of an improved longwave radiation model, RRTM, on the energy budget and thermodynamic properties of the NCAR community climate model, CCM3. <i>Journal of Geophysical Research</i> , 2000 , 105, 14873-14890		291
2187	Improvements to the correlated-k radiative transfer method: Application to satellite infrared sounding. <i>Journal of Geophysical Research</i> , 2000 , 105, 18135-18156		19
2186	A correlated-k distribution scheme for overlapping gases suitable for retrieval of atmospheric constituents from moderate resolution radiance measurements in the visible/near-infrared spectral region. <i>Journal of Geophysical Research</i> , 2000 , 105, 15247-15261		50

2185	Intercomparison of Arctic regional climate simulations: Case studies of January and June 1990. <i>Journal of Geophysical Research</i> , 2000 , 105, 29669-29683	21
2184	Response of the seasonal carbon cycle in high latitudes to climate anomalies. <i>Journal of Geophysical Research</i> , 2000 , 105, 22897-22908	20
2183	An investigation of boundary-forcing sensitivities in a regional climate model. <i>Journal of Geophysical Research</i> , 2000 , 105, 26603-26617	9
2182	Mechanisms in the development of anomalous sea ice extent in the western Arctic: A case study. <i>Journal of Geophysical Research</i> , 2001 , 106, 28097-28105	25
2181	Simulation of arctic low-level clouds observed during the FIRE Arctic Clouds Experiment using a new bulk microphysics scheme. <i>Journal of Geophysical Research</i> , 2001 , 106, 15139-15154	23
2180	Radiative transfer in the summertime Arctic. <i>Journal of Geophysical Research</i> , 2001 , 106, 15173-15183	9
2179	GATOR-GCMM: A global- through urban-scale air pollution and weather forecast model: 1. Model design and treatment of subgrid soil, vegetation, roads, rooftops, water, sea ice, and snow. <i>Journal of Geophysical Research</i> , 2001 , 106, 5385-5401	133
2178	Comparison of surface radiative flux parameterizations. 2001 , 58, 1-18	139
2177	The Alaskan Arctic Frontal Zone: Forcing by Orography, Coastal Contrast, and the Boreal Forest. 2001 , 14, 4351-4362	42
2176	Doppler Cloud Radar Derived Drop Size Distributions in Liquid Water Stratus Clouds. 2001 , 58, 2895-2911	24
2175	Model Clouds over Oceans as Seen from Space: Comparison with HIRS/2 and MSU Radiances. 2001 , 14, 4216-4229	44
2174	Polar stratospheric cloud impacts on Antarctic stratospheric heating rates. 2001 , 127, 1645-1658	3
2173	Recognizing and Interpreting Biosignatures. 2002 , 2, 605-639	1
2172	A Prognostic Parameterization for the Subgrid-Scale Variability of Water Vapor and Clouds in Large-Scale Models and Its Use to Diagnose Cloud Cover. 2002 , 59, 1917-1942	296
2171	The Surface Downward Longwave Radiation in the ECMWF Forecast System. 2002 , 15, 1875-1892	44
2170	Assessment of the ECMWF Model Cloudiness and Surface Radiation Fields at the ARM SGP Site. 2002 , 130, 257-277	76
2169	Model Clouds as Seen from Space: Comparison with Geostationary Imagery in the 11- μ m Window Channel. 2002 , 130, 712-722	48
2168	Control of fossil-fuel particulate black carbon and organic matter, possibly the most effective method of slowing global warming. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 16-1	492

2167	Simulating summertime rainfall variability in the North American monsoon region: The influence of convection and radiation parameterizations. <i>Journal of Geophysical Research</i> , 2002 , 107, ACL 22-1-ACL 22-17	23
2166	Accounting for Unresolved Clouds in a 1D Infrared Radiative Transfer Model. Part I: Solution for Radiative Transfer, Including Cloud Scattering and Overlap. 2002 , 59, 3302-3320	62
2165	Accounting for Unresolved Clouds in a 1D Infrared Radiative Transfer Model. Part II: Horizontal Variability of Cloud Water Path. 2002 , 59, 3321-3339	26
2164	Preliminary estimate of calibration of the moderate resolution imaging spectroradiometer thermal infrared data using Lake Titicaca. 2002 , 80, 497-515	31
2163	Variational retrieval of cloud profile from ATOVS observations. 2002 , 128, 2511-2525	27
2162	Solar radiative biases in deep convective regimes: Possible implications for dynamical feedback. 2003 , 129, 1721-1730	5
2161	A case-study of an orographic cyclone south of the Alps during the MAP SOP. 2003 , 129, 1795-1818	65
2160	Simulation of satellite channel radiances in the Met Office Unified Model. 2003 , 129, 1169-1190	20
2159	A new formula for determining the atmospheric longwave flux at the ocean surface at mid-high latitudes. <i>Journal of Geophysical Research</i> , 2003 , 108,	40
2158	Comparing MM5 radiative fluxes with observations gathered during the 1995 and 1999 Nashville southern oxidants studies. <i>Journal of Geophysical Research</i> , 2003 , 108,	39
2157	Modeling clouds observed at SHEBA using a bulk microphysics parameterization implemented into a single-column model. <i>Journal of Geophysical Research</i> , 2003 , 108,	40
2156	Estimates of the spectral aerosol single scattering albedo and aerosol radiative effects during SAFARI 2000. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	74
2155	Evaluation of upper tropospheric water vapor in the NCAR Community Climate Model (CCM3) using modeled and observed HIRS radiances. <i>Journal of Geophysical Research</i> , 2003 , 108, ACL 1-1	43
2154	Downward longwave irradiance uncertainty under arctic atmospheres: Measurements and modeling. <i>Journal of Geophysical Research</i> , 2003 , 108,	50
2153	An optimal approach to overlapping bands with correlated k distribution method and its application to radiative calculations. <i>Journal of Geophysical Research</i> , 2003 , 108,	57
2152	Connections between the summer east African and Indian rainfall regimes. <i>Journal of Geophysical Research</i> , 2003 , 108,	60
2151	Evaluating aerosol/cloud/radiation process parameterizations with single-column models and Second Aerosol Characterization Experiment (ACE-2) cloudy column observations. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	35
2150	The Sensitivity of Precipitation and Snowpack Simulations to Model Resolution via Nesting in Regions of Complex Terrain. 2003 , 4, 1025-1043	119

2149	Intercomparison of Global Reanalyses and Regional Simulations of Cold Season Water Budgets in the Western United States. 2003 , 4, 1067-1087	27
2148	The 14 July 2001 hailstorm in northeastern Spain: diagnosis of the meteorological situation. 2003 , 67-68, 541-558	16
2147	Ozone concentrations and ultraviolet fluxes on Earth-like planets around other stars. 2003 , 3, 689-708	257
2146	The Sensitivity of Radiative Fluxes to Parameterized Cloud Microphysics. 2003 , 16, 2979-2996	22
2145	Development of a Land Surface Model. Part II: Data Assimilation. 2003 , 42, 1811-1822	112
2144	Evaluating Mesoscale Model Predictions of Clouds and Radiation with SGP ARM Data over a Seasonal Timescale. 2003 , 131, 926-944	31
2143	Hydroclimate of the Western United States Based on Observations and Regional Climate Simulation of 1981-2000. Part I: Seasonal Statistics. 2003 , 16, 1892-1911	118
2142	The Interface or Air-Sea Flux Component of the TOGA Coupled Ocean-Atmosphere Response Experiment and Its Impact on Subsequent Air-Sea Interaction Studies*. 2004 , 21, 223-257	24
2141	Impact of Urban Effects on Precipitation in High Latitudes. 2004 , 5, 409-429	78
2140	Simulating regional-scale ozone climatology over the eastern United States: model evaluation results. 2004 , 38, 2627-2638	77
2139	The sensitivity of simulated orographic precipitation to model components other than cloud microphysics. 2004 , 130, 1857-1875	15
2138	The role of stability and moisture in the diurnal cycle of convection over land. 2004 , 130, 3105-3117	74
2137	Numerical simulations of the 12-13 August 2002 flooding event in eastern Germany. 2004 , 130, 1921-1940	13
2136	Evolution of spectroscopic information over the last decade and its effect on line-by-line calculations for validation of radiation codes for climate models. 2004 , 86, 73-85	15
2135	Relationship between synoptic forcing and polynya formation in the Cosmonaut Sea: 2. Regional climate model simulations. <i>Journal of Geophysical Research</i> , 2004 , 109,	12
2134	A k-distribution technique for radiative transfer simulation in inhomogeneous atmosphere: 1. FKDM, fast k-distribution model for the longwave. <i>Journal of Geophysical Research</i> , 2004 , 109,	12
2133	Spectral absorption of solar radiation by aerosols during ACE-Asia. <i>Journal of Geophysical Research</i> , 2004 , 109,	44
2132	Simulating changes in regional air pollution over the eastern United States due to changes in global and regional climate and emissions. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a	192

2131	Simulation of the Earth's radiation budget by the European Centre for Medium-Range Weather Forecasts 40-year reanalysis (ERA40). <i>Journal of Geophysical Research</i> , 2004 , 109,	52
2130	A Revised Approach to Ice Microphysical Processes for the Bulk Parameterization of Clouds and Precipitation. 2004 , 132, 103-120	1656
2129	South Foehn in the Wipp Valley on 24 October 1999 (MAP IOP 10): Verification of High-Resolution Numerical Simulations with Observations. 2004 , 132, 78-102	45
2128	MM5 Modeling of the Madden-Julian Oscillation in the Indian and West Pacific Oceans: Model Description and Control Run Results. 2004 , 17, 1320-1337	23
2127	The QME AERI LBLRTM: A Closure Experiment for Downwelling High Spectral Resolution Infrared Radiance. 2004 , 61, 2657-2675	88
2126	The Effect of Latent Heat Release on the Evolution of a Warm Occluded Thermal Structure. 2004 , 132, 578-599	55
2125	Validating Model Clouds and Their Optical Properties Using Geostationary Satellite Imagery. 2004 , 132, 2006-2020	15
2124	Antarctic Clouds and Radiation within the NCAR Climate Models*. 2004 , 17, 1198-1212	21
2123	A Study of the Antarctic Surface Energy Budget Using a Polar Regional Atmospheric Model Forced with Satellite-Derived Cloud Properties. 2004 , 132, 654-661	7
2122	Clouds and Shortwave Fluxes at Nauru. Part II: Shortwave Flux Closure. 2004 , 61, 2602-2615	18
2121	Characterization of Upper-Troposphere Water Vapor Measurements during AFWEX Using LASE. 2004 , 21, 1790-1808	48
2120	Impact of a Digital Filter as a Weak Constraint in MM5 4DVAR: An Observing System Simulation Experiment. 2004 , 132, 543-559	29
2119	Implementation of an Urban Canopy Parameterization in a Mesoscale Meteorological Model. 2004 , 43, 1648-1665	66
2118	A Radiation Algorithm with Correlated-k Distribution. Part I: Local Thermal Equilibrium. 2005 , 62, 286-309	213
2117	The Alpine Mountain Plain Circulation: Airborne Doppler Lidar Measurements and Numerical Simulations. 2005 , 133, 3095-3109	55
2116	A New Double-Moment Microphysics Parameterization for Application in Cloud and Climate Models. Part II: Single-Column Modeling of Arctic Clouds. 2005 , 62, 1678-1693	82
2115	Influence of a Hailstreak on Boundary Layer Evolution. 2005 , 133, 942-960	9
2114	Wintertime Cold-Air Pools in the Bavarian Danube Valley Basin: Data Analysis and Idealized Numerical Simulations. 2005 , 44, 1950-1971	19

2113	A Parameterization of the Effective Layer Emission for Infrared Radiation Calculations. 2005 , 62, 531-541	15
2112	Estimating the Uncertainty in a Regional Climate Model Related to Initial and Lateral Boundary Conditions. 2005 , 18, 917-933	81
2111	MODIS-Derived Boundary Conditions for a Mesoscale Climate Model: Application to Irrigated Agriculture in the Euphrates Basin. 2005 , 133, 1727-1743	22
2110	The Effects of Satellite-Derived Vegetation Cover Variability on Simulated Land-Atmosphere Interactions in the NAMS. 2005 , 18, 21-40	59
2109	An inter-comparison of far-infrared line-by-line radiative transfer models. 2005 , 90, 323-341	27
2108	Atmospheric radiative transfer modeling: a summary of the AER codes. 2005 , 91, 233-244	1188
2107	Fast radiative transfer modeling for infrared imaging radiometry. 2005 , 95, 201-220	48
2106	Response of the Asian summer monsoon to changes in El Niño properties. 2005 , 131, 805-831	60
2105	Investigation of the sensitivity of the ECMWF radiation scheme to input parameters using the adjoint technique. 2005 , 131, 1975-1995	7
2104	Summer mistral at the exit of the Rhône valley. 2005 , 131, 353-375	55
2103	Parameterization of the absorption of the H ₂ O continuum, CO ₂ , O ₂ , and other trace gases in the Fu-Liou solar radiation program. 2005 , 22, 545-558	5
2102	Vertical Heat Transfer in the Lower Atmosphere over the Arctic Ocean During Clear-sky Periods. 2005 , 117, 37-71	9
2101	Influences of a Winter Wheat Belt on the Evolution of the Boundary Layer. 2005 , 133, 2178-2199	19
2100	Generation of African Easterly Wave Disturbances: Relationship to the African Easterly Jet. 2005 , 133, 1311-1327	92
2099	On the correlated k-distribution approximation in atmospheric calculations. 2005 , 44, 071202	2
2098	Southwest Indian Ocean SST Variability: Its Local Effect and Remote Influence on Asian Monsoons*. 2005 , 18, 4150-4167	188
2097	Impact of Indian Ocean Sea Surface Temperature on Developing El Niño*. 2005 , 18, 302-319	260
2096	Evaluation of Surface Sensible Weather Forecasts by the WRF and the Eta Models over the Western United States. 2005 , 20, 812-821	123

2095	Evaluation of Last Glacial Maximum sea surface temperature reconstructions through their influence on South American climate. <i>Journal of Geophysical Research</i> , 2005 , 110,	16
2094	Biosignatures from Earth-like planets around M dwarfs. 2005 , 5, 706-25	333
2093	A New Perspective on Southern Hemisphere Storm Tracks. 2005 , 18, 4108-4129	322
2092	Evaluation of temperature and wind over Antarctica in a Regional Atmospheric Climate Model using 1 year of automatic weather station data and upper air observations. <i>Journal of Geophysical Research</i> , 2005 , 110,	37
2091	Intercomparison of shortwave radiative transfer codes and measurements. <i>Journal of Geophysical Research</i> , 2005 , 110,	74
2090	Effects of bulk ice microphysics on the simulated monsoonal precipitation over east Asia. <i>Journal of Geophysical Research</i> , 2005 , 110,	18
2089	Formation of Extreme Cold-Air Pools in Elevated Sinkholes: An Idealized Numerical Process Study. 2005 , 133, 925-941	33
2088	One-Way Coupling of an Atmospheric and a Hydrologic Model in Colorado. 2006 , 7, 569-589	22
2087	South American climate during the Last Glacial Maximum: Delayed onset of the South American monsoon. <i>Journal of Geophysical Research</i> , 2006 , 111,	55
2086	Cloud radiative forcing at the Atmospheric Radiation Measurement Program Climate Research Facility: 1. Technique, validation, and comparison to satellite-derived diagnostic quantities. <i>Journal of Geophysical Research</i> , 2006 , 111,	39
2085	Cloud radiative forcing at the Atmospheric Radiation Measurement Program Climate Research Facility: 2. Vertical redistribution of radiant energy by clouds. <i>Journal of Geophysical Research</i> , 2006 , 111,	21
2084	Evaluating parameterizations of the autoconversion process using a single-column model and Atmospheric Radiation Measurement Program measurements. <i>Journal of Geophysical Research</i> , 2006 , 111,	7
2083	An assessment of ECMWF analyses and model forecasts over the North Slope of Alaska using observations from the ARM Mixed-Phase Arctic Cloud Experiment. <i>Journal of Geophysical Research</i> , 2006 , 111,	25
2082	Investigation of enhanced cross-city transport and trapping of air pollutants by coastal and urban land-sea breeze circulations. <i>Journal of Geophysical Research</i> , 2006 , 111,	81
2081	A new clear-sky downward longwave radiative flux parameterization for Arctic areas based on rawinsonde data. <i>Journal of Geophysical Research</i> , 2006 , 111,	15
2080	Impact of nonabsorbing anthropogenic aerosols on clear-sky atmospheric absorption. <i>Journal of Geophysical Research</i> , 2006 , 111,	86
2079	A New Vertical Diffusion Package with an Explicit Treatment of Entrainment Processes. 2006 , 134, 2318-2341	4015
2078	Principal component-based radiative transfer model for hyperspectral sensors: theoretical concept. 2006 , 45, 201-9	104

2077	Using Stochastically Generated Subcolumns to Represent Cloud Structure in a Large-Scale Model. 2006 , 134, 3644-3656	53
2076	The evolution of the global aerosol system in a transient climate simulation from 1860 to 2100. 2006 , 6, 3059-3076	65
2075	Remote Raman Spectroscopy. Profiling Water Vapor and Aerosols in the Troposphere Using Raman Lidars. 2006 ,	0
2074	High-Resolution Simulation of Hurricane Bonnie (1998). Part II: Water Budget. 2006 , 63, 43-64	67
2073	Sensitivity of Simulated Climate to Horizontal and Vertical Resolution in the ECHAM5 Atmosphere Model. 2006 , 19, 3771-3791	905
2072	Evaluation of the Hydrological Cycle in the ECHAM5 Model. 2006 , 19, 3810-3827	120
2071	An Application of Neural Network Technique to Correct the Dome Temperature Effects on Pyrogeometer Measurements. 2006 , 23, 80-89	13
2070	Four-Dimensional Variational Assimilation of Water Vapor Differential Absorption Lidar Data: The First Case Study within IHOP_2002. 2006 , 134, 209-230	51
2069	An Automated High-Resolution, Rapidly Relocatable Meteorological Nowcasting and Prediction System. 2006 , 134, 1237-1265	24
2068	Hurricane Juan (2003). Part II: Forecasting and Numerical Simulation. 2006 , 134, 1748-1771	13
2067	Will Perturbing Soil Moisture Improve Warm-Season Ensemble Forecasts? A Proof of Concept. 2006 , 134, 3174-3189	51
2066	Emission-Induced Nonlinearities in the Global Aerosol System: Results from the ECHAM5-HAM Aerosol-Climate Model. 2006 , 19, 3845-3862	61
2065	High-Resolution Simulation of Hurricane Bonnie (1998). Part I: The Organization of Eyewall Vertical Motion. 2006 , 63, 19-42	134
2064	Radiative Fluxes in the ECHAM5 General Circulation Model. 2006 , 19, 3792-3809	59
2063	Intercomparison of Arctic Regional Climate Models: Modeling Clouds and Radiation for SHEBA in May 1998. 2006 , 19, 4167-4178	50
2062	Sensitivity of Hurricane Intensity Forecast to Convective Momentum Transport Parameterization. 2006 , 134, 664-674	38
2061	The Thermal Circulation of a Grand Plateau: Sensitivity to the Height, Width, and Shape of the Plateau. 2006 , 134, 2581-2600	14
2060	An Assessment of ECMWF and NCEP-NCAR Reanalyses in the Southern Hemisphere at the End of the Presatellite Era: Results from the EOLE Experiment (1971-72). 2006 , 134, 3367-3383	15

2059	Water Vapor Transport and the Production of Precipitation in the Eastern Fertile Crescent. 2006 , 7, 1295-1307	35
2058	The effects of the choice of the k-interval number on radiative calculations. 2006 , 98, 31-43	54
2057	North foehn in the Austrian Inn Valley: A case study and idealized numerical simulations. 2006 , 91, 85-105	7
2056	Local foehn effects in the upper Isar Valley, Part 2: numerical simulations. 2006 , 91, 63-83	1
2055	Small-scale dynamics of the south foehn in the lower Wipp Valley. 2006 , 93, 79-95	7
2054	A comprehensive performance evaluation of MM5-CMAQ for the Summer 1999 Southern Oxidants Study episode Part I: Evaluation protocols, databases, and meteorological predictions. 2006 , 40, 4825-4838	136
2053	New methods for evaluating meteorological models used in air quality applications. 2006 , 40, 5073-5086	83
2052	Forward model and Jacobians for Tropospheric Emission Spectrometer retrievals. 2006 , 44, 1308-1323	75
2051	Examination of Convection-Allowing Configurations of the WRF Model for the Prediction of Severe Convective Weather: The SPC/NSSL Spring Program 2004. 2006 , 21, 167-181	160
2050	Evaluation of the NCEP Global Forecast System at the ARM SGP Site. 2006 , 134, 3668-3690	98
2049	On Improving 4-km Mesoscale Model Simulations. 2006 , 45, 361-381	93
2048	Effects of band division on radiative calculations. 2006 , 45, 016002	33
2047	The HAMMONIA Chemistry Climate Model: Sensitivity of the Mesopause Region to the 11-Year Solar Cycle and CO ₂ Doubling. 2006 , 19, 3903-3931	211
2046	A Hydrometeorological Modeling Study of a Flash-Flood Event over Catalonia, Spain. 2007 , 8, 282-303	45
2045	Urban Modification in a Mesoscale Model and the Effects on the Local Circulation in the Pearl River Delta Region. 2007 , 46, 457-476	99
2044	Challenges in Mesoscale Prediction of a Nocturnal Stratocumulus-Topped Marine Boundary Layer and Implications for Operational Forecasting. 2007 , 22, 1101-1122	8
2043	Possible Impact of the Indian Ocean SST on the Northern Hemisphere Circulation during El Niño*. 2007 , 20, 3164-3189	63
2042	Dynamics of the West African Monsoon under Mid-Holocene Precessional Forcing: Regional Climate Model Simulations. 2007 , 20, 694-716	67

2041	Climate and Vegetation in the Middle East: Interannual Variability and Drought Feedbacks. 2007 , 20, 3924-3941	46
2040	Mesoscale Numerical Weather Prediction Models Used in Support of Infrared Hyperspectral Measurement Simulation and Product Algorithm Development. 2007 , 24, 585-601	19
2039	Tests of Monte Carlo Independent Column Approximation in the ECHAM5 Atmospheric GCM. 2007 , 20, 4995-5011	19
2038	Summer Rainfall Forecast Spread in an Ensemble Initialized with Different Soil Moisture Analyses. 2007 , 22, 299-314	25
2037	A Study of the Energetics of African Easterly Waves Using a Regional Climate Model. 2007 , 64, 421-440	81
2036	A Sensitivity Study of the Effect of Horizontal Photon Transport on the Radiative Forcing of Contrails. 2007 , 64, 1706-1716	20
2035	Dynamics of the Shallow Meridional Circulation around Intertropical Convergence Zones. 2007 , 64, 2262-2285	40
2034	The Effect of Cumulus Cloud Field Anisotropy on Domain-Averaged Solar Fluxes and Atmospheric Heating Rates. 2007 , 64, 3499-3520	22
2033	Impact of Tropical Easterly Waves on the North American Monsoon. 2007 , 20, 1219-1238	21
2032	Regional Impact of an Elevated Heat Source: The Zagros Plateau of Iran. 2007 , 20, 4133-4146	43
2031	A Comparison of the Noah and OSU Land Surface Models in the ECPC Seasonal Forecast Model. 2007 , 8, 1031-1048	14
2030	Evaluation and Comparison of Noah and PleimXiu Land Surface Models in MM5 Using GTE2001 Data: Spatial and Temporal Variations in Near-Surface Air Temperature. 2007 , 46, 1587-1605	40
2029	Multiple-Radar Data Assimilation and Short-Range Quantitative Precipitation Forecasting of a Squall Line Observed during IHOP_2002. 2007 , 135, 3381-3404	114
2028	Interaction between Dynamics and Cloud Microphysics in Orographic Precipitation Enhancement: A High-Resolution Modeling Study of Two North Alpine Heavy-Precipitation Events. 2007 , 135, 2817-2840	38
2027	Influence of Initial Conditions on the WRFARW Model QPF Response to Physical Parameterization Changes. 2007 , 22, 501-519	48
2026	Biomarker response to galactic cosmic ray-induced NO _x and the methane greenhouse effect in the atmosphere of an Earth-like planet orbiting an M dwarf star. 2007 , 7, 208-21	66
2025	Comparative Analysis of the Western Arctic Surface Climate among Observations and Model Simulations. 2007 , 11, 1-24	6
2024	The effect of the total solar eclipse of 29 March 2006 on meteorological variables in Greece. 2007 ,	16

2023	The effect of the total solar eclipse of 29 March 2006 on meteorological variables in Greece. 2007 , 7, 5543-5553	81
2022	Mesoscale modelling of water vapour in the tropical UTLS: two case studies from the HIBISCUS campaign. 2007 , 7, 1471-1489	14
2021	A numerical study of tropical cross-tropopause transport by convective overshoots. 2007 , 7, 1731-1740	88
2020	Model sensitivity studies regarding the role of the retention coefficient for the scavenging and redistribution of highly soluble trace gases by deep convective cloud systems. 2007 , 7, 2027-2045	16
2019	Cloud microphysics and aerosol indirect effects in the global climate model ECHAM5-HAM. 2007 , 7, 3425-3446	333
2018	Aerosol absorption and radiative forcing. 2007 , 7, 5237-5261	211
2017	Parameterizations of physical processes. 563-609	
2016	Sensitivities of a Flash Flood Event over Catalonia: A Numerical Analysis. 2007 , 135, 651-669	29
2015	Surface Data Assimilation Using an Ensemble Kalman Filter Approach with Initial Condition and Model Physics Uncertainties. 2007 , 135, 1846-1868	104
2014	An Adaptive Vertical Coordinate Formulation for a Nonhydrostatic Model with Flux-Form Equations. 2007 , 135, 228-239	10
2013	A Study of Richardson Number and Instability in Moist Saturated Flow. 2007 , 50, 365-375	3
2012	Numerical simulation of severe convective phenomena over Croatian and Hungarian territory. 2007 , 83, 121-131	3
2011	Sensitivity of the MM5 mesoscale model to physical parameterizations for regional climate studies: Annual cycle. <i>Journal of Geophysical Research</i> , 2007 , 112,	58
2010	Mesoscale model performance with assimilation of wind profiler data: Sensitivity to assimilation parameters and network configuration. <i>Journal of Geophysical Research</i> , 2007 , 112,	9
2009	Relationship between Amazon and high Andes rainfall. <i>Journal of Geophysical Research</i> , 2007 , 112,	43
2008	A comparison of CMAQ-based aerosol properties with IMPROVE, MODIS, and AERONET data. <i>Journal of Geophysical Research</i> , 2007 , 112,	51
2007	A long-term regional simulation and observations of the hydroclimate in China. <i>Journal of Geophysical Research</i> , 2007 , 112,	58
2006	Diagnostic analyses of the ageostrophic vector in the non-uniformly saturated, frictionless, and moist adiabatic flow. <i>Journal of Geophysical Research</i> , 2007 , 112,	13

2005	Telescoping, multimodel approaches to evaluate extreme convective weather under future climates. <i>Journal of Geophysical Research</i> , 2007 , 112,	34
2004	Improved ground-based liquid water path retrievals using a combined infrared and microwave approach. <i>Journal of Geophysical Research</i> , 2007 , 112,	67
2003	A Combined Local and Nonlocal Closure Model for the Atmospheric Boundary Layer. Part II: Application and Evaluation in a Mesoscale Meteorological Model. 2007 , 46, 1396-1409	235
2002	Mesoscale Moisture Initialization for Monsoon and Hurricane Forecasts. 2007 , 135, 2716-2736	12
2001	The influence of an upper-level frontal zone on the Mack Lake Wildfire environment. 2007 , 14, 131-147	12
2000	Effect of the improvement of the HITRAN database on the radiative transfer calculation. 2007 , 108, 308-318	7
1999	The response of atmospheric chemistry on earthlike planets around F, G and K Stars to small variations in orbital distance. 2007 , 55, 661-671	82
1998	Reversed flow in the south-Alpine Toce Valley during MAP-IOP 8: Further analysis of latent cooling effects. 2007 , 133, 1717-1729	5
1997	Small-scale variability of orographic precipitation in the Alps: Case studies and semi-idealized numerical simulations. 2007 , 133, 1701-1716	17
1996	Tropical cyclogenesis sensitivity to environmental parameters in radiative-convective equilibrium. 2007 , 133, 2085-2107	115
1995	Coupling of the Weather Research and Forecasting Model with AERMOD for pollutant dispersion modeling. A case study for PM10 dispersion over Pune, India. 2007 , 41, 1976-1988	92
1994	A heavy sea fog event over the Yellow Sea in March 2005: Analysis and numerical modeling. 2007 , 24, 65-81	69
1993	Divergence of turbulent fluxes in the surface layer: case of a coastal city. 2007 , 124, 269-290	23
1992	Multimodel based superensemble forecasts for short and medium range NWP over various regions of Africa. 2007 , 95, 87-113	20
1991	The exceptional Alpine south foehn event of 14-16 November 2002: a case study. 2007 , 98, 217-238	9
1990	Identifying the Trans-Boundary Transport of Air Pollutants to the City of Istanbul Under Specific Weather Conditions. 2008 , 189, 279-289	9
1989	Sensitivity of atmospheric dispersion simulations by HYSPLIT to the meteorological predictions from a meso-scale model. 2008 , 8, 367-387	22
1988	Total deformation and its role in heavy precipitation events associated with deformation-dominant flow patterns. 2008 , 25, 11-23	12

1987	The program structure designing and optimizing tests of GRAPES physics. 2008 , 53, 3470-3476	17
1986	Variations in the lower level of the PBL associated with the Yellow Sea fog-new observations by L-band radar. 2008 , 7, 353-361	10
1985	The WRF model performance for the simulation of heavy precipitating events over Ahmedabad during August 2006. 2008 , 117, 589-602	25
1984	Evaluation of MM5 mesoscale model at local scale for air quality applications over the Swedish west coast: Influence of PBL and LSM parameterizations. 2008 , 99, 77-103	25
1983	The impact of the PBL scheme and the vertical distribution of model layers on simulations of Alpine foehn. 2008 , 99, 105-128	22
1982	An evaluation of Arctic cloud and radiation processes during the SHEBA year: simulation results from eight Arctic regional climate models. 2008 , 30, 203-223	60
1981	Three-dimensional radiative transfer in midlatitude cirrus clouds. 2008 , 134, 199-215	9
1980	Impact of land-surface roughness on surface winds during hurricane landfall. 2008 , 134, 1051-1057	15
1979	Understanding the local and global impacts of model physics changes: an aerosol example. 2008 , 134, 1479-1497	82
1978	Modelling regional climate changes: influences of recent global warming and irrigation in California. 2008 , 28, 1201-1212	7
1977	A k-distribution-based radiation code and its computational optimization for an atmospheric general circulation model. 2008 , 109, 2779-2793	194
1976	Warming the early earth—CO ₂ reconsidered. 2008 , 56, 1244-1259	75
1975	A revised, hazy methane greenhouse for the Archean Earth. 2008 , 8, 1127-37	266
1974	Simulated effects of climate change on summertime nitrogen deposition in the eastern US. 2008 , 42, 2074-2082	9
1973	A comprehensive sensitivity analysis of the WRF model for air quality applications over the Iberian Peninsula. 2008 , 42, 8560-8574	199
1972	Diagnostic analysis of the asymmetric structure of the simulated landfalling typhoon Haitang. 2008 , 18, 1249-1260	4
1971	Development and Testing of Polar Weather Research and Forecasting (WRF) Model. Part I: Greenland Ice Sheet Meteorology*. 2008 , 136, 1971-1989	156
1970	Trace gas and aerosol interactions in the fully coupled model of aerosol-chemistry-climate ECHAM5-HAMMOZ: 1. Model description and insights from the spring 2001 TRACE-P experiment. <i>Journal of Geophysical Research</i> , 2008 , 113,	63

1969	Trace gas and aerosol interactions in the fully coupled model of aerosol-chemistry-climate ECHAM5-HAMMOZ: 2. Impact of heterogeneous chemistry on the global aerosol distributions. <i>Journal of Geophysical Research</i> , 2008 , 113,	34
1968	On the information content of the thermal infrared cooling rate profile from satellite instrument measurements. <i>Journal of Geophysical Research</i> , 2008 , 113,	7
1967	Abrupt rainfall transitions over the Greater Horn of Africa: Observations and regional model simulations. <i>Journal of Geophysical Research</i> , 2008 , 113,	49
1966	Assessment of three dynamical climate downscaling methods using the Weather Research and Forecasting (WRF) model. <i>Journal of Geophysical Research</i> , 2008 , 113,	257
1965	Development of the online MM5 tracer model and its applications to air pollution episodes in Istanbul, Turkey and Sahara dust transport. <i>Journal of Geophysical Research</i> , 2008 , 113,	8
1964	Variations of the residual circulation in the Northern Hemispheric winter. <i>Journal of Geophysical Research</i> , 2008 , 113,	17
1963	Modeling dust emissions and transport within Europe: The Ukraine March 2007 event. <i>Journal of Geophysical Research</i> , 2008 , 113,	47
1962	Atmosphere/vegetation feedbacks: A mechanism for abrupt climate change over northern Africa. <i>Journal of Geophysical Research</i> , 2008 , 113,	41
1961	Simulation and parameterization of the turbulent transport in the hurricane boundary layer by large eddies. <i>Journal of Geophysical Research</i> , 2008 , 113,	60
1960	Modeling the large-scale water balance impact of different irrigation systems. 2008 , 44,	32
1959	Uncertainty analysis for satellite derived sensible heat fluxes and scintillometer measurements over Savannah environment and comparison to mesoscale meteorological simulation results. 2008 , 148, 656-667	38
1958	Seasonal temperature responses to land-use change in the western United States. 2008 , 60, 250-264	88
1957	Increased sensitivity of tropical cyclogenesis to wind shear in higher SST environments. 2008 , 35,	52
1956	Understanding ozone depletion: Measurements and models. 2008 , 46, 15-37	5
1955	Predicted impacts of climate and land use change on surface ozone in the Houston, Texas, area. <i>Journal of Geophysical Research</i> , 2008 , 113,	73
1954	A method for continuous estimation of clear-sky downwelling longwave radiative flux developed using ARM surface measurements. <i>Journal of Geophysical Research</i> , 2008 , 113,	59
1953	Radiative forcing by long-lived greenhouse gases: Calculations with the AER radiative transfer models. <i>Journal of Geophysical Research</i> , 2008 , 113,	2260
1952	Aircraft measurements of spectral surface albedo and its consistency with ground-based and space-borne observations. <i>Journal of Geophysical Research</i> , 2008 , 113,	40

1951	Remote sensing of tropical tropopause layer radiation balance using A-train measurements. <i>Journal of Geophysical Research</i> , 2008 , 113,	5
1950	Noise due to the Monte Carlo independent-column approximation: short-term and long-term impacts in ECHAM5. 2008 , 134, 481-495	17
1949	Numerical Analysis of a Mediterranean Hurricane Over Southeastern Italy. 2008 , 136, 4373-4397	62
1948	Impacts of High-Resolution Land Surface Initialization on Regional Sensible Weather Forecasts from the WRF Model. 2008 , 9, 1249-1266	54
1947	Infrared Radiance Modeling by Optimal Spectral Sampling. 2008 , 65, 3917-3934	77
1946	Suitability of the Weather Research and Forecasting (WRF) Model to Predict the June 2005 Fire Weather for Interior Alaska. 2008 , 23, 953-973	36
1945	How Well Do Regional Climate Models Reproduce Radiation and Clouds in the Arctic? An Evaluation of ARCMIP Simulations. 2008 , 47, 2405-2422	96
1944	Changes in Water Vapor Transport and the Production of Precipitation in the Eastern Fertile Crescent as a Result of Global Warming. 2008 , 9, 1390-1401	14
1943	A Study of the Characteristics and Assimilation of Retrieved MODIS Total Precipitable Water Data in Severe Weather Simulations. 2008 , 136, 3608-3628	21
1942	A Snow-Ratio Equation and Its Application to Numerical Snowfall Prediction. 2008 , 23, 644-658	17
1941	The Impact of Aircraft Dropsonde and Satellite Wind Data on Numerical Simulations of Two Landfalling Tropical Storms during the Tropical Cloud Systems and Processes Experiment. 2008 , 23, 62-79	51
1940	Estimation of the Minimum Canopy Resistance for Croplands and Grasslands Using Data from the 2002 International H2O Project. 2008 , 136, 4452-4469	40
1939	Genesis of Tropical Storm Eugene (2005) from Merging Vortices Associated with ITCZ Breakdowns. Part I: Observational and Modeling Analyses. 2008 , 65, 3419-3439	31
1938	The Vertical Structure of Cloud Occurrence and Radiative Forcing at the SGP ARM Site as Revealed by 8 Years of Continuous Data. 2008 , 21, 2591-2610	46
1937	Sensitivity of the PBL and Precipitation in 12-Day Simulations of Warm-Season Convection Using Different Land Surface Models and Soil Wetness Conditions. 2008 , 136, 2321-2343	57
1936	Application of an Adiabatic WRF Adjoint to the Investigation of the May 2004 McMurdo, Antarctica, Severe Wind Event. 2008 , 136, 3696-3713	25
1935	Turbulent Mixing Processes in Atmospheric Bores and Solitary Waves Deduced from Profiling Systems and Numerical Simulation. 2008 , 136, 1373-1400	48
1934	Impact of Atmospheric Infrared Sounder Data on the Numerical Simulation of a Historical Mumbai Rain Event. 2008 , 23, 891-913	23

1933	The Operational Mesogamma-Scale Analysis and Forecast System of the U.S. Army Test and Evaluation Command. Part I: Overview of the Modeling System, the Forecast Products, and How the Products Are Used. 2008 , 47, 1077-1092	76
1932	The Effect of Mesoscale Heterogeneity on the Genesis and Structure of Mesovortices within Quasi-Linear Convective Systems. 2008 , 136, 4220-4241	35
1931	The Effects of Complex Terrain on Severe Landfalling Tropical Cyclone Larry (2006) over Northeast Australia. 2008 , 136, 4334-4354	21
1930	Sensitivity of Numerical Simulation of Early Rapid Intensification of Hurricane Emily (2005) to Cloud Microphysical and Planetary Boundary Layer Parameterizations. 2008 , 136, 4819-4838	121
1929	A Low-Level Circulation in the Tropics. 2008 , 65, 1019-1034	23
1928	Evaluation of Limited-Area Models for the Representation of the Diurnal Cycle and Contrasting Nights in CASES-99. 2008 , 47, 869-887	87
1927	A Numerical Study of the Track Deflection of Supertyphoon Haitang (2005) Prior to Its Landfall in Taiwan. 2008 , 136, 598-615	62
1926	Sensitivity of WRF Forecasts for South Florida to Initial Conditions. 2008 , 23, 725-740	24
1925	Impact of a New Radiation Package, McRad, in the ECMWF Integrated Forecasting System. 2008 , 136, 4773-4798	227
1924	Comparison of WRF Model-Simulated and MODIS-Derived Cloud Data. 2008 , 136, 1957-1970	112
1923	Impact of TMI SST on the Simulation of a Heavy Rainfall Episode over Mumbai on 26 July 2005. 2008 , 136, 3714-3741	14
1922	Study of the development of the sea breeze and its micro-scale structure at a coastal site using a Multi-Tone Sodar system. 2008 , 1, 012054	
1921	Some Practical Considerations Regarding Horizontal Resolution in the First Generation of Operational Convection-Allowing NWP. 2008 , 23, 931-952	309
1920	Applications of lagrangian dispersion modeling to the analysis of changes in the specific absorption of elemental carbon. 2008 , 8, 1377-1389	68
1919	Online-coupled meteorology and chemistry models: history, current status, and outlook. 2008 , 8, 2895-2932	200
1918	The Impact of Nudging in the Meteorological Model for Retrospective Air Quality Simulations. Part I: Evaluation against National Observation Networks. 2008 , 47, 1853-1867	89
1917	Sensitivity modeling study for an ozone occurrence during the 1996 Paso Del Norte Ozone Campaign. 2008 , 5, 181-203	11
1916	Some observational and modeling studies of the atmospheric boundary layer at Mississippi gulf coast for air pollution dispersion assessment. 2008 , 5, 484-97	14

1915	A New Method for Representing Mixed-phase Particle Fall Speeds in Bulk Microphysics Parameterizations. 2008 , 86A, 33-44	86
1914	Sensitivity of Numerical Simulations of the Early Rapid Intensification of Hurricane Emily to Cumulus Parameterization Schemes in Different Model Horizontal Resolutions. 2009 , 87, 403-421	37
1913	A snowmelt runoff forecasting model coupling WRF and DHSVM. 2009 , 13, 1897-1906	44
1912	Warm Paleocene/Eocene climate as simulated in ECHAM5/MPI-OM. 2009 , 5, 785-802	74
1911	Solar and wind energy resources and prediction. 2009 , 1, 043105	19
1910	Impact of variational assimilation of MODIS thermodynamic profiles in the simulation of western disturbance. 2009 , 30, 4867-4887	22
1909	A Neural Network for Real-Time Retrievals of PWV and LWP From Arctic Millimeter-Wave Ground-Based Observations. 2009 , 47, 1887-1900	36
1908	The Effect of Error Growth and Propagation on the Predictability of Quantitative Precipitation in a Cloud-Resolving Model. 2009 , 2, 79-84	2
1907	Numerical Simulations of the Impacts of the Saharan Air Layer on Atlantic Tropical Cyclone Development. 2009 , 22, 6230-6250	32
1906	Thermally Driven Flows at an Asymmetric Valley Exit: Observations and Model Studies at the Lech Valley Exit. 2009 , 137, 3437-3455	4
1905	Effects of Initial Soil Moisture on Rainfall Generation and Subsequent Hydrologic Response during the North American Monsoon. 2009 , 10, 644-664	48
1904	Sensitivity Study of Cloud-Resolving Convective Simulations with WRF Using Two Bulk Microphysical Parameterizations: Ice-Phase Microphysics versus Sedimentation Effects. 2009 , 48, 61-76	44
1903	A Numerical Case Study on the Initiation of the Madden-Julian Oscillation. 2009 , 66, 310-331	61
1902	Large-Eddy Simulation of Moist Convection during a Cold Air Outbreak over the Gulf Stream. 2009 , 66, 1274-1293	18
1901	Analysis of Idealized Tropical Cyclone Simulations Using the Weather Research and Forecasting Model: Sensitivity to Turbulence Parameterization and Grid Spacing. 2009 , 137, 745-765	60
1900	Value of Real-Time Vegetation Fraction to Forecasts of Severe Convection in High-Resolution Models. 2009 , 24, 187-210	19
1899	Comparison of Methods Used to Generate Probabilistic Quantitative Precipitation Forecasts over South America. 2009 , 24, 319-336	14
1898	An Indirect Data Assimilation Scheme for Deep Soil Temperature in the PleimXiu Land Surface Model. 2009 , 48, 1362-1376	82

1897	Validation of a Large-Scale Simulated Brightness Temperature Dataset Using SEVIRI Satellite Observations. 2009 , 48, 1613-1626	50
1896	The Role of Typhoon Songda (2004) in Producing Distantly Located Heavy Rainfall in Japan*. 2009 , 137, 3699-3716	60
1895	Study of Regional-Scale Boundary Layer Characteristics over Northern India with a Special Reference to the Role of the Thar Desert in Regional-Scale Transport. 2009 , 48, 2377-2402	14
1894	Evaluation of WRF Forecasts of Tornadoic and Nontornadoic Outbreaks When Initialized with Synoptic-Scale Input. 2009 , 137, 1250-1271	37
1893	Understanding Satellite-Observed Mountain-Wave Signatures Using High-Resolution Numerical Model Data. 2009 , 24, 76-86	25
1892	Impacts of Soil Heating Condition on Precipitation Simulations in the Weather Research and Forecasting Model. 2009 , 137, 2263-2285	21
1891	Convection-Permitting Simulations of the Environment Supporting Widespread Turbulence within the Upper-Level Outflow of a Mesoscale Convective System. 2009 , 137, 1972-1990	48
1890	Potential Vorticity Diagnosis of a Tropopause Polar Cyclone. 2009 , 137, 1358-1371	38
1889	Evaluation of Planetary Boundary Layer Parameterizations in Tropical Cyclones by Comparison of In Situ Observations and High-Resolution Simulations of Hurricane Isabel (2003). Part I: Initialization, Maximum Winds, and the Outer-Core Boundary Layer. 2009 , 137, 3651-3674	152
1888	A High-Resolution Simulation of Asymmetries in Severe Southern Hemisphere Tropical Cyclone Larry (2006). 2009 , 137, 4171-4187	9
1887	Modeling Mesoscale Cellular Structures and Drizzle in Marine Stratocumulus. Part II: The Microphysics and Dynamics of the Boundary Region between Open and Closed Cells. 2009 , 66, 3257-3275	101
1886	Experiments of Hurricane Initialization with Airborne Doppler Radar Data for the Advanced Research Hurricane WRF (AHW) Model. 2009 , 137, 2758-2777	47
1885	Theoretical Assessment of Uncertainty in Regional Averages due to Network Density and Design. 2009 , 48, 1643-1666	14
1884	A New Land Surface Hydrology within the Noah-WRF Land-Atmosphere Mesoscale Model Applied to Semiarid Environment: Evaluation over the Dantiandou Kori (Niger). 2009 , 2009, 1-13	9
1883	Simulation of a Serial Upstream-Propagating Mesoscale Convective System Event over Southeastern South America Using Composite Initial Conditions. 2009 , 137, 2144-2163	9
1882	Urban Flow and Dispersion Simulation Using a CFD Model Coupled to a Mesoscale Model. 2009 , 48, 1667-1681	77
1881	Effect of the Andes Cordillera on Precipitation from a Midlatitude Cold Front. 2009 , 137, 3092-3109	61
1880	A Comparison of Precipitation Forecast Skill between Small Convection-Allowing and Large Convection-Parameterizing Ensembles. 2009 , 24, 1121-1140	164

1879	Temporal Changes in Wind as Objects for Evaluating Mesoscale Numerical Weather Prediction. 2009 , 24, 1374-1389	4
1878	Synoptic- and Frontal-Scale Influences on Tropical Transition Events in the Atlantic Basin. Part II: Tropical Transition of Hurricane Karen. 2009 , 137, 3626-3650	11
1877	Parameterization of Shortwave and Longwave Radiative Properties of Ice Clouds for Use in Climate Models. 2009 , 22, 6287-6312	33
1876	Discrete Frontal Propagation over the Sierra-Cascade Mountains and Intermountain West. 2009 , 137, 2000-2020	13
1875	Objective Classification of Tornadic and Nontornadic Severe Weather Outbreaks. 2009 , 137, 4355-4368	35
1874	An Ensemble-Based Four-Dimensional Variational Data Assimilation Scheme. Part II: Observing System Simulation Experiments with Advanced Research WRF (ARW). 2009 , 137, 1687-1704	92
1873	An Examination of WRF 3DVAR Radar Data Assimilation on Its Capability in Retrieving Unobserved Variables and Forecasting Precipitation through Observing System Simulation Experiments. 2009 , 137, 4011-4029	62
1872	Impacts of Satellite-Observed Winds and Total Precipitable Water on WRF Short-Range Forecasts over the Indian Region during the 2006 Summer Monsoon. 2009 , 24, 1706-1731	33
1871	Impact of Airborne Doppler Radar Data Assimilation on the Numerical Simulation of Intensity Changes of Hurricane Dennis near a Landfall. 2009 , 66, 3351-3365	49
1870	Simulation of 2006 monsoon using T170L42 AGCM: sensitivity to convective parameterization schemes. 2009 , 29, 289-303	5
1869	The surface radiation budget over North America: gridded data assessment and evaluation of regional climate models. 2009 , 29, 2226-2240	30
1868	Effects of the air-sea coupling time frequency on the ocean response during Mediterranean intense events. 2009 , 59, 539-549	8
1867	The impact of weak synoptic forcing on the valley-wind circulation in the Alpine Inn Valley. 2009 , 105, 37-53	11
1866	Intercomparison of the performance of MM5/WRF with and without satellite data assimilation in short-range forecast applications over the Indian region. 2009 , 105, 133-155	26
1865	Regional climate model simulation of the AMMA Special Observing Period #3 and the pre-Helene easterly wave. 2009 , 105, 191-210	13
1864	Sensitivity of MM5 and WRF mesoscale model predictions of surface winds in a typhoon to planetary boundary layer parameterizations. 2009 , 51, 63-77	29
1863	Mesoscale Structure of Trade Wind Convection over Puerto Rico: Composite Observations and Numerical Simulation. 2009 , 132, 289-313	20
1862	Quantifying the sensitivity of simulated climate change to model configuration. 2009 , 92, 275-298	14

1861	Evaluation of a WRF dynamical downscaling simulation over California. 2009 , 95, 499-521	185
1860	Mesoscale Meteorological Simulations of Summer Ozone Episodes in Mexicali and Monterrey, Mexico: Analysis of Model Sensitivity to Grid Resolution and Parameterization Schemes. 2009 , 9, 185-202	6
1859	Potential Threats from a Likely Nuclear Power Plant Accident: a Climatological Trajectory Analysis and Tracer Study. 2009 , 198, 393-405	6
1858	Track prediction of very severe cyclone Nargis using high resolution weather research forecasting (WRF) model. 2009 , 118, 309-329	36
1857	A simulation study of short-range atmospheric dispersion for hypothetical air-borne effluent releases using different turbulent diffusion methods. 2009 , 2, 21-28	5
1856	Impacts of weather conditions modified by urban expansion on surface ozone: Comparison between the Pearl River Delta and Yangtze River Delta regions. 2009 , 26, 962-972	89
1855	Evaluation of the Weather Research and Forecasting model on forecasting low-level jets: implications for wind energy. 2009 , 12, 81-90	154
1854	Two-way one-dimensional high-resolution air-sea coupled modelling applied to Mediterranean heavy rain events. 2009 , 135, 187-204	23
1853	The diabatic heat budget of the upper troposphere and lower/mid stratosphere in ECMWF reanalyses. 2009 , 135, 21-37	83
1852	Morphology and evolution of cold-frontal mesocyclones. 2009 , 135, 381-393	21
1851	Water vapour variability induced by urban/rural surface heterogeneities during convective conditions. 2009 , 135, 1266-1276	9
1850	The benefit of GPS zenith delay assimilation to high-resolution quantitative precipitation forecasts: a case-study from COPS IOP 9. 2009 , 135, 1788-1800	33
1849	Effect of changes of the HITRAN database on transmittance calculations in the near-infrared region. 2009 , 110, 247-255	11
1848	An improved treatment of overlapping absorption bands based on the correlated k distribution model for thermal infrared radiative transfer calculations. 2009 , 110, 435-451	18
1847	Cloud Microphysics Impact on Hurricane Track as Revealed in Idealized Experiments. 2009 , 66, 1764-1778	67
1846	A simulation study of mesoscale coastal circulations in Mississippi Gulf coast. 2009 , 91, 9-25	45
1845	Assessment of the WRF model in reproducing a flash-flood heavy rainfall event over Korea. 2009 , 93, 818-831	95
1844	Toward snowfall retrieval over land by combining satellite and in situ measurements. <i>Journal of Geophysical Research</i> , 2009 , 114,	25

1843	Simulation of atmospheric dispersion of elevated releases from point sources in Mississippi Gulf Coast with different meteorological data. 2009 , 6, 1055-74	15
1842	Development and testing of Polar Weather Research and Forecasting model: 2. Arctic Ocean. <i>Journal of Geophysical Research</i> , 2009 , 114,	103
1841	Impacts of vegetation and groundwater dynamics on warm season precipitation over the Central United States. <i>Journal of Geophysical Research</i> , 2009 , 114,	93
1840	WRF and GISS SCM simulations of convective updraft properties during TWP-ICE. <i>Journal of Geophysical Research</i> , 2009 , 114,	42
1839	Influence of cloud condensation and giant cloud condensation nuclei on the development of precipitating trade wind cumuli in a large eddy simulation. <i>Journal of Geophysical Research</i> , 2009 , 114,	30
1838	On the late northward propagation of the West African monsoon in summer 2006 in the region of Niger/Mali. <i>Journal of Geophysical Research</i> , 2009 , 114,	12
1837	NO ₂ columns in the western United States observed from space and simulated by a regional chemistry model and their implications for NO _x emissions. <i>Journal of Geophysical Research</i> , 2009 , 114,	131
1836	Ocean tidal cooling effect on summer sea fog over the Okhotsk Sea. <i>Journal of Geophysical Research</i> , 2009 , 114,	32
1835	Impacts of aerosols on the development and precipitation of a mesoscale squall line. <i>Journal of Geophysical Research</i> , 2009 , 114,	58
1834	Numerical high-resolution air-sea coupling over the Gulf of Lions during two tramontane/mistral events. <i>Journal of Geophysical Research</i> , 2009 , 114,	44
1833	Atmospheric inverse estimates of methane emissions from Central California. <i>Journal of Geophysical Research</i> , 2009 , 114,	87
1832	Interpreting discrepancies between discharge and precipitation in high-altitude area of Chile's Norte Chico region (26B2°S). 2009 , 45,	122
1831	Evaluating the Influence of Antecedent Soil Moisture on Variability of the North American Monsoon Precipitation in the Coupled MM5/VIC Modeling System. 2009 , 2,	14
1830	Injection in the lower stratosphere of biomass fire emissions followed by long-range transport: a MOZIC case study. 2009 , 9, 5829-5846	33
1829	Performance of the line-by-line radiative transfer model (LBLRTM) for temperature and species retrievals: IASI case studies from JAIVEx. 2009 , 9, 7397-7417	72
1828	Simulation of the climate impact of Mt. Pinatubo eruption using ECHAM5 [Part 1: Sensitivity to the modes of atmospheric circulation and boundary conditions. 2009 , 9, 757-769	35
1827	Aerosol size-dependent below-cloud scavenging by rain and snow in the ECHAM5-HAM. 2009 , 9, 4653-4675	104
1826	Comparisons of WRF/Chem simulations in Mexico City with ground-based RAMA measurements during the 2006-MILAGRO. 2009 , 9, 3777-3798	58

1825	The impact of MM5 and WRF meteorology over complex terrain on CHIMERE model calculations. 2009 , 9, 6611-6632	49
1824	The extrasolar planet Gliese 581d: a potentially habitable planet?. 2010 , 522, A23	53
1823	Impacts of transported background ozone on California air quality during the ARCTAS-CARB period \square multi-scale modeling study. 2010 , 10, 6947-6968	60
1822	The WRF Model Forecast-Derived Low-Level Wind Shear Climatology over the United States Great Plains. 2010 , 3, 258-276	42
1821	Accurate and Fast Neural Network Emulations of Model Radiation for the NCEP Coupled Climate Forecast System: Climate Simulations and Seasonal Predictions*. 2010 , 138, 1822-1842	35
1820	Simulation of low clouds in the Southeast Pacific by the NCEP GFS: sensitivity to vertical mixing. 2010 , 10, 12261-12272	24
1819	Impacts of HONO sources on the photochemistry in Mexico City during the MCMA-2006/MILAGO Campaign. 2010 , 10, 6551-6567	172
1818	Climate impact on airborne particulate matter concentrations in California using seven year analysis periods. 2010 , 10, 11097-11114	41
1817	Influences of in-cloud aerosol scavenging parameterizations on aerosol concentrations and wet deposition in ECHAM5-HAM. 2010 , 10, 1511-1543	82
1816	Tropospheric aerosol size distributions simulated by three online global aerosol models using the M7 microphysics module. 2010 , 10, 6409-6434	17
1815	An investigation of the sub-grid variability of trace gases and aerosols for global climate modeling. 2010 , 10, 6917-6946	49
1814	Turbulence associated with mountain waves over Northern Scandinavia \square case study using the ESRAD VHF radar and the WRF mesoscale model. 2010 , 10, 3583-3599	29
1813	Modelling microphysical and meteorological controls on precipitation and cloud cellular structures in Southeast Pacific stratocumulus. 2010 , 10, 6347-6362	80
1812	Radar data assimilation for the simulation of mesoscale convective systems. 2010 , 27, 1025-1042	13
1811	Validation of a limited area model over Dome C, Antarctic Plateau, during winter. 2010 , 34, 61-72	53
1810	Northern African climate at the end of the twenty-first century: an integrated application of regional and global climate models. 2010 , 35, 193-212	108
1809	The Madden-Julian oscillation wind-convection coupling and the role of moisture processes in the MM5 model. 2010 , 35, 435-447	6
1808	The transition from the present-day climate to a modern Snowball Earth. 2010 , 35, 887-905	54

1807	Coupled weather research and forecasting (WRFBTILT) model. 2010 , 107, 51-64	124
1806	Mountain-valley precipitation differences in the northern Alps: an exemplary high-resolution modeling study. 2010 , 108, 29-42	9
1805	Impact of horizontal diffusion, radiation and cloudiness parameterization schemes on fog forecasting in valleys. 2010 , 108, 57-70	21
1804	Impact of assimilation of conventional and satellite meteorological observations on the numerical simulation of a Bay of Bengal Tropical Cyclone of November 2008 near Tamilnadu using WRF model. 2010 , 110, 19-44	40
1803	Global warming impact on the dominant precipitation processes in the Middle East. 2010 , 99, 389-402	60
1802	A numerical study on severe downslope windstorms occurred on 5 April 2005 at Gangneung and Yangyang, Korea. 2010 , 46, 155-172	8
1801	Observation system experiments for Typhoon Jangmi (200815) observed during T-PARC. 2010 , 46, 305-316	10
1800	Verification of cloud cover forecast with INSAT observation over western India. 2010 , 119, 775-781	10
1799	Numerical simulation of the genesis of typhoon Durian (2001) over the South China Sea: The effect of sea surface temperature. 2010 , 9, 99-115	3
1798	The effect of the East China Sea Kuroshio Front on the marine atmospheric boundary layer. 2010 , 9, 210-218	4
1797	Downward transport and modification of tropospheric ozone through moist convection. 2010 , 65, 13-35	26
1796	Comparison of Observed, MM5 and WRF-NMM Model-Simulated, and HPAC-Assumed Boundary-Layer Meteorological Variables for 3 Days During the IHOP Field Experiment. 2010 , 134, 285-306	21
1795	A Large-Eddy Simulation Study of the Influence of Subsidence on the Stably Stratified Atmospheric Boundary Layer. 2010 , 134, 1-21	15
1794	Data Assimilation Strategies in the Planetary Boundary Layer. 2010 , 137, 237-269	17
1793	Testing GISS-MM5 physics configurations for use in regional impacts studies. 2010 , 99, 567-587	9
1792	Downscaling extreme month-long anomalies in southern South America. 2010 , 98, 379-403	43
1791	The simulation of heavy rainfall episode over Mumbai: impact of horizontal resolutions and cumulus parameterization schemes. 2010 , 52, 117-142	12
1790	A severe sea-effect snow episode over the city of Istanbul. 2010 , 54, 707-723	23

1789	Weather regimes and orographic circulation around New Caledonia. 2010 , 61, 413-31	39
1788	A full year evaluation of the CALIOPE-EU air quality modeling system over Europe for 2004. 2010 , 44, 3322-3342	63
1787	Assessment of air quality benefits from national air pollution control policies in China. Part I: Background, emission scenarios and evaluation of meteorological predictions. 2010 , 44, 3442-3448	53
1786	Simulating chemistry-aerosol-cloud-radiation-climate feedbacks over the continental U.S. using the online-coupled Weather Research Forecasting Model with chemistry (WRF/Chem). 2010 , 44, 3568-3582	167
1785	Sensitivity of biogenic secondary organic aerosols to future climate change at regional scales: An online coupled simulation. 2010 , 44, 4891-4907	24
1784	Impact of environmental flows on the daytime urban boundary layer structures over the Baltimore metropolitan region. 2010 , 11, n/a-n/a	4
1783	Effects of urbanization on the land sea breeze circulation over the Pearl River Delta region in winter. 2010 , 30, 1089-1104	37
1782	Effect of land use changes on local meteorological conditions in Jakarta, Indonesia: toward the evaluation of the thermal environment of megacities in Asia. 2010 , 30, 1931-1941	20
1781	Efficient radiative transfer simulations for a broadband infrared radiometer-Combining a weighted mean of representative frequencies approach with frequency selection by simulated annealing. 2010 , 111, 602-615	23
1780	Revision of convection, radiation and cloud schemes in the ECMWF integrated forecasting system. 2010 , 126, 1685-1710	156
1779	The effect of indiscriminate nudging time on large and small scales in regional climate modelling: Application to the Mediterranean basin. 2010 , 136, 170-182	43
1778	Dynamical kernel of the Aladin-IFS spectral limited-area model: Revised formulation and sensitivity experiments. 2010 , 136, 155-169	94
1777	Modelling convective processes during the suppressed phase of a Madden-Julian oscillation: Comparing single-column models with cloud-resolving models. 2010 , 136, 333-353	17
1776	Summer monsoon convection in the Himalayan region: terrain and land cover effects. 2010 , 136, n/a-n/a	63
1775	The ECMWF model climate: recent progress through improved physical parametrizations. 2010 , 136, 1145-1160	70
1774	Impact of cloud and radiation scheme modifications on climate simulated by the ECHAM5 atmospheric GCM. 2010 , 136, 1733-1752	14
1773	Three-dimensional variational data assimilation of ozone and fine particulate matter observations: some results using the Weather Research and Forecasting-Chemistry model and Grid-point Statistical Interpolation. 2010 , 136, 2013-2024	75
1772	Thermodynamic control of tropical cyclogenesis in environments of radiative-convective equilibrium with shear. 2010 , 136, 1954-1971	51

1771	Effects of soil moisture gradients on the path and the intensity of a West African squall line. 2010 , 136, 2162-2175	20
1770	. 2010 , 62, 319-332	29
1769	Environmental modeling, technology, and communication for land falling tropical cyclone/hurricane prediction. 2010 , 7, 1937-52	3
1768	Sensitivity of the Community Multiscale Air Quality (CMAQ) model v4.7 results for the eastern United States to MM5 and WRF meteorological drivers. 2010 , 3, 169-188	46
1767	Fog Prediction from a Multimodel Mesoscale Ensemble Prediction System. 2010 , 25, 303-322	93
1766	Orography-Induced Gravity Wave Drag Parameterization in the Global WRF: Implementation and Sensitivity to Shortwave Radiation Schemes. 2010 , 2010, 1-8	9
1765	The multi-scale aerosol-climate model PNNL-MMF: model description and evaluation. 2010 ,	2
1764	The global middle-atmosphere aerosol model MAECHAM5-SAM2: comparison with satellite and in-situ observations. 2010 ,	
1763	Evaluating the Snow Crystal Size Distribution and Density Assumptions within a Single-Moment Microphysics Scheme. 2010 , 138, 4254-4267	22
1762	The effect of a strong stellar flare on the atmospheric chemistry of an earth-like planet orbiting an M dwarf. 2010 , 10, 751-71	255
1761	Contribution of Land Use Changes to Near-Surface Air Temperatures during Recent Summer Extreme Heat Events in the Phoenix Metropolitan Area. 2010 , 49, 1649-1664	138
1760	Distinguishing Developing Versus Non-Developing African Easterly Waves Using Adaptive Observational Strategies. 2010 , 33, 356-377	1
1759	The Role of Entrainment in the Diurnal Cycle of Continental Convection. 2010 , 23, 2722-2738	110
1758	Performance Assessment of New Land Surface and Planetary Boundary Layer Physics in the WRF-ARW. 2010 , 49, 760-774	105
1757	A multi-resolution assessment of the Community Multiscale Air Quality (CMAQ) Model v4.7 wet deposition estimates for 2002-2006. 2010 ,	6
1756	Growth of Spread in Convection-Allowing and Convection-Parameterizing Ensembles. 2010 , 25, 594-612	44
1755	Indian Summer Monsoon Precipitation Climatology in a High-Resolution Regional Climate Model: Impacts of Convective Parameterization on Systematic Biases. 2010 , 25, 369-387	95
1754	The Formation of Multiple Squall Lines and the Impacts of WSR-88D Radial Winds in a WRF Simulation. 2010 , 25, 242-262	3

1753	Performance of a Mesoscale Ensemble Kalman Filter (EnKF) during the NOAA High-Resolution Hurricane Test. 2010 , 138, 4375-4392	71
1752	The Role of Diurnal Solenoidal Circulation on Propagating Rainfall Episodes near the Eastern Tibetan Plateau. 2010 , 138, 2975-2989	39
1751	Some Characteristics of Time Interpolation Errors for Fluid Flows. 2010 , 27, 1255-1262	2
1750	Simulation and Interpretation of the Genesis of Tropical Storm Gert (2005) as Part of the NASA Tropical Cloud Systems and Processes Experiment. 2010 , 67, 999-1025	38
1749	Surface Wind Regionalization over Complex Terrain: Evaluation and Analysis of a High-Resolution WRF Simulation. 2010 , 49, 268-287	79
1748	Genesis of PreHurricane Felix (2007). Part I: The Role of the Easterly Wave Critical Layer. 2010 , 67, 1711-1729	78
1747	Evaluation of WRF Model Output for Severe Weather Forecasting from the 2008 NOAA Hazardous Weather Testbed Spring Experiment. 2010 , 25, 408-427	51
1746	A Numerical Study of Clear-Air Turbulence (CAT) Encounters over South Korea on 2 April 2007. 2010 , 49, 2381-2403	43
1745	Overlap of Solar and Infrared Spectra and the Shortwave Radiative Effect of Methane. 2010 , 67, 2372-2389	14
1744	Idealized Simulations of the Intertropical Convergence Zone and Its Multilevel Flows. 2010 , 67, 4028-4053	28
1743	Genesis of Typhoon Chanchu (2006) from a Westerly Wind Burst Associated with the MJO. Part I: Evolution of a Vertically Tilted Precursor Vortex. 2010 , 67, 3774-3792	21
1742	Evaluation of WRF Model Simulations of Tornadic and Nontornadic Outbreaks Occurring in the Spring and Fall. 2010 , 138, 4098-4119	23
1741	Evaluation of Planetary Boundary Layer Scheme Sensitivities for the Purpose of Parameter Estimation. 2010 , 138, 3400-3417	66
1740	Numerical Investigations on the Formation of Tropical Storm Debby during NAMMA-06. 2010 , 25, 866-884	11
1739	Anthropogenic Moisture Effects on WRF Summertime Surface Temperature and Mixing Ratio Forecast Skill In Southern California. 2010 , 25, 1522-1535	9
1738	Assimilation of Tropical Cyclone Track and Structure Based on the Ensemble Kalman Filter (EnKF). 2010 , 67, 3806-3822	52
1737	Atmospheric Effects of the Kuroshio Large Meander during 200405*. 2010 , 23, 4704-4715	52
1736	Evolutionary Optimization of an Ice Accretion Forecasting System. 2010 , 138, 2913-2929	15

1735	The Roles of Surface-Observation Ensemble Assimilation and Model Complexity for Nowcasting of PBL Profiles: A Factor Separation Analysis. 2010 , 25, 1670-1690	15
1734	Spatial and Temporal Scales of Boundary Layer Wind Predictability in Response to Small-Amplitude Land Surface Uncertainty. 2010 , 67, 217-233	10
1733	Cloud-System-Resolving Model Simulations of Tropical Cloud Systems Observed during the Tropical Warm Pool-International Cloud Experiment. 2010 , 138, 55-73	22
1732	Environmental Controls on the Simulated Diurnal Cycle of Warm-Season Precipitation in the Continental United States. 2010 , 67, 1066-1090	64
1731	Preliminary Study of California Wintertime Model Wet Bias. 2010 , 138, 3556-3571	10
1730	On the Use of Two-Dimensional Incompressible Flow to Study Secondary Eyewall Formation in Tropical Cyclones. 2010 , 67, 3765-3773	13
1729	A Case Study of the Mechanics of Extratropical Influence on the Initiation of the Madden-Julian Oscillation. 2010 , 67, 515-528	79
1728	A Modeling Case Study of Mixed-Phase Clouds over the Southern Ocean and Tasmania. 2010 , 138, 839-862	19
1727	Global Distribution and Characteristics of Diurnally Varying Low-Level Jets. 2010 , 23, 5041-5064	111
1726	Convection-Allowing and Convection-Parameterizing Ensemble Forecasts of a Mesoscale Convective Vortex and Associated Severe Weather Environment. 2010 , 25, 1052-1081	44
1725	Assessing Advances in the Assimilation of Radar Data and Other Mesoscale Observations within a Collaborative Forecasting Research Environment. 2010 , 25, 1510-1521	63
1724	A Reanalysis System for the Generation of Mesoscale Climatographies. 2010 , 49, 954-972	50
1723	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. 2010 , 138, 722-744	22
1722	The Life Cycle of an Undular Bore and Its Interaction with a Shallow, Intense Cold Front. 2010 , 138, 886-908	18
1721	Land-Atmosphere Interactions during a Northwestern Argentina Low Event. 2010 , 138, 2481-2498	21
1720	Composite Structure of Tropopause Polar Cyclones. 2010 , 138, 3840-3857	37
1719	For How Long Should What Data Be Assimilated for the Mesoscale Forecasting of Convection and Why? Part I: On the Propagation of Initial Condition Errors and Their Implications for Data Assimilation. 2010 , 138, 242-255	40
1718	An Empirical Latent Heat Flux Parameterization for the Noah Land Surface Model. 2010 , 49, 1696-1713	13

1717	Observational Characterization of the Downward Atmospheric Longwave Radiation at the Surface in the City of Sã Paulo. 2010 , 49, 2574-2590	7
1716	A Simple Technique for Creating Regional Composites of Sea Surface Temperature from MODIS for Use in Operational Mesoscale NWP. 2010 , 49, 2267-2284	10
1715	The Full-Spectrum Correlated-k Method for Longwave Atmospheric Radiative Transfer Using an Effective Planck Function. 2010 , 67, 2086-2100	13
1714	Cloud properties and radiative forcing over the maritime storm tracks of the Southern Ocean and North Atlantic derived from A-Train. <i>Journal of Geophysical Research</i> , 2010 , 115,	49
1713	Diurnal variations of simulated precipitation over East Asia in two regional climate models. <i>Journal of Geophysical Research</i> , 2010 , 115,	51
1712	Simulations of wintertime precipitation in the vicinity of Japan: Sensitivity to fine-scale distributions of sea surface temperature. <i>Journal of Geophysical Research</i> , 2010 , 115,	34
1711	Observation and numerical prediction of torrential rainfall over Korea caused by Typhoon Rusa (2002). <i>Journal of Geophysical Research</i> , 2010 , 115,	17
1710	Comparison of measured and modeled outgoing longwave radiation for clear-sky ocean and land scenes using coincident CERES and AIRS observations. <i>Journal of Geophysical Research</i> , 2010 , 115,	6
1709	Numerical study on seasonal variations of gaseous pollutants and particulate matters in Hong Kong and Pearl River Delta Region. <i>Journal of Geophysical Research</i> , 2010 , 115,	52
1708	Examining the impact of overlying aerosols on the retrieval of cloud optical properties from passive remote sensing. <i>Journal of Geophysical Research</i> , 2010 , 115,	50
1707	A far-infrared radiative closure study in the Arctic: Application to water vapor. <i>Journal of Geophysical Research</i> , 2010 , 115,	49
1706	Observations of the radiation divergence in the surface layer and its implication for its parameterization in numerical weather prediction models. <i>Journal of Geophysical Research</i> , 2010 , 115,	43
1705	In situ and lidar observations of tropopause subvisible cirrus clouds during TC4. <i>Journal of Geophysical Research</i> , 2010 , 115,	61
1704	Directly measured heating rates of a tropical subvisible cirrus cloud. <i>Journal of Geophysical Research</i> , 2010 , 115,	19
1703	Impact of air-sea interaction on East Asian summer monsoon climate in WRF. <i>Journal of Geophysical Research</i> , 2010 , 115,	44
1702	The 2007 sea ice minimum: Impacts on the Northern Hemisphere atmosphere in late autumn and early winter. <i>Journal of Geophysical Research</i> , 2010 , 115,	58
1701	Radiative feedback of dust aerosols on the East Asian dust storms. <i>Journal of Geophysical Research</i> , 2010 , 115,	36
1700	Application of scale-selective data assimilation to tropical cyclone track simulation. <i>Journal of Geophysical Research</i> , 2010 , 115,	10

1699	Assimilation of the dual-polarization Doppler radar data for a convective storm with a warm-rain radar forward operator. <i>Journal of Geophysical Research</i> , 2010 , 115,	16
1698	Clear and cloudy sky infrared brightness temperature assimilation using an ensemble Kalman filter. <i>Journal of Geophysical Research</i> , 2010 , 115,	45
1697	A validation of heat and carbon fluxes from high-resolution land surface and regional models. <i>Journal of Geophysical Research</i> , 2010 , 115,	13
1696	Impacts of cloud-system resolving regional modeling on the simulation of monsoon depressions. 2010 , 37,	
1695	Predictability of Indian summer monsoon weather during active and break phases using a high resolution regional model. 2010 , 37, n/a-n/a	27
1694	In-cloud turbulence structure of marine stratocumulus. 2010 , 37, n/a-n/a	3
1693	Climate impacts of parameterized Nordic Sea overflows. <i>Journal of Geophysical Research</i> , 2010 , 115,	99
1692	Modeling convective-stratiform precipitation processes on a Mei-Yu front with the Weather Research and Forecasting model: Comparison with observations and sensitivity to cloud microphysics parameterizations. <i>Journal of Geophysical Research</i> , 2010 , 115,	57
1691	Assimilation of Kalpana very high resolution radiometer water vapor channel radiances into a mesoscale model. <i>Journal of Geophysical Research</i> , 2010 , 115,	14
1690	Influence of the Amazon/Orinoco Plume on the summertime Atlantic climate. <i>Journal of Geophysical Research</i> , 2010 , 115,	27
1689	Validation of Atmospheric Infrared Sounder temperature and moisture profiles over tropical oceans and their impact on numerical simulations of tropical cyclones. <i>Journal of Geophysical Research</i> , 2010 , 115,	25
1688	Uncertainties in short-term forecasts of a Mediterranean heavy precipitation event: Assessment with satellite observations. <i>Journal of Geophysical Research</i> , 2010 , 115,	8
1687	Multiple-scale simulations of stratocumulus clouds. <i>Journal of Geophysical Research</i> , 2010 , 115,	29
1686	WRF Model Sensitivity to Choice of Parameterization over South America: Validation against Surface Variables. 2010 , 138, 3342-3355	86
1685	Neighborhood-Based Verification of Precipitation Forecasts from Convection-Allowing NCAR WRF Model Simulations and the Operational NAM. 2010 , 25, 1495-1509	100
1684	Evaluation of Three Planetary Boundary Layer Schemes in the WRF Model. 2010 , 49, 1831-1844	472
1683	Numerical Simulation of Radial Cloud Bands within the Upper-Level Outflow of an Observed Mesoscale Convective System. 2010 , 67, 2990-2999	37
1682	Comparison of Canadian Forest Fire Danger Rating System and National Fire Danger Rating System fire indices derived from Weather Research and Forecasting (WRF) model data for the June 2005 Interior Alaska wildfires. 2010 , 95, 290-306	17

1681	A case study on wintertime inversions in Interior Alaska with WRF. 2010 , 95, 314-332	40
1680	On characterizing the error in a remotely sensed liquid water content profile. 2010 , 98, 57-68	26
1679	Study of wind field under sea breeze conditions; an application of WRF model. 2010 , 98, 102-117	70
1678	Predicting the potential for lightning activity in Mediterranean storms based on the Weather Research and Forecasting (WRF) model dynamic and microphysical fields. <i>Journal of Geophysical Research</i> , 2010 , 115,	90
1677	Intercomparison of Bulk Microphysics Schemes in Model Simulations of Polar Lows. 2010 , 138, 2211-2228	26
1676	GPU Computing for Longwave Radiation Physics: A RRTM_LW Scheme Case Study. 2011 ,	4
1675	WRF Model Experiments on the Antarctic Atmosphere in Winter. 2011 , 139, 1279-1291	30
1674	Verification of a Multimodel Storm Surge Ensemble around New York City and Long Island for the Cool Season. 2011 , 26, 922-939	31
1673	Investigating cloud radar sensitivity to optically thin cirrus using collocated Raman lidar observations. 2011 , 38, n/a-n/a	19
1672	Impact of MODIS and AIRS total precipitable water on modifying the vertical shear and Hurricane Emily simulations. <i>Journal of Geophysical Research</i> , 2011 , 116,	2
1671	Cirrus cloud simulations using WRF with improved radiation parameterization and increased vertical resolution. <i>Journal of Geophysical Research</i> , 2011 , 116,	71
1670	Comparison of vertical dust flux by implementing three dust emission schemes in WRF/Chem. <i>Journal of Geophysical Research</i> , 2011 , 116,	71
1669	Influence of moist processes on track and intensity forecast of cyclones over the north Indian Ocean. <i>Journal of Geophysical Research</i> , 2011 , 116,	42
1668	How significant is the impact of irrigation on the local hydroclimate in California's Central Valley? Comparison of model results with ground and remote-sensing data. <i>Journal of Geophysical Research</i> , 2011 , 116,	72
1667	A comparison of the performance of Kalpana and HIRS water vapor radiances in the WRF 3D-Var assimilation system for mesoscale weather predictions. <i>Journal of Geophysical Research</i> , 2011 , 116,	5
1666	Evaluation of Polar WRF forecasts on the Arctic System Reanalysis domain: Surface and upper air analysis. <i>Journal of Geophysical Research</i> , 2011 , 116,	48
1665	EMTACS: Development and regional-scale simulation of a size, chemical, mixing type, and soot shape resolved atmospheric particle model. <i>Journal of Geophysical Research</i> , 2011 , 116,	27
1664	Observing System Simulation Experiment: Development of the system and preliminary results. <i>Journal of Geophysical Research</i> , 2011 , 116,	5

1663	Evaluation of cloud-resolving model intercomparison simulations using TWP-ICE observations: Precipitation and cloud structure. <i>Journal of Geophysical Research</i> , 2011 , 116,	77
1662	High-resolution climate change simulations for the Jordan River area. <i>Journal of Geophysical Research</i> , 2011 , 116,	53
1661	Evaluation of radiation scheme performance within chemistry climate models. <i>Journal of Geophysical Research</i> , 2011 , 116,	69
1660	Accumulation and melt dynamics of snowpack from a multiresolution regional climate model in the central Sierra Nevada, California. <i>Journal of Geophysical Research</i> , 2011 , 116,	29
1659	A method for simple and accurate estimation of fog deposition in a mountain forest using a meteorological model. <i>Journal of Geophysical Research</i> , 2011 , 116,	26
1658	Prediction of the diurnal warming of sea surface temperature using an atmosphere-ocean mixed layer coupled model. <i>Journal of Geophysical Research</i> , 2011 , 116,	12
1657	Overlap statistics of cumuliform boundary-layer cloud fields in large-eddy simulations. <i>Journal of Geophysical Research</i> , 2011 , 116,	25
1656	Impact of background error statistics on forecasting of tropical cyclones over the north Indian Ocean. <i>Journal of Geophysical Research</i> , 2011 , 116,	23
1655	Multiregime states of Arctic atmospheric circulation. <i>Journal of Geophysical Research</i> , 2011 , 116,	1
1654	Parameterization of cloud optical properties for semidirect radiative forcing. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a	10
1653	Sensitivity in the Overland Reintensification of Tropical Cyclone Erin (2007) to Near-Surface Soil Moisture Characteristics. 2011 , 139, 3848-3870	42
1652	The impact of temperature changes on summer time ozone and its precursors in the Eastern Mediterranean. 2011 , 11, 3847-3864	78
1651	Intercomparison of Mesoscale Model Simulations of the Daytime Valley Wind System. 2011 , 139, 1389-1409	43
1650	Mechanisms for convection development in a long-lasting heavy precipitation event over southeastern Italy. 2011 , 100, 586-602	34
1649	Severe hailstorms near Southern Andes in the presence of mountain waves. 2011 , 101, 112-123	20
1648	Numerical analysis of a Mediterranean hurricane over south-eastern Italy: Sensitivity experiments to sea surface temperature. 2011 , 101, 412-426	87
1647	Further investigation on stratospheric air intrusion into the troposphere during the episode of tropical cyclone: Numerical simulation and MST radar observations. 2011 , 101, 928-937	10
1646	Surface currents and winds at the Delaware Bay mouth. 2011 , 31, 1282-1293	18

1645	Ecosystem Feedbacks to Climate Change in California: Development, Testing, and Analysis Using a Coupled Regional Atmosphere and Land Surface Model (WRF3CLM3.5). 2011 , 15, 1-38	41
1644	The Mediterranean response to different space-time resolution atmospheric forcings using perpetual mode sensitivity simulations. 2011 , 36, 1-25	57
1643	An Evaluation of Five ARW-WRF Microphysics Schemes Using Synthetic GOES Imagery for an Atmospheric River Event Affecting the California Coast. 2011 , 12, 618-633	52
1642	A Study of the Urban Boundary Layer Using Different Urban Parameterizations and High-Resolution Urban Canopy Parameters with WRF. 2011 , 50, 1107-1128	184
1641	Impact of Upstream Urbanization on the Urban Heat Island Effects along the Washington-Baltimore Corridor. 2011 , 50, 2012-2029	82
1640	Evaluating Weather Research and Forecasting (WRF) Model Predictions of Turbulent Flow Parameters in a Dry Convective Boundary Layer. 2011 , 50, 2429-2444	43
1639	A Coupled Atmosphere-Wave-Ocean Modeling System: Simulation of the Intensity of an Idealized Tropical Cyclone. 2011 , 139, 132-152	89
1638	The Formation of a Surface Anticyclone over the Yellow and East China Seas in Spring. 2011 , 89, 119-131	12
1637	Use of Atmospheric Infrared Sounder clear-sky and cloud-cleared radiances in the Weather Research and Forecasting 3DVAR assimilation system for mesoscale weather predictions over the Indian region. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a	7
1636	Performance of Dynamic Downscaling for Extreme Weather Event in Eastern Mongolia: Case Study of Severe Windstorm on 26 May 2008. 2011 , 7, 117-120	3
1635	Clouds in the atmospheres of extrasolar planets. 2011 , 531, A62	27
1634	Clouds and the Faint Young Sun Paradox. 2011 , 7, 203-220	44
1633	A regional climate simulation over the Iberian Peninsula for the last millennium. 2011 , 7, 451-472	55
1632	WRF simulation of a precipitation event over the Tibetan Plateau, China: An assessment using remote sensing and ground observations. 2011 , 15, 1795-1817	128
1631	Air quality modeling for the urban Jackson, Mississippi Region using a high resolution WRF/Chem model. 2011 , 8, 2470-90	6
1630	A forecast sensitivity study on the intensity change of Typhoon Sinlaku (2008). <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a	4
1629	Sensitivity of mesoscale model urban boundary layer meteorology to the scale of urban representation. 2011 , 11, 2951-2972	42
1628	Cloud base vertical velocity statistics: a comparison between an atmospheric mesoscale model and remote sensing observations. 2011 , 11, 9207-9218	19

1627	Aerosol emissions and dimming/brightening in Europe: Sensitivity studies with ECHAM5-HAM. <i>Journal of Geophysical Research</i> , 2011 , 116,	62
1626	Downslope windstorm in Iceland WRF/MM5 model comparison. 2011 , 11, 103-120	27
1625	Evaluations of NO _x and highly reactive VOC emission inventories in Texas and their implications for ozone plume simulations during the Texas Air Quality Study 2006. 2011 , 11, 11361-11386	70
1624	The influence of eruption season on the global aerosol evolution and radiative impact of tropical volcanic eruptions. 2011 , 11, 12351-12367	72
1623	Regional impacts of ultrafine particle emissions from the surface of the Great Lakes. 2011 , 11, 12601-12615	14
1622	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model Part 1: Model description, annual simulations and evaluation. 2011 , 11, 13001-13027	156
1621	Evaluation of urban surface parameterizations in the WRF model using measurements during the Texas Air Quality Study 2006 field campaign. 2011 , 11, 2127-2143	105
1620	Comparison of two different sea-salt aerosol schemes as implemented in air quality models applied to the Mediterranean Basin. 2011 , 11, 4833-4850	15
1619	Aerosol effects on the photochemistry in Mexico City during MCMA-2006/MILAGRO campaign. 2011 , 11, 5169-5182	123
1618	Aerosol indirect effects in a multi-scale aerosol-climate model PNNL-MMF. 2011 , 11, 5431-5455	123
1617	Large methane releases lead to strong aerosol forcing and reduced cloudiness. 2011 , 11, 6961-6969	10
1616	Modeling ozone plumes observed downwind of New York City over the North Atlantic Ocean during the ICARTT field campaign. 2011 , 11, 7375-7397	17
1615	An integrated modeling study on the effects of mineral dust and sea salt particles on clouds and precipitation. 2011 , 11, 873-892	100
1614	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980-2005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. 2011 , 11, 9563-9594	53
1613	A comprehensive numerical study of aerosol-cloud-precipitation interactions in marine stratocumulus. 2011 , 11, 9749-9769	43
1612	Radiative impact of mineral dust on monsoon precipitation variability over West Africa. 2011 , 11, 1879-1893	182
1611	An investigation of methods for injecting emissions from boreal wildfires using WRF-Chem during ARCTAS. 2011 , 11, 5719-5744	38
1610	The effects of a solar eclipse on photo-oxidants in different areas of China. 2011 , 11, 8075-8085	4

1609	NUMERICAL STUDY ON EFFECTS OF ROOFTOP GREENING ON MODERATING AIR TEMPERATURE IN TOKYO METROPOLITAN AREA. 2011 , 67, 101-113	1
1608	Assessment of WRF/Chem to simulate subArctic boundary layer characteristics during low solar irradiation using radiosonde, SODAR, and surface data. 2011 , 2, 283-299	23
1607	The role of unbalanced mesoscale circulations in dust storms. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a	8
1606	Regional simulations of deep convection and biomass burning over South America: 1. Model evaluations using multiple satellite data sets. <i>Journal of Geophysical Research</i> , 2011 , 116,	16
1605	Simulations of organic aerosol concentrations in Mexico City using the WRF-CHEM model during the MCMA-2006/MILAGRO campaign. 2011 , 11, 3789-3809	122
1604	Potential biosignatures in super-Earth atmospheres. 2011 , 529, A8	112
1603	MODEL SPECTRA OF THE FIRST POTENTIALLY HABITABLE SUPER-EARTH. 2011 , 733, 35	46
1602	Numerical Simulation of the Rapid Rise of Surface Air Temperature in the Northwestern Kanto Plain on 20 February 2009. 2011 , 120, 296-308	4
1601	ESTIMATION OF MILD HEALTH DISORDER CAUSED BY URBAN AIR TEMPERATURE INCREASE WITH MIDPOINT-TYPE IMPACT ASSESSMENT METHODOLOGY. 2011 , 76, 459-467	7
1600	Impact of aerosol direct radiative forcing on the radiative budget, surface heat fluxes, and atmospheric dynamics during the heat wave of summer 2003 over western Europe: A modeling study. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a	48
1599	Modelling of spatial variability and topographic effects over Arctic fjords in Svalbard. 2011 , 63, 223-237	38
1598	Operational assimilation of GPS slant path delay measurements into the MM5 4DVAR system. 2011 , 63, 263-282	17
1597	Piecewise potential vorticity diagnosis of the development of a polar low over the Sea of Japan. 2011 , 63, 198-211	24
1596	Cloud microphysical properties as revealed by the CAIPEEX and satellite observations and evaluation of a cloud system resolving model simulation of contrasting large scale environments. 2011 , 73, 1790-1797	10
1595	Assessment of motor vehicle emission control policies using Model-3/CMAQ model for the Pearl River Delta region, China. 2011 , 45, 1740-1751	57
1594	Does the resolution of megacity emissions impact large scale ozone?. 2011 , 45, 6852-6862	23
1593	Forecasting urban PM10 and PM2.5 pollution episodes in very stable nocturnal conditions and complex terrain using WRF-Chem CO tracer model. 2011 , 45, 2769-2780	144
1592	Impacts of emission changes on sulfate aerosols in Alaska. 2011 , 45, 3078-3090	11

1591	A study of regional-scale variability of in situ and model-generated tropospheric trace gases: Insights into observational requirements for a satellite in geostationary orbit. 2011 , 45, 4682-4694	7
1590	Evaluation of the operational atmospheric model used in emergency response system at Kalpakkam on the east coast of India. 2011 , 45, 7423-7442	7
1589	Diagnostic analysis of ozone concentrations simulated by two regional-scale air quality models. 2011 , 45, 5957-5969	21
1588	Potential impact of spatial patterns of future atmospheric warming on Asian dust emission. 2011 , 45, 6682-6695	10
1587	Annual sulfur deposition through fog, wet and dry deposition in the Kinki Region of Japan. 2011 , 45, 6299-6308	17
1586	Influences of Tidal Fronts on Coastal Winds Over an Inland Sea. 2011 , 138, 299-319	4
1585	Intercomparison of Planetary Boundary-Layer Parametrizations in the WRF Model for a Single Day from CASES-99. 2011 , 139, 261-281	243
1584	Characteristics and Numerical Simulations of Extremely Large Atmospheric Boundary-layer Heights over an Arid Region in North-west China. 2011 , 140, 163-176	20
1583	Observations and Modelling of the Atmospheric Boundary Layer Over Sea-Ice in a Svalbard Fjord. 2011 , 140, 105-123	21
1582	Human-induced changes in wind, temperature and relative humidity during Santa Ana events. 2011 , 109, 119-132	25
1581	Simulating cold season snowpack: Impacts of snow albedo and multi-layer snow physics. 2011 , 109, 95-117	254
1580	Impact of satellite soundings on the simulation of heavy rainfall associated with tropical depressions. 2011 , 58, 945-980	8
1579	Warm winds from the Pacific caused extensive Arctic sea-ice melt in summer 2007. 2011 , 36, 2103-2112	106
1578	Regional climate of hazardous convective weather through high-resolution dynamical downscaling. 2011 , 37, 677-688	59
1577	Influences of climate change on California and Nevada regions revealed by a high-resolution dynamical downscaling study. 2011 , 37, 2005-2020	42
1576	Quantifying internal variability in a regional climate model: a case study for Southern Africa. 2011 , 37, 1335-1356	41
1575	Testing WRF capability in simulating the atmospheric water cycle over Equatorial East Africa. 2011 , 37, 1357-1379	55
1574	What shapes mesoscale wind anomalies in coastal upwelling zones?. 2011 , 36, 2037-2049	28

1573	Multiseason evaluation of the MM5, COAMPS and WRF over southeast United States. 2011 , 111, 75-90	2
1572	Assimilation of the multisatellite data into the WRF model for track and intensity simulation of the Indian Ocean tropical cyclones. 2011 , 111, 103-119	34
1571	Impact of background error statistics on 3D-Var assimilation: case study over the Indian region. 2011 , 112, 63-79	11
1570	An exceptionally heavy snowfall in Northeast china: large-scale circulation anomalies and hindcast of the NCAR WRF model. 2011 , 113, 11-25	68
1569	Numerical experiments investigating the orographic effects on a heavy rainfall event over the northwestern coast of Taiwan during TAMEX IOP 13. 2011 , 114, 35-50	12
1568	Simulations of Cyclone Sidr in the Bay of Bengal with a high-resolution model: sensitivity to large-scale boundary forcing. 2011 , 114, 123-137	28
1567	Climatic consequences of gradual desertification in the semi-arid area of Northeast Brazil. 2011 , 103, 345-357	22
1566	Urban heat island effects of the Pearl River Delta city clusters—their interactions and seasonal variation. 2011 , 103, 489-499	20
1565	The construction of SCM in GRAPES and its applications in two field experiment simulations. 2011 , 28, 534-550	5
1564	Improvement in background error covariances using ensemble forecasts for assimilation of high-resolution satellite data. 2011 , 28, 758-774	1
1563	Impact of horizontal resolution and cumulus parameterization scheme on the simulation of heavy rainfall events over the Korean Peninsula. 2011 , 28, 1-15	24
1562	Evaluation of heavy rainfall model forecasts over the Korean Peninsula using different physical parameterization schemes and horizontal resolution. 2011 , 28, 1233-1245	
1561	Evaluation of Short-Range Forecasts from a Mesoscale Model Over the Indian Region During Monsoon 2006. 2011 , 168, 919-943	12
1560	Impact of additional surface observation network on short range weather forecast during summer monsoon 2008 over Indian subcontinent. 2011 , 120, 53-64	14
1559	Analysis on MM5 predictions at Sriharikota during northeast monsoon 2008. 2011 , 120, 755-771	2
1558	High-resolution simulations of particulate matter emitted by different agriculture tillage under different weather conditions in California, USA. 2011 , 64, 1021-1029	3
1557	Sensitivity of the WRF model simulation of the East Asian summer monsoon in 1993 to shortwave radiation schemes and ozone absorption. 2011 , 47, 167-180	34
1556	The impact of microphysical schemes on hurricane intensity and track. 2011 , 47, 1-16	76

1555	A trajectory study on the heavy snowfall phenomenon in Yeongdong Region of Korea. 2011 , 47, 45-62	8
1554	Predictive skill of a subset of models participating in D-PHASE in the COPS region. 2011 , 137, 287-305	37
1553	Long-range transport of Saharan dust and its radiative impact on precipitation forecast: a case study during the Convective and Orographically-induced Precipitation Study (COPS). 2011 , 137, 236-251	46
1552	High-resolution simulation over central Europe: assimilation experiments during COPS IOP 9c. 2011 , 137, 156-175	43
1551	The use of potential vorticity inversion to evaluate the effect of precipitation on downstream mesoscale processes. 2011 , 137, 179-198	9
1550	Cloud statistics and cloud radiative effect for a low-mountain site. 2011 , 137, 306-324	15
1549	The Twentieth Century Reanalysis Project. 2011 , 137, 1-28	2424
1548	Statistico-dynamical downscaling for Mediterranean heavy precipitation. 2011 , 137, 736-748	25
1547	Dust impact on the West African heat low in summertime. 2011 , 137, 1227-1240	36
1546	The mesoscale structure of a polar low: airborne lidar measurements and simulations. 2011 , 137, 1516-1531	23
1545	Verification of objective sensitivity climatologies of Mediterranean intense cyclones: test against human judgement. 2011 , 137, 1467-1481	4
1544	The orographic impact on patterns of embedded convection during the August 2005 Alpine flood. 2011 , 137, 2092-2105	12
1543	Improving transmission calculations for the Edwards-Slingo radiation scheme using a correlated-k distribution method. 2011 , 137, 2138-2148	33
1542	A numerical study of the rainstorm characteristics of the June 2005 flash flood with WRF/GSI data assimilation system over south-east China. 2011 , 25, 1327-1341	14
1541	Modeled and observed soil moisture variability over a region of Argentina. 2011 , 12, 334-339	4
1540	Pre-operational forecasting of sea level height for the Río de la Plata. 2011 , 35, 2462-2478	20
1539	Sensitivity of biomarkers to changes in chemical emissions in the Earth's Proterozoic atmosphere. 2011 , 211, 81-88	44
1538	Evaluation of numerical weather prediction for intra-day solar forecasting in the continental United States. 2011 , 85, 967-977	244

1537	Numerical Simulations of the Postsunrise Reorganization of a Nocturnal Mesoscale Convective System during 13 June IHOP_2002. 2011 , 68, 2988-3011	27
1536	Channel simulation for FY-4 AGRI. 2011 ,	2
1535	A Method for Forecasting Cloud Condensation Nuclei Using Predictions of Aerosol Physical and Chemical Properties from WRF/Chem. 2011 , 50, 1601-1615	10
1534	Toward a minimal representation of aerosol direct and indirect effects: model description and evaluation. 2011 ,	19
1533	Mesocirculation Associated with Summer Convection over the Central Antilles. 2011 , 15, 1-19	5
1532	The multi-scale aerosol-climate model PNNL-MMF: model description and evaluation. 2011 , 4, 137-168	83
1531	The global middle-atmosphere aerosol model MAECHAM5-SAM2: comparison with satellite and in-situ observations. 2011 , 4, 809-834	23
1530	The AROME-France Convective-Scale Operational Model. 2011 , 139, 976-991	565
1529	A Multilayer Upper-Boundary Condition for Longwave Radiative Flux to Correct Temperature Biases in a Mesoscale Model. 2011 , 139, 1952-1959	20
1528	Correlated k-Distribution Treatment of Cloud Optical Properties and Related Radiative Impact. 2011 , 68, 2671-2688	12
1527	Evaluation of Surface Analyses and Forecasts with a Multiscale Ensemble Kalman Filter in Regions of Complex Terrain. 2011 , 139, 2008-2024	25
1526	Formation Mechanisms of the Extreme High Surface Air Temperature of 40.9°C Observed in the Tokyo Metropolitan Area: Considerations of Dynamic Foehn and Foehnlike Wind. 2011 , 50, 1827-1841	41
1525	Artificial Cloud Seeding Using Liquid Carbon Dioxide: Comparisons of Experimental Data and Numerical Analyses. 2011 , 50, 1417-1431	21
1524	Mesoscale Simulation of Tropical Cyclones in the South Pacific: Climatology and Interannual Variability. 2011 , 24, 3-25	41
1523	Influence of Rain-Rate Initialization, Cloud Microphysics, and Cloud Torques on Hurricane Intensity. 2011 , 139, 627-649	25
1522	Global Ensemble Predictions of 2009 Tropical Cyclones Initialized with an Ensemble Kalman Filter. 2011 , 139, 668-688	132
1521	Monsoonal Influence on Typhoon Morakot (2009). Part II: Numerical Study. 2011 , 68, 2222-2235	44
1520	The Impact of Climate Change on Air Quality-Related Meteorological Conditions in California. Part I: Present Time Simulation Analysis. 2011 , 24, 3344-3361	28

1519	Moist Thermodynamics of the Madden-Julian Oscillation in a Cloud-Resolving Simulation. 2011 , 24, 5571-5583	17
1518	Analysis of a Warm-Season Surface-Influenced Mesoscale Convective Boundary in Northwest Mississippi. 2011 , 12, 1007-1023	9
1517	Four-Dimensional Assimilation of Multitime Wind Profiles over a Single Station and Numerical Simulation of a Mesoscale Convective System Observed during IHOP_2002. 2011 , 139, 3369-3388	7
1516	Assimilation of Surface-Based Boundary Layer Profiler Observations during a Cool-Season Weather Event Using an Observing System Simulation Experiment. Part I: Analysis Impact. 2011 , 139, 2309-2326	25
1515	On the Rapid Intensification of Hurricane Wilma (2005). Part I: Model Prediction and Structural Changes. 2011 , 26, 885-901	68
1514	The Meteorological Global Model GLOBO at the ISAC-CNR of Italy Assessment of 1.5 Yr of Experimental Use for Medium-Range Weather Forecasts. 2011 , 26, 1045-1055	18
1513	Importance of the surface size distribution of erodible material: an improvement of the Dust Entrainment And Deposition DEAD. 2011 ,	
1512	Favorable Conditions for the Development of a Heavy Rainfall Event over Oahu during the 2006 Wet Period. 2011 , 26, 280-300	18
1511	Thermodynamics of the Madden-Julian Oscillation in a Regional Model with Constrained Moisture. 2011 , 68, 1974-1989	19
1510	Sea Level Pressure Minimum along the Kuroshio and Its Extension*. 2011 , 24, 4419-4434	45
1509	The Low-Level Atmospheric Circulation near Tongoy Bay/Point Lengua de Vaca (Chilean Coast, 30°S). 2011 , 139, 3628-3647	22
1508	The Mean State of Axisymmetric Hurricanes in Statistical Equilibrium. 2011 , 68, 1364-1376	47
1507	Influences of the Sierra Nevada on Intermountain Cold-Front Evolution. 2011 , 139, 3184-3207	5
1506	A Proposed Model-Based Methodology for Feature-Specific Prediction for High-Impact Weather. 2011 , 26, 243-249	14
1505	Improving Numerical Weather Predictions of Summertime Precipitation over the Southeastern United States through a High-Resolution Initialization of the Surface State. 2011 , 26, 785-807	37
1504	High-Resolution Initialization and Simulations of Typhoon Morakot (2009). 2011 , 139, 1463-1491	47
1503	Geometrical Characterization of Precipitation Patterns. 2011 , 12, 274-285	46
1502	Assimilating synthetic GOES-R radiances in cloudy conditions using an ensemble-based method. 2011 , 32, 9637-9659	20

1501	Orographic Influences on an Oahu Flood. 2011 , 139, 2198-2217	8
1500	Improving High-Resolution Model Forecasts of Downslope Winds in the Las Vegas Valley. 2011 , 50, 1324-1340	4
1499	Environmental Influences on the Strength of Tropical Storm Debby (2006). 2011 , 68, 2557-2581	34
1498	Unexpected High Winds in Northern New Jersey: A Downslope Windstorm in Modest Topography. 2011 , 26, 902-921	13
1497	Application of the WRF Hybrid ETKF/DVAR Data Assimilation System for Hurricane Track Forecasts. 2011 , 26, 868-884	57
1496	Effects of Surface Heat and Moisture Exchange on ARW-WRF Warm-Season Precipitation Forecasts over the Central United States. 2011 , 26, 3-25	34
1495	Physical Processes Governing the Rapid Deepening Tail of Maritime Cyclogenesis. 2011 , 139, 2776-2789	13
1494	Diagnosing Initial Condition Sensitivity of Typhoon Sinlaku (2008) and Hurricane Ike (2008). 2011 , 139, 3224-3242	19
1493	The Impacts of Taiwan Topography on the Predictability of Typhoon Morakot's Record-Breaking Rainfall: A High-Resolution Ensemble Simulation. 2011 , 26, 613-633	46
1492	A multi-resolution assessment of the Community Multiscale Air Quality (CMAQ) model v4.7 wet deposition estimates for 2002-2006. 2011 , 4, 357-371	85
1491	Simulations over South Asia using the Weather Research and Forecasting model with Chemistry (WRF-Chem): set-up and meteorological evaluation. 2011 ,	3
1490	Longwave 3D Benchmarks for Inhomogeneous Clouds and Comparisons with Approximate Methods. 2011 , 24, 2192-2205	13
1489	Deep Atmospheric Response to the Spring Kuroshio over the East China Sea*. 2011 , 24, 4959-4972	81
1488	Warning Information in a Preconvection Environment from the Geostationary Advanced Infrared Sounding System's Simulation Study Using the IHOP Case. 2011 , 50, 776-783	31
1487	Probabilistic Precipitation Forecast Skill as a Function of Ensemble Size and Spatial Scale in a Convection-Allowing Ensemble. 2011 , 139, 1410-1418	96
1486	Parameterization-Induced Error Characteristics of MM5 and WRF Operated in Climate Mode over the Alpine Region: An Ensemble-Based Analysis. 2011 , 24, 3107-3123	65
1485	Satellite and Numerical Model Investigation of Two Heavy Rain Events over the Central Mediterranean. 2011 , 12, 634-649	17
1484	High-Resolution Simulations of Wintertime Precipitation in the Colorado Headwaters Region: Sensitivity to Physics Parameterizations. 2011 , 139, 3533-3553	126

1483	Characteristics of Mesoscale Organization in WRF Simulations of Convection during TWP-ICE. 2012 , 25, 5666-5688	49
1482	Observation of a tropopause fold by MARA VHF wind-profiler radar and ozonesonde at Wasa, Antarctica: comparison with ECMWF analysis and a WRF model simulation. 2012 , 30, 1411-1421	9
1481	Importance of the surface size distribution of erodible material: an improvement on the Dust Entrainment And Deposition (DEAD) Model. 2012 , 5, 581-598	25
1480	Cooling of Entrained Parcels in a Large-Eddy Simulation. 2012 , 69, 1118-1136	44
1479	Determining the Extratropical Transition Onset and Completion Times of Typhoons Mindulle (2004) and Yagi (2006) Using Four Methods. 2012 , 27, 1394-1412	8
1478	How Physical Parameterizations Can Modulate Internal Variability in a Regional Climate Model. 2012 , 69, 714-724	30
1477	Hadley Cell Dynamics in a Virtually Dry Snowball Earth Atmosphere. 2012 , 69, 116-128	11
1476	Vertical Velocity and Microphysical Distributions Related to Rapid Intensification in a Simulation of Hurricane Dennis (2005). 2012 , 69, 3515-3534	25
1475	On the Relationship between Thermodynamic Structure and Cloud Top, and Its Climate Significance in the Arctic. 2012 , 25, 2374-2393	97
1474	Warm Season Response over North America to a Shutdown of the Atlantic Meridional Overturning Circulation and CO2 Increases. 2012 , 25, 6701-6720	4
1473	On the Correspondence between Short- and Long-Time-Scale Systematic Errors in CAM4/CAM5 for the Year of Tropical Convection. 2012 , 25, 7937-7955	63
1472	Impact of Assimilating AMSU-A Radiances on Forecasts of 2008 Atlantic Tropical Cyclones Initialized with a Limited-Area Ensemble Kalman Filter. 2012 , 140, 4017-4034	76
1471	Impact of Assimilating Microwave Radiances with a Limited-Area Ensemble Data Assimilation System on Forecasts of Typhoon Morakot. 2012 , 27, 424-437	45
1470	Near-Term Effects of the Lower Atmosphere in Simulated Northwest Flow Snowfall Forced over the Southern Appalachians. 2012 , 27, 1198-1216	5
1469	Modeling the Atmospheric Response to Irrigation in the Great Plains. Part I: General Impacts on Precipitation and the Energy Budget. 2012 , 13, 1667-1686	77
1468	Concentric Eyewall Formation in Typhoon Sinlaku (2008). Part I: Assimilation of T-PARC Data Based on the Ensemble Kalman Filter (EnKF). 2012 , 140, 506-527	57
1467	Assessing the Impact of the Covariance Localization Radius when Assimilating Infrared Brightness Temperature Observations Using an Ensemble Kalman Filter. 2012 , 140, 543-561	21
1466	Impact of the Dual-Polarization Doppler Radar Data on Two Convective Storms with a Warm-Rain Radar Forward Operator. 2012 , 140, 2147-2167	20

1465	The Diurnal Cycle of Precipitation from Continental Radar Mosaics and Numerical Weather Prediction Models. Part II: Intercomparison among Numerical Models and with Nowcasting. 2012 , 140, 2689-2705	33
1464	Assimilation of Radar Radial Velocity Data with the WRF Hybrid Ensemble-DVAR System for the Prediction of Hurricane Ike (2008). 2012 , 140, 3507-3524	82
1463	Accelerating the EnKF Spinup for Typhoon Assimilation and Prediction. 2012 , 27, 878-897	23
1462	A Comparison of Perturbed Initial Conditions and Multiphysics Ensembles in a Severe Weather Episode in Spain. 2012 , 51, 489-504	21
1461	Seasonal Variations of the Urban Heat Island at the Surface and the Near-Surface and Reductions due to Urban Vegetation in Mexico City. 2012 , 51, 855-868	93
1460	Lidar signal simulation for the evaluation of aerosols in chemistry transport models. 2012 , 5, 1543-1564	10
1459	The Impact of Forcing Datasets on the High-Resolution Simulation of Tropical Storm Ivan (2004) in the Southern Appalachians. 2012 , 140, 3300-3326	15
1458	Modeling an air pollution episode in northwestern United States: identifying the effect of nitrogen oxide and volatile organic compound emission changes on air pollutants formation using direct sensitivity analysis. 2012 , 62, 1150-65	8
1457	A Numerical Simulation of Convectively Induced Turbulence above Deep Convection. 2012 , 51, 1180-1200	29
1456	Can a Regional Climate Model Improve the Ability to Forecast the North American Monsoon?. 2012 , 25, 8212-8237	63
1455	Toward a Minimal Representation of Aerosols in Climate Models: Comparative Decomposition of Aerosol Direct, Semidirect, and Indirect Radiative Forcing. 2012 , 25, 6461-6476	215
1454	Decomposition of Uncertainties between Coarse MM5 Noah-Simulated and Fine ASAR-Retrieved Soil Moisture over Central Tibet. 2012 , 13, 1925-1938	10
1453	The Role of Windward-Side Diabatic Heating in Sierra Nevada Spillover Precipitation. 2012 , 13, 1172-1194	10
1452	The HWRF Hurricane Ensemble Data Assimilation System (HEDAS) for High-Resolution Data: The Impact of Airborne Doppler Radar Observations in an OSSE. 2012 , 140, 1843-1862	50
1451	Influences of Moist Convection on a Cold-Season Outbreak of Clear-Air Turbulence (CAT). 2012 , 140, 2477-2496	42
1450	Forecasting Tornado Pathlengths Using a Three-Dimensional Object Identification Algorithm Applied to Convection-Allowing Forecasts. 2012 , 27, 1090-1113	55
1449	Inclusion of Ash and SO ₂ emissions from volcanic eruptions in WRF-CHEM: development and some applications. 2012 ,	4
1448	Including Uncertainties of Sea Surface Temperature in an Ensemble Kalman Filter: A Case Study of Typhoon Sinlaku (2008). 2012 , 27, 1586-1597	17

1447	On the Height of the Warm Core in Tropical Cyclones. 2012 , 69, 1657-1680	80
1446	Assimilating AIRS Temperature and Mixing Ratio Profiles Using an Ensemble Kalman Filter Approach for Convective-Scale Forecasts. 2012 , 27, 541-564	28
1445	A Regional Climatology of West Nile, Uganda, to Support Human Plague Modeling. 2012 , 51, 1201-1221	17
1444	Concentric Eyewall Formation in Typhoon Sinlaku (2008). Part II: Axisymmetric Dynamical Processes. 2012 , 69, 662-674	104
1443	Numerical Simulation of Episodes of Organized Convection in Tropical Northern Africa. 2012 , 140, 2874-2886	18
1442	Simulating the Regional Impacts of Urbanization and Anthropogenic Heat Release on Climate across China. 2012 , 25, 7187-7203	120
1441	Model Assessments of Precipitation with a Unified Regional Circulation Rainfall and Hydrological Watershed Model. 2012 , 17, 43-54	11
1440	Simulations over South Asia using the Weather Research and Forecasting model with Chemistry (WRF-Chem): set-up and meteorological evaluation. 2012 , 5, 321-343	58
1439	A Study on the Synoptic-Dynamical Characteristics of Compact Tropical Cyclones in the Western North Pacific. 2012 , 140, 4046-4065	5
1438	Interactions of Diabatic Heating in Convective Superbursts with Energy Conversion Processes in the Genesis of Cape Verde Hurricanes from African Easterly Waves. 2012 , 140, 748-773	4
1437	The Formation Mechanism of a Spring Sea Fog Event over the Yellow Sea Associated with a Low-Level Jet. 2012 , 27, 1538-1553	12
1436	Effect of targeted dropsonde observations and best track data on the track forecasts of Typhoon Sinlaku (2008) using an ensemble Kalman filter. 2012 , 64, 14984	18
1435	Impact of Microphysics Scheme Complexity on the Propagation of Initial Perturbations. 2012 , 140, 2287-2296	26
1434	Diurnal variation of summer precipitation over the Tibetan Plateau: a cloud-resolving simulation. 2012 , 30, 1575-1586	10
1433	Two-Dimensional Retrieval of Typhoon Tracks from an Ensemble of Multimodel Outputs. 2012 , 27, 451-461	6
1432	Mid-Twenty-First-Century Changes in Extreme Events over Northern and Tropical Africa. 2012 , 25, 5748-5767	91
1431	Application of a Lightning Data Assimilation Technique in the WRF-ARW Model at Cloud-Resolving Scales for the Tornado Outbreak of 24 May 2011. 2012 , 140, 2609-2627	89
1430	Spatial-Scale Characteristics of Precipitation Simulated by Regional Climate Models and the Implications for Hydrological Modeling. 2012 , 13, 1817-1835	24

1429	Land Cover Change Effects on the Climate of the La Plata Basin. 2012 , 13, 84-102	47
1428	Response of atmospheric biomarkers to NO(x)-induced photochemistry generated by stellar cosmic rays for earth-like planets in the habitable zone of M dwarf stars. 2012 , 12, 1109-22	43
1427	Turbulent fluxes, stability and shear in the offshore environment: Mesoscale modelling and field observations at FINO1. 2012 , 4, 063136	26
1426	Evaluation of Polar WRF from Modeling the Atmospheric Boundary Layer over Antarctic Sea Ice in Autumn and Winter. 2012 , 140, 3919-3935	30
1425	WRF Model Simulation of Two Alberta Flooding Events and the Impact of Topography. 2012 , 13, 695-708	37
1424	Precipitation Climatology in an Ensemble of CORDEX-Africa Regional Climate Simulations. 2012 , 25, 6057-6078	447
1423	Development and recent evaluation of the MT_CKD model of continuum absorption. 2012 , 370, 2520-56	254
1422	Assessing the Impacts of Different WRF Precipitation Physics in Hurricane Simulations. 2012 , 27, 1003-1016	56
1421	Carbon farming in hot, dry coastal areas: an option for climate change mitigation. 2012 ,	2
1420	Applying a Mesoscale Atmospheric Model to Svalbard Glaciers. 2012 , 2012, 1-22	26
1419	Dynamical influence of gravity waves generated by the Vestfjella Mountains in Antarctica: radar observations, fine-scale modelling and kinetic energy budget analysis. 2012 , 64, 17261	11
1418	Lidar signal simulation for the evaluation of aerosols in chemistry-transport models. 2012 ,	
1417	The SOCOL version 3.0 chemistry-climate model: description, evaluation, and implications from an advanced transport algorithm. 2012 ,	3
1416	Top-of-atmosphere radiative cooling with white roofs: experimental verification and model-based evaluation. 2012 , 7, 044007	6
1415	Climate Variability of the Northern Argentinean Shelf Circulation: Impact on <i>Engraulis Anchoita</i> . 2012 , 3, 17-43	19
1414	TAMDAR Observation Assimilation in WRF 3D-Var and Its Impact on Hurricane Ike (2008) Forecast. 2012 , 5, 206-211	8
1413	Simulation of surface ozone pollution in the Central Gulf Coast region during summer synoptic condition using WRF/Chem air quality model. 2012 , 3, 55-71	14
1412	Assessment of WRF/Chem PM _{2.5} forecasts using mobile and fixed location data from the Fairbanks, Alaska winter 2008/09 field campaign. 2012 , 3, 180-191	24

1411	Soot and SO ₂ ; contribution to the supersites in the MILAGRO campaign from elevated flares in the Tula Refinery. 2012 , 12, 10583-10599	11
1410	Development of the RAQM2 aerosol chemical transport model and predictions of the Northeast Asian aerosol mass, size, chemistry, and mixing type. 2012 , 12, 11833-11856	52
1409	Impact of the Desert dust on the summer monsoon system over Southwestern North America. 2012 , 12, 3717-3731	64
1408	The impact of circulation patterns on regional transport pathways and air quality over Beijing and its surroundings. 2012 , 12, 5031-5053	167
1407	Bacteria in the ECHAM5-HAM global climate model. 2012 , 12, 8645-8661	60
1406	Implementation of dust emission and chemistry into the Community Multiscale Air Quality modeling system and initial application to an Asian dust storm episode. 2012 , 12, 10209-10237	91
1405	Uncertainty associated with convective wet removal of entrained aerosols in a global climate model. 2012 , 12, 10725-10748	37
1404	Thunderstorms and upper troposphere chemistry during the early stages of the 2006 North American Monsoon. 2012 , 12, 11003-11026	40
1403	Density currents as a desert dust mobilization mechanism. 2012 , 12, 11199-11211	32
1402	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model □ Part 2: Experimental campaigns in Northern Africa. 2012 , 12, 2933-2958	68
1401	Evaluating WRF-Chem aerosol indirect effects in Southeast Pacific marine stratocumulus during VOCALS-REx. 2012 , 12, 3045-3064	68
1400	Limited-area modelling of stratocumulus over South-Eastern Pacific. 2012 , 12, 3511-3526	6
1399	The global aerosol-climate model ECHAM-HAM, version 2: sensitivity to improvements in process representations. 2012 , 12, 8911-8949	255
1398	Numerical Experiments on the Contribution of Latent Heat of Sea Sprays to Air-Sea Heat Transfer. 2012 , 68, I_456-I_460	
1397	Observation and modeling of the evolution of Texas power plant plumes. 2012 , 12, 455-468	29
1396	Impacts of East Mediterranean megacity emissions on air quality. 2012 , 12, 6335-6355	49
1395	Hydration or dehydration: competing effects of upper tropospheric cloud radiation on the TTL water vapor. 2012 , 12, 7727-7735	15
1394	Contribution of garbage burning to chloride and PM _{2.5} in Mexico City. 2012 , 12, 8751-8761	87

1393	Radiative impacts of cloud heterogeneity and overlap in an atmospheric General Circulation Model. 2012 , 12, 9097-9111	28
1392	Improving High-Resolution Numerical Weather Simulations by Assimilating Data from an Unmanned Aerial System. 2012 , 140, 3734-3756	24
1391	Land Use Change in Central Florida and Sensitivity Analysis Based on Agriculture to Urban Extreme Conversion. 2012 , 4, 200-211	7
1390	Parameterization of contrail radiative properties for climate studies. 2012 , 39,	8
1389	Boundary layer versus free tropospheric CO budget and variability over the United States during summertime. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	11
1388	Numerical investigations on the contribution of point source emissions to the PM2.5 concentrations in Fairbanks, Alaska. 2012 , 3, 199-210	7
1387	Modeling of gas and aerosol with WRF/Chem over Europe: Evaluation and sensitivity study. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	150
1386	Upwelling response to atmospheric coastal jets off central Chile: A modeling study of the October 2000 event. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	39
1385	A study on sulfate optical properties and direct radiative forcing using LASG-IAP general circulation model. 2012 , 29, 1185-1199	11
1384	A simple regional coupled model experiment for summer-time climate simulation over southern Africa. 2012 , 39, 2207-2217	29
1383	WRF ensemble downscaling seasonal forecasts of China winter precipitation during 1982-2008. 2012 , 39, 2041-2058	52
1382	Evaluating the performance of a WRF physics ensemble over South-East Australia. 2012 , 39, 1241-1258	178
1381	Reducing biases in regional climate downscaling by applying Bayesian model averaging on large-scale forcing. 2012 , 39, 2523-2532	15
1380	Burgundy regional climate change and its potential impact on grapevines. 2012 , 39, 1613-1626	26
1379	Tropical-temperate interactions over southern Africa simulated by a regional climate model. 2012 , 39, 2895-2916	38
1378	Impact of climate change on mid-twenty-first century growing seasons in Africa. 2012 , 39, 2937-2955	61
1377	The representation of tropical upper tropospheric water in EC Earth V2. 2012 , 39, 2713-2731	5
1376	Impact of the configuration of stretching and ocean-atmosphere coupling on tropical cyclone activity in the variable-resolution GCM ARPEGE. 2012 , 39, 2343-2359	8

1375	Kinetic energy budget of Typhoon Yagi (2006) during its extratropical transition. 2012 , 118, 65-78	4
1374	Effects of high-resolution land cover and topography on local circulations in two different coastal regions of Korea: a numerical modeling study. 2012 , 118, 1-20	12
1373	Investigation of aerosol indirect effects on simulated flash-flood heavy rainfall over Korea. 2012 , 118, 199-214	13
1372	Modeling tropospheric ozone formation over East China in springtime. 2012 , 69, 303-319	35
1371	Sensitivity of inland decay of North Atlantic tropical cyclones to soil parameters. 2012 , 63, 1527-1542	17
1370	Performance of the experimental HWRF in the 2008 Hurricane Season. 2012 , 63, 1439-1449	26
1369	Numerical simulation of cyclonic storms FANOOS, NARGIS with assimilation of conventional and satellite observations using 3-DVAR. 2012 , 63, 867-889	17
1368	A comprehensive study of surface and upper-air characteristics over two stations on the west coast of India during the occurrence of a cyclonic storm. 2012 , 64, 1055-1078	14
1367	Sulfur deposition simulations over China, Japan, and Korea: a model intercomparison study for abating sulfur emission. 2012 , 19, 4073-89	7
1366	The effect of topography and sea surface temperature on heavy snowfall in the Yeongdong region: A case study with high resolution WRF simulation. 2012 , 48, 259-273	20
1365	Impact of precipitating ice on the simulation of a heavy rainfall event with advanced research WRF using two bulk microphysical schemes. 2012 , 48, 357-368	8
1364	A regression-based statistical correction of mesoscale simulations for near-surface wind speed using remotely sensed surface observations. 2012 , 48, 449-456	1
1363	Numerical study of a mesoscale vortex in the planetary boundary layer of the meiyu front. 2012 , 26, 788-802	3
1362	Evaluation and Intercomparison of Cloud Fraction and Radiative Fluxes in Recent Reanalyses over the Arctic Using BSRN Surface Observations. 2012 , 25, 2291-2305	76
1361	Modeling of Forecast Sensitivity on the March of Monsoon Isochrones from Kerala to New Delhi: The First 25 Days. 2012 , 69, 2465-2487	24
1360	Quantitative Analysis of Factors Contributing to Urban Heat Island Intensity. 2012 , 51, 842-854	78
1359	Aerosols from fires: an examination of the effects on ozone photochemistry in the Western United States. 2012 , 46, 11878-86	45
1358	Fog Prediction for Road Traffic Safety in a Coastal Desert Region. 2012 , 145, 485-506	31

1357	Comparisons of Single- and Double-Moment Microphysics Schemes in the Simulation of a Synoptic-Scale Snowfall Event. 2012 , 140, 2982-3002	42
1356	Climate response to the Toba super-eruption: Regional changes. 2012 , 258, 30-44	50
1355	Evaluation of the WRF model solar irradiance forecasts in Andalusia (southern Spain). 2012 , 86, 2200-2217	168
1354	Sensitivity of predicted pollutant levels to urbanization in China. 2012 , 60, 544-554	43
1353	Regional scale atmospheric dispersion simulation of accidental releases of radionuclides from Fukushima Dai-ichi reactor. 2012 , 61, 66-84	54
1352	Influence of land-surface and turbulent parameterization schemes on regional-scale boundary layer characteristics over northern India. 2012 , 112, 89-111	20
1351	An urban green planning approach utilizing the Weather Research and Forecasting (WRF) modeling system. A case study of Athens, Greece. 2012 , 105, 174-183	43
1350	Regional modeling of secondary organic aerosol over China using WRF/Chem. 2012 , 43, 57-73	92
1349	Nested Mesoscale Large-Eddy Simulations with WRF: Performance in Real Test Cases. 2012 , 13, 1421-1441	131
1348	Evaluation of the coupling between mesoscale-WRF and LES-EULAG models for simulating fine-scale urban dispersion. 2012 , 118, 324-345	51
1347	Examination of Analysis and Forecast Errors of High-Resolution Assimilation, Bias Removal, and Digital Filter Initialization with an Ensemble Kalman Filter. 2012 , 140, 3992-4004	14
1346	A Scale-Selective Data Assimilation Approach to Improving Tropical Cyclone Track and Intensity Forecasts in a Limited-Area Model: A Case Study of Hurricane Felix (2007). 2012 , 27, 124-140	14
1345	Underwater glider observations and modeling of an abrupt mixing event in the upper ocean. 2012 , 39, n/a-n/a	39
1344	Impact of gas-phase mechanisms on Weather Research Forecasting Model with Chemistry (WRF/Chem) predictions: Mechanism implementation and comparative evaluation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	57
1343	The role of the land-surface model for climate change projections over the Iberian Peninsula. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	39
1342	Effect of an extratropical mesoscale convective system on water vapor transport in the upper troposphere/lower stratosphere: A modeling study. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	7
1341	Effects on precipitation, clouds, and temperature from long-range transport of idealized aerosol plumes in WRF-Chem simulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	6
1340	Evaluation of Polar WRF forecasts on the Arctic System Reanalysis Domain: 2. Atmospheric hydrologic cycle. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	36

1339	The Shannon information content of hyperspectral shortwave cloud albedo measurements: Quantification and practical applications. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	16
1338	The Continual Intercomparison of Radiation Codes: Results from Phase I. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	96
1337	Integration of remote-sensing data with WRF to improve lake-effect precipitation simulations over the Great Lakes region. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	32
1336	Evaluation of snowmelt simulation in the Weather Research and Forecasting model. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	27
1335	Surface energy partitioning over four dominant vegetation types across the United States in a coupled regional climate model (Weather Research and Forecasting Model 3. Community Land Model 3.5). <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	25
1334	WRF simulation over complex terrain during a southern California wildfire event. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	15
1333	Estimating surface longwave radiative fluxes from satellites utilizing artificial neural networks. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	18
1332	Climate change projection of snowfall in the Colorado River Basin using dynamical downscaling. 2012 , 48,	39
1331	Sub-kilometer dynamical downscaling of near-surface winds in complex terrain using WRF and MM5 mesoscale models. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	63
1330	Clear-sky thermodynamic and radiative anomalies over a sea ice sensitive region of the Arctic. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	21
1329	Representation of the Sierra Barrier Jet in 11 years of a high-resolution dynamical reanalysis downscaling compared with long-term wind profiler observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	23
1328	Development and initial application of the global-through-urban weather research and forecasting model with chemistry (GU-WRF/Chem). <i>Journal of Geophysical Research</i> , 2012 , 117,	55
1327	Effects of interactive vegetation phenology on the 2003 summer heat waves. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	60
1326	Experiments with the assimilation of fine aerosols using an ensemble Kalman filter. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	62
1325	Development of a fast, accurate radiative transfer model for the Martian atmosphere, past and present. <i>Journal of Geophysical Research</i> , 2012 , 117,	39
1324	Large-scale environmental variables and transition to deep convection in cloud resolving model simulations: A vector representation. 2012 , 4, n/a-n/a	1
1323	The CGILS experimental design to investigate low cloud feedbacks in general circulation models by using single-column and large-eddy simulation models. 2012 , 4, n/a-n/a	29
1322	Wind mediated vorticity-generation and eddy-confinement, leeward of the Madeira Island: 2008 numerical case study. 2012 , 58, 128-149	35

1321	Predicting Cloud-to-Ground and Intracloud Lightning in Weather Forecast Models. 2012 , 27, 1470-1488	50
1320	Integrating Remote Sensing Data with WRF for Improved Simulations of Oasis Effects on Local Weather Processes over an Arid Region in Northwestern China. 2012 , 13, 573-587	40
1319	Improving the Representation of Resolved and Unresolved Topographic Effects on Surface Wind in the WRF Model. 2012 , 51, 300-316	286
1318	Simulation of the stratospheric gravity waves generated by the Typhoon Matsa in 2005. 2012 , 55, 602-610	13
1317	An integrated WRF/HYSPLIT modeling approach for the assessment of PM(2.5) source regions over the Mississippi Gulf Coast region. 2012 , 5, 401-412	27
1316	Sensitivity of MM5-simulated planetary boundary layer height to soil dataset: comparison of soil and atmospheric effects. 2012 , 109, 577-590	10
1315	Effects of spectral nudging on the 2010 East Asia summer monsoon using WRF model. 2012 , 30, 1105-1115	4
1314	Testing the Role of Radiation in Determining Tropical Cloud-Top Temperature. 2012 , 25, 5731-5747	32
1313	Impacts of the Lowest Model Level Height on the Performance of Planetary Boundary Layer Parameterizations. 2012 , 140, 664-682	40
1312	Comparison of Simulated and Observed Continental Tropical Anvil Clouds and Their Radiative Heating Profiles. 2012 , 69, 2662-2681	31
1311	The Influence of Shallow Convection on Tropical Cyclone Track Forecasts. 2012 , 140, 2188-2197	40
1310	Considering the air quality impacts of bioenergy crop production: a case study involving <i>Arundo donax</i> . 2012 , 46, 9777-84	11
1309	Analysis of Spatiotemporal Balancing between Wind and Solar Energy Resources in the Southern Iberian Peninsula. 2012 , 51, 2005-2024	65
1308	Application of WRF 3DVAR to Operational Typhoon Prediction in Taiwan: Impact of Outer Loop and Partial Cycling Approaches. 2012 , 27, 1249-1263	66
1307	A limited area model (LAM) intercomparison study of a TWP-ICE active monsoon mesoscale convective event. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	25
1306	Numerical Simulation of Urban Heat Island Effect by the WRF Model with 4-km Grid Increment: An Inter-Comparison Study between the Urban Canopy Model and Slab Model. 2012 , 90B, 33-45	62
1305	Assessment of the Weather Research and Forecasting/Chemistry Model to Simulate Ozone Concentrations in March 2008 over Coastal Areas of the Sea of Japan. 2012 , 3, 288-319	3
1304	Urban Climate Projection by the WRF Model at 3-km Horizontal Grid Increment: Dynamical Downscaling and Predicting Heat Stress in the 2070 $\bar{8}$ August for Tokyo, Osaka, and Nagoya Metropolises. 2012 , 90B, 47-63	112

1303	Impact of modifying the longwave water vapor continuum absorption model on community Earth system model simulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	15
1302	Use of Integrated Observations to Improve 0-36 h Flood Forecasting: Development and Application of a Coupled Atmosphere-Hydrology System in the Nanpan River Basin, China. 2012 , 90C, 131-144	5
1301	Coastal landfast sea ice decay and breakup in northern Alaska: Key processes and seasonal prediction. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	20
1300	Analyses of BlueSky Gateway PM2.5 predictions during the 2007 southern and 2008 northern California fires. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	26
1299	North American CO ₂ exchange: inter-comparison of modeled estimates with results from a fine-scale atmospheric inversion. 2012 , 9, 457-475	87
1298	Heavy precipitation events in the Mediterranean: sensitivity to cloud physics parameterisation uncertainties. 2012 , 12, 2671-2688	28
1297	Dynamical and statistical downscaling of the French Mediterranean climate: uncertainty assessment. 2012 , 12, 2769-2784	83
1296	Application of an adaptive radiative transfer scheme in a mesoscale numerical weather prediction model. 2012 , 138, 91-102	6
1295	Atmospheric stability and turbulence fluxes at Horns Rev-an intercomparison of sonic, bulk and WRF model data. 2012 , 15, 717-731	33
1294	Assimilation of water-vapour airborne lidar observations: impact study on the COPS precipitation forecasts. 2012 , 138, 1652-1667	16
1293	A hurricane-like polar low fuelled by sensible heat flux: high-resolution numerical simulations. 2012 , 138, 1308-1324	24
1292	Evaluation of NWP results for wintertime nocturnal boundary-layer temperatures over Europe and Finland. 2012 , 138, 1440-1451	52
1291	Idealized numerical simulations of quasi-stationary convective systems over the Northwestern Mediterranean complex terrain. 2012 , 138, 1751-1763	43
1290	Modelling the vertical structure of the atmospheric boundary layer over Arctic fjords in Svalbard. 2012 , 138, 1867-1883	30
1289	A polar low observed over the Norwegian Sea on 30 March 2008: high-resolution numerical experiments. 2012 , 138, 1983-1998	11
1288	A hybrid nudging-ensemble Kalman filter approach to data assimilation in WRF/DART. 2012 , 138, 2066-2078	25
1287	Tropical transition of a Mediterranean storm by jet crossing. 2012 , 138, 596-611	58
1286	Estimating surface long-wave radiative fluxes at global scale. 2012 , 138, 1083-1093	8

1285	The effect of vertical shear orientation on tropical cyclogenesis. 2012 , 138, 1035-1054	64
1284	A Cloud-Resolving Simulation Study on the Merging Processes and Effects of Topography and Environmental Winds. 2012 , 69, 1232-1249	9
1283	Deep Radiation Fog in a Wide Closed Valley: Study by Numerical Modeling and Remote Sensing. 2012 , 169, 911-926	47
1282	Evaluation of upper tropospheric humidity from NCEP analysis and WRF Model Forecast with Kalpana observation during Indian summer monsoon 2010. 2012 , 19, 152-160	6
1281	A land data assimilation system using the MODIS-derived land data and its application to numerical weather prediction in East Asia. 2012 , 48, 83-95	15
1280	Forecast of Low Visibility and Fog from NCEP: Current Status and Efforts. 2012 , 169, 895-909	49
1279	A Comparison Study Between Spring and Summer Fogs in the Yellow Sea-Observations and Mechanisms. 2012 , 169, 1001-1017	17
1278	Tracking emission sources of sulfur and elemental carbon in Hong Kong/Pearl River Delta region. 2012 , 69, 1-22	16
1277	An investigation of the effects of wave state and sea spray on an idealized typhoon using an air-sea coupled modeling system. 2012 , 29, 391-406	14
1276	A simulation study of a heavy rainfall process over the Yangtze River valley using the two-way nesting approach. 2012 , 29, 731-743	10
1275	Profiling the Arctic Stable Boundary Layer in Advent Valley, Svalbard: Measurements and Simulations. 2012 , 143, 507-526	21
1274	CPU/GPU computing for long-wave radiation physics on large GPU clusters. 2012 , 41, 47-55	25
1273	Effect of aerosol-radiation feedback on regional air quality I A case study with WRF/Chem. 2012 , 53, 202-211	111
1272	Evaluation of the meteorological forcing used for the Air Quality Model Evaluation International Initiative (AQMEII) air quality simulations. 2012 , 53, 15-37	99
1271	Regional scale photochemical model evaluation of total mercury wet deposition and speciated ambient mercury. 2012 , 49, 151-162	33
1270	Potential impacts of an Emission Control Area on air quality in Alaska coastal regions. 2012 , 50, 192-202	10
1269	Wildfire and the atmosphere: Modelling the chemical and dynamic interactions at the regional scale. 2012 , 51, 234-249	26
1268	The role of boundary layer schemes in meteorological and air quality simulations of the Taiwan area. 2012 , 54, 714-727	39

1267	Performance assessment of retrospective meteorological inputs for use in air quality modeling during TexAQS 2006. 2012 , 54, 86-96	32
1266	Assessment of an air pollution event in the southwestern Iberian Peninsula. 2012 , 55, 245-256	16
1265	One way coupling of CMAQ and a road source dispersion model for fine scale air pollution predictions. 2012 , 59, 47-58	55
1264	Quantitative assessment of short-term rainfall forecasts from radar nowcasts and MM5 forecasts. 2012 , 26, 3842-3857	25
1263	A numerical study of the Urban Heat Island over Madrid during the DESIREX (2008) campaign with WRF and an evaluation of simple mitigation strategies. 2012 , 32, 2372-2386	105
1262	Impact of ATOVS Radiance on the Analysis and Forecasts of a Mesoscale Model over the Indian Region During the 2008 Summer Monsoon. 2012 , 169, 425-445	6
1261	Design and quantification of an extreme winter storm scenario for emergency preparedness and planning exercises in California. 2012 , 60, 1085-1111	38
1260	Scales of perception: public awareness of regional and neighborhood climates. 2012 , 111, 581-607	46
1259	Atmospheric profiling with the UAS SUMO: a new perspective for the evaluation of fine-scale atmospheric models. 2012 , 116, 15-26	54
1258	Improved tropical cyclone forecasts over north Indian Ocean with direct assimilation of AMSU-A radiances. 2012 , 115, 15-34	25
1257	A case of offshore convective initiation by interacting land breezes near Darwin, Australia. 2012 , 115, 123-137	34
1256	Reduction of systematic biases in regional climate downscaling through ensemble forcing. 2012 , 38, 655-665	28
1255	Uncertainties in simulating regional climate of Southern Africa: sensitivity to physical parameterizations using WRF. 2012 , 38, 613-634	112
1254	Amplified water vapour feedback at high altitudes during winter. 2013 , 33, 897-903	29
1253	Simulation of the Indian summer monsoon regional climate using advanced research WRF model. 2013 , 33, 1195-1210	85
1252	Daytime urban breeze circulation and its interaction with convective cells. 2013 , 139, 401-413	25
1251	Seasonal dependence of WRF model biases and sensitivity to PBL schemes over Europe. 2013 , 139, 501-514	144
1250	Analysis of summertime atmospheric transport of fine particulate matter in Northeast Asia. 2013 , 49, 347-360	23

1249	Mesoscale simulations of multi-decadal variability in the wind resource over Korea. 2013 , 49, 183-192	8
1248	Numerical study on the impacts of the bogus data assimilation and sea spray parameterization on typhoon ducts. 2013 , 27, 308-321	0
1247	Numerical study on the initiation of the severe convective weather in Chongqing on 6 May 2010. 2013 , 27, 364-378	2
1246	Simulation of convectively coupled waves using WRF: a framework for assessing the effects of mesoscales on synoptic scales. 2013 , 27, 473-489	9
1245	Numerical simulation of the heavy rainfall caused by a convection band over Korea: a case study on the comparison of WRF and CReSS. 2013 , 69, 1681-1695	8
1244	Simulation of a flood producing rainfall event of 29 July 2010 over north-west Pakistan using WRF-ARW model. 2013 , 69, 351-363	12
1243	Volcanic ash forecast during the June 2011 Cordón Caulle eruption. 2013 , 66, 389-412	78
1242	Air-Sea Interaction Processes Influencing the Development of A Shapiro-Keyser Type Cyclone over the Subtropical South Atlantic Ocean. 2013 , 170, 917-934	12
1241	Impact of U.S. west coastline inhomogeneity and synoptic forcing on winds, wind stress, and wind stress curl during upwelling season. 2013 , 118, 4036-4051	13
1240	The role of precipitation in aerosol-induced changes in northern hemisphere wintertime stationary waves. 2013 , 41, 647-661	16
1239	Investigation of the Effects of Different Land Use and Land Cover Patterns on Mesoscale Meteorological Simulations in the Taiwan Area. 2013 , 52, 570-587	54
1238	Hospitable archean climates simulated by a general circulation model. 2013 , 13, 656-73	97
1237	Impacts of topography and land cover change on thunderstorm over the Huangshan (Yellow Mountain) area of China. 2013 , 67, 675-699	10
1236	A numerical study of the impact of climate and emission changes on surface ozone over South China in autumn time in 2000-2050. 2013 , 76, 227-237	30
1235	On the Geographic Asymmetry of Typhoon Translation Speed across the Mountainous Island of Taiwan. 2013 , 70, 1006-1022	52
1234	Orographic effects related to deep convection events over the Andes region. 2013 , 120-121, 216-225	9
1233	Uncertainties in a regional climate model in the midlatitudes due to the nesting technique and the domain size. 2013 , 118, 6189-6199	10
1232	Large-Eddy Atmosphere-Land-Surface Modelling over Heterogeneous Surfaces: Model Development and Comparison with Measurements. 2013 , 148, 333-356	40

1231	Wake Response to an Ocean-Feedback Mechanism: Madeira Island Case Study. 2013 , 148, 419-436	17
1230	Numerical Simulation of the Life Cycle of a Persistent Wintertime Inversion over Salt Lake City. 2013 , 148, 399-418	18
1229	Numerical simulation for a wind dust event in the US/Mexico border region. 2013 , 6, 317-331	7
1228	Assimilating QuikSCAT Ocean Surface Winds with the Weather Research and Forecasting Model for Surface Wind-Field Simulation over the Chukchi/Beaufort Seas. 2013 , 148, 207-226	6
1227	Evaluation of the Weather Research and Forecast/Urban Model Over Greater Paris. 2013 , 149, 105-132	47
1226	The Separate Physics and Dynamics Experiment (SPADE) Framework for determining resolution awareness: A case study of microphysics. 2013 , 118, 9258-9276	12
1225	Impact of Low-Level Jets on the Nocturnal Urban Heat Island Intensity in Oklahoma City. 2013 , 52, 1779-1802	56
1224	Analysis of WRF Model Wind Estimate Sensitivity to Physics Parameterization Choice and Terrain Representation in Andalusia (Southern Spain). 2013 , 52, 1592-1609	62
1223	Evaluation of the regional climate model ALADIN to simulate the climate over North America in the CORDEX framework. 2013 , 41, 1117-1137	21
1222	Optimal nudging strategies in regional climate modelling: investigation in a Big-Brother experiment over the European and Mediterranean regions. 2013 , 41, 2451-2470	50
1221	Validating a regional climate model's downscaling ability for East Asian summer monsoonal interannual variability. 2013 , 41, 2411-2426	32
1220	A regional modeling study of the diurnal cycle in the lower troposphere in the south-eastern tropical Pacific. 2013 , 41, 1899-1922	6
1219	A multi-physics ensemble of regional climate change projections over the Iberian Peninsula. 2013 , 41, 1749-1768	26
1218	Precipitation and temperature space-time variability and extremes in the Mediterranean region: evaluation of dynamical and statistical downscaling methods. 2013 , 40, 2687-2705	52
1217	A multi-physics ensemble of present-day climate regional simulations over the Iberian Peninsula. 2013 , 40, 3023-3046	63
1216	The CNRM-CM5.1 global climate model: description and basic evaluation. 2013 , 40, 2091-2121	816
1215	Tropical precipitation regimes and mechanisms of regime transitions: contrasting two aquaplanet general circulation models. 2013 , 40, 2345-2358	22
1214	Dynamical downscaling of IPSL-CM5 CMIP5 historical simulations over the Mediterranean: benefits on the representation of regional surface winds and cyclogenesis. 2013 , 40, 2497-2513	24

1213	Evaluation of regional climate simulations for air quality modelling purposes. 2013 , 40, 2515-2533	35
1212	Downscaling large-scale climate variability using a regional climate model: the case of ENSO over Southern Africa. 2013 , 40, 1141-1168	25
1211	Effects of Spectral Nudging in WRF on Arctic Temperature and Precipitation Simulations. 2013 , 26, 3985-3999	50
1210	Environment and the Lifetime of Tropical Deep Convection in a Cloud-Permitting Regional Model Simulation. 2013 , 70, 2409-2425	19
1209	Objectively Determined Fair-Weather CBL Depths in the ARW-WRF Model and Their Comparison to CASES-97 Observations. 2013 , 141, 30-54	56
1208	Experiments of the WRF three-/four-dimensional variational (3/4DVAR) data assimilation in the forecasting of Antarctic cyclones. 2013 , 120, 145-156	5
1207	Impact of sea surface temperature front on stratus-sea fog over the Yellow and East China Seas □ a case study with implications for climatology. 2013 , 12, 301-311	6
1206	A mesoscale simulation of coastal circulation in the Guadalquivir valley (southwestern Iberian Peninsula) using the WRF-ARW model. 2013 , 124, 1-20	42
1205	Experiments of LAPS wind and temperature analysis with background error statistics obtained using ensemble methods. 2013 , 122, 250-269	2
1204	A study of rotation in thunderstorms in a weakly- or moderately-sheared environment. 2013 , 123, 93-116	6
1203	A modeling analysis of rainfall and water cycle by the cloud-resolving WRF model over the western North Pacific. 2013 , 30, 1695-1711	7
1202	Modeling past and future surface mass balance of the Northern Patagonia Icefield. 2013 , 118, 571-588	51
1201	Impact of biogenic volatile organic compounds on ozone production at the Taehwa Research Forest near Seoul, South Korea. 2013 , 70, 447-453	26
1200	Dynamics of Local Circulations in Mountainous Terrain during the RHUBC-II Project. 2013 , 141, 3641-3656	11
1199	Model Bias in a Continuously Cycled Assimilation System and Its Influence on Convection-Permitting Forecasts. 2013 , 141, 1263-1284	65
1198	Mechanism of Orographic Precipitation around the Meghalaya Plateau Associated with Intraseasonal Oscillation and the Diurnal Cycle. 2013 , 141, 2451-2466	36
1197	Maintenance of the Stratospheric Structure in an Idealized General Circulation Model. 2013 , 70, 3341-3358	14
1196	Stratospheric water vapor feedback. 2013 , 110, 18087-91	167

1195	Evaluation of Modeled Stratocumulus-Capped Boundary Layer Turbulence with Shipborne Data. 2013 , 70, 3895-3919	13
1194	Genesis of Hurricane Julia (2010) within an African Easterly Wave: Low-Level Vortices and Upper-Level Warming. 2013 , 70, 3799-3817	13
1193	Effects of Vertical Shears and Midlevel Dry Air on Tropical Cyclone Developments*. 2013 , 70, 3859-3875	63
1192	Ocean memory effect on the dynamics of coastal heavy precipitation preceded by a mistral event in the northwestern Mediterranean. 2013 , 139, 1583-1597	37
1191	Dynamics of the Foehn Mechanism in the McMurdo Dry Valleys of Antarctica from Polar WRF. 2013 , 139, 1615-1631	32
1190	Verification of precipitable water vapour in high-resolution WRF simulations over a mountainous archipelago. 2013 , 139, 2119-2133	14
1189	A numerical study of the dependence of long-range transport of CO to a mountain station in Taiwan on synoptic weather patterns during the Southeast Asia biomass-burning season. 2013 , 78, 277-290	16
1188	A numerical experiment on the influence of the interannual variation of sea surface temperature on terrestrial precipitation in northern Japan during the cold season. 2013 , 49, 7763-7777	12
1187	Impact of assimilating IASI radiance observations on forecasts of two tropical cyclones. 2013 , 122, 1-18	51
1186	High Resolution Simulation of the Variability of Surface Energy Balance Fluxes Across Central London with Urban Zones for Energy Partitioning. 2013 , 147, 493-523	31
1185	POMI: a model inter-comparison exercise over the Po Valley. 2013 , 6, 701-715	26
1184	Impacts of AirSea Flux Parameterizations on the Intensity and Structure of Tropical Cyclones. 2013 , 141, 2308-2324	86
1183	Upscale Effects of Deep Convection during the North American Monsoon. 2013 , 70, 2681-2695	17
1182	Error features and their possible causes in simulated low-level winds by WRF at a wind farm. 2013 , n/a-n/a	10
1181	On the impact of the vertical resolution on chemistry-transport modelling. 2013 , 67, 370-384	18
1180	Characterizing and understanding radiation budget biases in CMIP3/CMIP5 GCMs, contemporary GCM, and reanalysis. 2013 , 118, 8166-8184	107
1179	Improving simulation of a tropical cyclone using dynamical initialization and large-scale spectral nudging: A case study of Typhoon Megi (2010). 2013 , 27, 455-475	16
1178	Use of dynamical downscaling to improve the simulation of Central U.S. warm season precipitation in CMIP5 models. 2013 , 118, 12,522-12,536	34

1177	. 2013 , 51, 3774-3779	25
1176	High resolution regional climate model simulations for Germany: Part IIProjected climate changes. 2013 , 40, 415-427	51
1175	Impact of chemical and meteorological boundary and initial conditions on air quality modeling: WRF-Chem sensitivity evaluation for a European domain. 2013 , 119, 59-70	18
1174	Real-time prediction of a severe cyclone DalOver Bay of Bengal using a high-resolution mesoscale model WRF (ARW). 2013 , 65, 331-357	18
1173	Impact of AWS observations in WRF-3DVAR data assimilation system: a case study on abnormal warming condition in Odisha. 2013 , 65, 767-798	8
1172	Study of the Indian summer monsoon using WRFROMS regional coupled model simulations. 2013 , 14, 20-27	31
1171	Wavecurrent interaction effects on marine energy converters. 2013 , 73, 106-118	28
1170	A study of control policy in the Pearl River Delta region by using the particulate matter source apportionment method. 2013 , 76, 147-161	89
1169	Sensitivity of WRF to boundary layer parameterizations in simulating a heavy rainfall event using different microphysical schemes. Effect on large-scale processes. 2013 , 132-133, 125-143	51
1168	Lidar investigation of tropical nocturnal boundary layer aerosols and cloud macrophysics. 2013 , 132-133, 65-75	4
1167	Effects of physics packages on medium-range forecasts in a global forecasting system. 2013 , 100-101, 50-58	5
1166	Role of mineral dust, soot, and bacteria in cloud and precipitation formation processes over Indian subcontinent using an atmospheric general circulation model. 2013 , 98, 74-85	6
1165	GPU acceleration of the WSM6 cloud microphysics scheme in GRAPES model. 2013 , 59, 156-162	17
1164	Upward mass fluxes in tropical upper troposphere and lower stratosphere derived from radiative transfer calculations. 2013 , 117, 114-122	17
1163	A Dynamical Initialization Scheme for Real-Time Forecasts of Tropical Cyclones Using the WRF Model*. 2013 , 141, 964-986	62
1162	HABITABLE ZONES AROUND MAIN-SEQUENCE STARS: NEW ESTIMATES. 2013 , 765, 131	897
1161	Latent Heating and Cooling Rates in Developing and Nondeveloping Tropical Disturbances during TCS-08: Radar-Equivalent Retrievals from Mesoscale Numerical Models and ELDORA*. 2013 , 70, 37-55	8
1160	The 8 May 2009 Superderecho: Analysis of a Real-Time Explicit Convective Forecast. 2013 , 28, 863-892	34

1159	Examination of Errors in Near-Surface Temperature and Wind from WRF Numerical Simulations in Regions of Complex Terrain. 2013 , 28, 893-914	106
1158	Green Flight Challenge: Aircraft Design and Flight Planning for Extreme Fuel Efficiency. 2013 , 50, 832-846	23
1157	Verification of Convection-Allowing WRF Model Forecasts of the Planetary Boundary Layer Using Sounding Observations. 2013 , 28, 842-862	120
1156	A comparison of WRF model simulations with SAR wind data in two case studies of orographic lee waves over the Eastern Mediterranean Sea. 2013 , 120-121, 127-146	20
1155	Tropical cyclone predictions over the Bay of Bengal using the high-resolution Advanced Research Weather Research and Forecasting (ARW) model. 2013 , 139, 1810-1825	95
1154	BaP (PAH) air quality modelling exercise over Zaragoza (Spain) using an adapted version of WRF-CMAQ model. 2013 , 183, 151-8	26
1153	The role of mineral-dust aerosols in polar temperature amplification. 2013 , 3, 487-491	54
1152	The Wind Profile in the Coastal Boundary Layer: Wind Lidar Measurements and Numerical Modelling. 2013 , 147, 469-491	45
1151	The global energy balance from a surface perspective. 2013 , 40, 3107-3134	301
1150	Evaluating transport in the WRF model along the California coast. 2013 , 13, 1837-1852	29
1149	Air pollution modeling over very complex terrain: An evaluation of WRF-Chem over Switzerland for two 1-year periods. 2013 , 132-133, 209-222	34
1148	Impact of sea-salt emissions on the model performance and aerosol chemical composition and deposition in the East Mediterranean coastal regions. 2013 , 75, 329-340	17
1147	Impact of surface roughness and soil texture on mineral dust emission fluxes modeling. 2013 , 118, 6505-6520	72
1146	Evaluation of the Sensitivity of the Weather Research and Forecasting Model to Parameterization Schemes for Regional Climates of Europe over the Period 1990-1995. 2013 , 26, 1002-1017	74
1145	The simulation of European heat waves from an ensemble of regional climate models within the EURO-CORDEX project. 2013 , 41, 2555-2575	242
1144	Long-distance dispersal of spruce budworm (<i>Choristoneura fumiferana</i> Clemens) in Minnesota (USA) and Ontario (Canada) via the atmospheric pathway. 2013 , 168, 186-200	31
1143	A New Method to Produce Sea Surface Temperature Using Satellite Data Assimilation into an Atmosphere-Ocean Mixed Layer Coupled Model. 2013 , 30, 2926-2943	4
1142	Effect of implementing ecosystem functional type data in a mesoscale climate model. 2013 , 30, 1373-1386	4

1141	A numerical study on the effect of an extratropical cyclone on the evolution of a midlatitude front. 2013 , 30, 1433-1448	1
1140	Impact of rain snow threshold temperature on snow depth simulation in land surface and regional atmospheric models. 2013 , 30, 1449-1460	18
1139	Characteristics of sea breeze front development with various synoptic conditions and its impact on lower troposphere ozone formation. 2013 , 30, 1461-1478	6
1138	Mesoscale modeling of smoke transport over the Southeast Asian Maritime Continent: Interplay of sea breeze, trade wind, typhoon, and topography. 2013 , 122, 486-503	75
1137	A Study of Nocturnal Surface Wind Speed Overprediction by the WRF-ARW Model in Southeastern Texas. 2013 , 52, 2638-2653	27
1136	Influence of an enhanced traffic volume around beaches in the short period of summer on ozone. 2013 , 71, 376-388	4
1135	Impact of elevated aerosol layer on the cloud macrophysical properties prior to monsoon onset. 2013 , 70, 454-467	68
1134	Comprehensive evaluation of polar weather research and forecasting model performance in the Antarctic. 2013 , 118, 274-292	103
1133	Comparative assessment of evapotranspiration derived from NCEP and ECMWF global datasets through Weather Research and Forecasting model. 2013 , 14, 118-125	52
1132	A down-valley low-level jet event during T-REX 2006. 2013 , 122, 75-90	4
1131	Model simulation of gravity waves triggered by a density current. 2013 , 139, 701-714	14
1130	Upstream Orographic Enhancement of a Narrow Cold-Frontal Rainband Approaching the Andes. 2013 , 141, 1708-1730	43
1129	High resolution regional climate model simulations for Germany: part I validation. 2013 , 40, 401-414	60
1128	Ensemble prediction of coastal flood risk arising from overtopping by linking meteorological, ocean, coastal and surf zone models. 2013 , 139, 298-313	26
1127	Daytime Local Circulations and Their Interactions in the Seoul Metropolitan Area. 2013 , 52, 784-801	42
1126	Application of the Weather Research and Forecasting Model for Air Quality Modeling in the San Francisco Bay Area. 2013 , 52, 1953-1973	32
1125	Typhoon-Position-Oriented Sensitivity Analysis. Part I: Theory and Verification. 2013 , 70, 2525-2546	12
1124	Effects of the Cold Core Eddy on Tropical Cyclone Intensity and Structure under Idealized Air-Sea Interaction Conditions. 2013 , 141, 1285-1303	37

1123	Evaluation of SSMIS Upper Atmosphere Sounding Channels for High-Altitude Data Assimilation. 2013 , 141, 3314-3330	31
1122	Comparing Limited-Area 3DVAR and Hybrid Variational-Ensemble Data Assimilation Methods for Typhoon Track Forecasts: Sensitivity to Outer Loops and Vortex Relocation. 2013 , 141, 4350-4372	38
1121	Intercomparison of Meteorological Forcing Data from Empirical and Mesoscale Model Sources in the North Fork American River Basin in Northern Sierra Nevada, California*. 2013 , 14, 677-699	26
1120	Mesoscale Variations of the Atmospheric Snow Line over the Northern Sierra Nevada: Multiyear Statistics, Case Study, and Mechanisms. 2013 , 70, 916-938	38
1119	NOAA's Second-Generation Global Medium-Range Ensemble Reforecast Dataset. 2013 , 94, 1553-1565	235
1118	Effect of High-Resolution Meteorological Forcing on Nearshore Wave and Current Model Performance. 2013 , 30, 1021-1037	22
1117	The Ensemble Kalman Filter Analyses and Forecasts of the 8 May 2003 Oklahoma City Tornadoic Supercell Storm Using Single- and Double-Moment Microphysics Schemes. 2013 , 141, 3388-3412	120
1116	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. 2013 , 141, 2390-2415	66
1115	Overlapping Interests: The Impact of Geographic Coordinate Assumptions on Limited-Area Atmospheric Model Simulations. 2013 , 141, 2120-2127	5
1114	Simulation of the spatial distribution of mineral dust and its direct radiative forcing over Australia. 2013 , 65, 19856	8
1113	The Role of Cloud Microphysics Parameterization in the Simulation of Mesoscale Convective System Clouds and Precipitation in the Tropical Western Pacific. 2013 , 70, 1104-1128	76
1112	A Nonlinear Response of Sahel Rainfall to Atlantic Warming. 2013 , 26, 7080-7096	19
1111	Uncertainty and Predictability of Tropical Cyclone Rainfall Based on Ensemble Simulations of Typhoon Sinlaku (2008). 2013 , 141, 3517-3538	9
1110	Influence of Mesonet Observations on the Accuracy of Surface Analyses Generated by an Ensemble Kalman Filter. 2013 , 28, 815-841	9
1109	Evaluation of WRF-Predicted Near-Hub-Height Winds and Ramp Events over a Pacific Northwest Site with Complex Terrain. 2013 , 52, 1753-1763	44
1108	Projected Changes in East African Rainy Seasons. 2013 , 26, 5931-5948	74
1107	A WRF Ensemble for Improved Wind Speed Forecasts at Turbine Height. 2013 , 28, 212-228	52
1106	Improving the spin-up of regional EnKF for typhoon assimilation and forecasting with Typhoon Sinlaku (2008). 2013 , 65, 20804	14

1105	Weather Research and Forecasting Model simulations of extended warm-season heavy precipitation episode over the US Southern Great Plains: data assimilation and microphysics sensitivity experiments. 2013 , 65, 19599	10
1104	Evaluation of Cold-Season Precipitation Forecasts Generated by the Hourly Updating High-Resolution Rapid Refresh Model. 2013 , 28, 921-939	29
1103	Inclusion of ash and SO ₂ emissions from volcanic eruptions in WRF-Chem: development and some applications. 2013 , 6, 457-468	34
1102	Physical Mechanisms of Tropopause Polar Vortex Intensity Change. 2013 , 70, 3359-3373	24
1101	Effects of Synoptic-Scale Wind under the Typical Summer Pressure Pattern on the Mesoscale High-Temperature Events in the Osaka and Kyoto Urban Areas by the WRF Model. 2013 , 52, 1764-1778	18
1100	The Impact of the North Atlantic Oscillation on Renewable Energy Resources in Southwestern Europe. 2013 , 52, 2204-2225	85
1099	Assessment of Dynamical Downscaling in Near-Surface Fields with Different Spectral Nudging Approaches Using the Nested Regional Climate Model (NRCM). 2013 , 52, 1576-1591	23
1098	Track and Intensity Forecasting of Hurricanes: Impact of Convection-Permitting Resolution and Global Ensemble Kalman Filter Analysis on 2010 Atlantic Season Forecasts. 2013 , 28, 1366-1384	18
1097	A Numerical Study of the Impacts of Dry Air on Tropical Cyclone Formation: A Development Case and a Nondevelopment Case. 2013 , 70, 91-111	35
1096	The Variability and Predictability of Axisymmetric Hurricanes in Statistical Equilibrium. 2013 , 70, 993-1005	31
1095	Metrics and Diagnostics for Precipitation-Related Processes in Climate Model Short-Range Hindcasts. 2013 , 26, 1516-1534	34
1094	Diagnosing Forecast Errors in Tropical Cyclone Motion. 2013 , 141, 405-430	65
1093	Ensemble Kalman Filter Assimilation of Simulated HIWRAP Doppler Velocity Data in a Hurricane. 2013 , 141, 2683-2704	8
1092	Tornado Pathlength Forecasts from 2010 to 2011 Using Ensemble Updraft Helicity. 2013 , 28, 387-407	59
1091	Dryline Position Errors in Experimental Convection-Allowing NSSL-WRF Model Forecasts and the Operational NAM. 2013 , 28, 746-761	19
1090	The Impact of Large-Scale Forcing on Skill of Simulated Convective Initiation and Upscale Evolution with Convection-Allowing Grid Spacings in the WRF*. 2013 , 28, 994-1018	45
1089	Convective Entrainment and Large-Scale Organization of Tropical Precipitation: Sensitivity of the CNRM-CM5 Hierarchy of Models. 2013 , 26, 2931-2946	64
1088	Impact of radar data assimilation using WRF three-dimensional variational system, for the simulation of a heavy rainfall case in Central Italy. 2013 ,	

1087	The SOCOL version 3.0 chemistry climate model: description, evaluation, and implications from an advanced transport algorithm. 2013 , 6, 1407-1427	95
1086	Numerical issues associated with compensating and competing processes in climate models: an example from ECHAM-HAM. 2013 ,	
1085	Low level jet intensification by mineral dust aerosols. 2013 , 31, 625-632	45
1084	Statistical Assessment of Tropical Convection-Permitting Model Simulations Using a Cell-Tracking Algorithm. 2013 , 141, 557-581	39
1083	Leeside Boundary Layer Confluence and Afternoon Thunderstorms over Mayaguez, Puerto Rico. 2013 , 52, 439-454	12
1082	The Arm Climate Research Facility: A Review of Structure and Capabilities. 2013 , 94, 377-392	218
1081	An Ensemble-Based Four-Dimensional Variational Data Assimilation Scheme. Part III: Antarctic Applications with Advanced Research WRF Using Real Data. 2013 , 141, 2721-2739	26
1080	Evaluation of the Advanced Hurricane WRF Data Assimilation System for the 2009 Atlantic Hurricane Season. 2013 , 141, 523-541	31
1079	Sensitivity of Bow-Echo Simulation to Microphysical Parameterizations. 2013 , 28, 1188-1209	37
1078	Nonlinear Characteristics of Ensemble Perturbation Evolution and Their Application to Forecasting High-Impact Events. 2013 , 28, 1353-1365	24
1077	The Role of Vortex and Environment Errors in Genesis Forecasts of Hurricanes Danielle and Karl (2010). 2013 , 141, 232-251	25
1076	Assimilation of High-Resolution Tropical Cyclone Observations with an Ensemble Kalman Filter Using NOAA/AOML/HRD's HEDAS: Evaluation of the 2008's 1 Vortex-Scale Analyses. 2013 , 141, 1842-1865	44
1075	Impact of Flow Dependence, Column Covariance, and Forecast Model Type on Surface-Observation Assimilation for Probabilistic PBL Profile Nowcasts. 2013 , 28, 29-54	3
1074	Case study of stratospheric gravity waves of convective origin over Arctic Scandinavia: VHF radar observations and numerical modelling. 2013 , 31, 239-250	10
1073	A Highly Configurable Vortex Initialization Method for Tropical Cyclones. 2013 , 141, 3556-3575	11
1072	A Diagnostic Evaluation of Precipitation in CORDEX Models over Southern Africa. 2013 , 26, 9477-9506	86
1071	Assessment of the Performance of CORDEX Regional Climate Models in Simulating East African Rainfall. 2013 , 26, 8453-8475	145
1070	Projections of a Wetter Sahel in the Twenty-First Century from Global and Regional Models. 2013 , 26, 4664-4687	68

1069	Optimally choosing small ensemble members to produce robust climate simulations. 2013 , 8, 044050	62
1068	Modelling the impact of fungal spore ice nuclei on clouds and precipitation. 2013 , 8, 014029	46
1067	A new approach for simultaneously retrieving cloud albedo and cloud fraction from surface-based shortwave radiation measurements. 2013 , 8, 044023	16
1066	A Downscaled Wind Climatology on the Outer Continental Shelf. 2013 , 52, 1878-1890	5
1065	CGILS: Results from the first phase of an international project to understand the physical mechanisms of low cloud feedbacks in single column models. 2013 , 5, 826-842	115
1064	Mechanisms of marine low cloud sensitivity to idealized climate perturbations: A single-LES exploration extending the CGILS cases. 2013 , 5, 316-337	145
1063	Paths to accuracy for radiation parameterizations in atmospheric models. 2013 , 5, 225-233	56
1062	Characterization of photochemical pollution at different elevations in mountainous areas in Hong Kong. 2013 , 13, 3881-3898	54
1061	The GASS/EUCLIPSE model intercomparison of the stratocumulus transition as observed during ASTEX: LES results. 2013 , 5, 483-499	43
1060	Dynamical Downscaling of Austral Summer Climate Forecasts over Southern Africa Using a Regional Coupled Model. 2013 , 26, 6015-6032	21
1059	Using Frontogenesis to Identify Sting Jets in Extratropical Cyclones. 2013 , 28, 603-613	35
1058	Simulations of the Bergen orographic wind shelter. 2013 , 65, 19206	5
1057	Radar radial wind data assimilation using the time-incremental 4D-Var method implemented to the WRFDA system. 2013 , 65, 19677	5
1056	Carbon farming in hot, dry coastal areas: an option for climate change mitigation. 2013 , 4, 237-251	47
1055	Downscaling a global climate model to simulate climate change over the US and the implication on regional and urban air quality. 2013 , 6, 1429-1445	30
1054	Numerical issues associated with compensating and competing processes in climate models: an example from ECHAM-HAM. 2013 , 6, 861-874	18
1053	Influence of microphysical schemes on atmospheric water in the Weather Research and Forecasting model. 2013 ,	1
1052	Numerical Investigation of the Role of Topography in Tornado Events in Greece. 2013 , 209-215	4

1051	Modeling and evaluation of the global sea-salt aerosol distribution: sensitivity to size-resolved and sea-surface temperature dependent emission schemes. 2013 , 13, 11735-11755	50
1050	Lightning forecasting using WRF model over EDP distribution companies areas. 2013 ,	
1049	Aerosol species concentrations and source apportionment of ammonia at Rocky Mountain National Park. 2013 , 63, 1245-63	17
1048	Modeling Wet Snow Accretion on Power Lines: Improvements to Previous Methods Using 50 Years of Observations. 2013 , 52, 2189-2203	39
1047	The role of snow-surface coupling, radiation, and turbulent mixing in modeling a stable boundary layer over Arctic sea ice. 2013 , 118, 1199-1217	53
1046	References. 2013 , 605-716	
1045	Assessing summertime urban air conditioning consumption in a semiarid environment. 2013 , 8, 034022	51
1044	THREE-DIMENSIONAL ATMOSPHERIC CIRCULATION OF HOT JUPITERS ON HIGHLY ECCENTRIC ORBITS. 2013 , 767, 76	63
1043	Ensemble Data Assimilation to Characterize Surface-Layer Errors in Numerical Weather Prediction Models. 2013 , 141, 1804-1821	21
1042	A multisensor evaluation of the asymmetric convective model, version 2, in southeast Texas. 2013 , 63, 41-53	4
1041	Modeling the transport and radiative forcing of Taklimakan dust over the Tibetan Plateau: A case study in the summer of 2006. 2013 , 118, 797-812	109
1040	Uncertainty in atmospheric profiles and its impact on modeled convection development at Nam Co Lake, Tibetan Plateau. 2013 , 118, 12,317-12,331	11
1039	Ozone sensitivity to its precursor emissions in northeastern Mexico for a summer air pollution episode. 2013 , 63, 1221-33	13
1038	Impacts of A Priori Databases Using Six WRF Microphysics Schemes on Passive Microwave Rainfall Retrievals. 2013 , 30, 2367-2381	21
1037	Infrared radiative transfer in atmospheres of Earth-like planets around F, G, K, and M stars. 2013 , 557, A46	15
1036	Modeling the present and future impact of aviation on climate: an AOGCM approach with online coupled chemistry. 2013 , 13, 10027-10048	13
1035	Characterization of coarse particulate matter in the western United States: a comparison between observation and modeling. 2013 , 13, 1311-1327	11
1034	Impacts of the mountain-plains solenoid and cold pool dynamics on the diurnal variation of warm-season precipitation over northern China. 2013 , 13, 6965-6982	40

1033	Evaluation of spatio-temporal variability of Hamburg Aerosol Climatology against aerosol datasets from MODIS and CALIOP. 2013 , 13, 8381-8399	6
1032	Evaluating and constraining ice cloud parameterizations in CAM5 using aircraft measurements from the SPARTICUS campaign. 2013 , 13, 4963-4982	35
1031	Performance of the Line-By-Line Radiative Transfer Model (LBLRTM) for temperature, water vapor, and trace gas retrievals: recent updates evaluated with IASI case studies. 2013 , 13, 6687-6711	72
1030	Application of WRF/Chem-MADRID and WRF/Polyphemus in Europe [Part 1: Model description, evaluation of meteorological predictions, and aerosol/meteorology interactions. 2013 , 13, 6807-6843	30
1029	Uncertainty in modeling dust mass balance and radiative forcing from size parameterization. 2013 , 13, 10733-10753	90
1028	A sensitivity study of radiative fluxes at the top of atmosphere to cloud-microphysics and aerosol parameters in the community atmosphere model CAM5. 2013 , 13, 10969-10987	55
1027	Impacts of seasonal and regional variability in biogenic VOC emissions on surface ozone in the Pearl River delta region, China. 2013 , 13, 11803-11817	57
1026	Marine boundary layer cloud regimes and POC formation in a CRM coupled to a bulk aerosol scheme. 2013 , 13, 12549-12572	41
1025	Modeling a typical winter-time dust event over the Arabian Peninsula and the Red Sea. 2013 , 13, 1999-2014	68
1024	Modeling the impacts of biomass burning on air quality in and around Mexico City. 2013 , 13, 2299-2319	26
1023	Modeling the radiative effects of desert dust on weather and regional climate. 2013 , 13, 5489-5504	49
1022	Modeling air pollution in Lebanon: evaluation at a suburban site in Beirut during summer. 2013 , 13, 5873-5886	19
1021	Monte Carlo-based subgrid parameterization of vertical velocity and stratiform cloud microphysics in ECHAM5.5-HAM2. 2013 , 13, 7551-7565	9
1020	Large differences in reanalyses of diabatic heating in the tropical upper troposphere and lower stratosphere. 2013 , 13, 9565-9576	70
1019	Mesoscale modeling and satellite observation of transport and mixing of smoke and dust particles over northern sub-Saharan African region. 2013 , 118, 12,139-12,157	25
1018	Infrared radiative transfer in atmospheres of Earth-like planets around F, G, K, and M stars. 2013 , 549, A26	12
1017	Source attribution of carbon monoxide in India and surrounding regions during wintertime. 2013 , 118, 1981-1995	50
1016	Effects of spatial resolution in the simulation of daily and subdaily precipitation in the southwestern US. 2013 , 118, 7591-7605	51

1015	Present-climate precipitation and temperature extremes over Spain from a set of high resolution RCMs. 2013 , 58, 149-164	40
1014	Simulating smoke transport from wildland fires with a regional-scale air quality model: Sensitivity to uncertain wind fields. 2013 , 118, 6493-6504	27
1013	Evaluation of the updated YSU planetary boundary layer scheme within WRF for wind resource and air quality assessments. 2013 , 118, 10,490-10,505	130
1012	Investigations on the impact of single direct and indirect, and multiple emission control measures on cold season near surface PM2.5 concentrations in Fairbanks, Alaska. 2013 , 4, 87-100	9
1011	Tracking atmospheric water pathways by direct evaporation tagging: A case study for West Africa. 2013 , 118, 12,345-12,358	38
1010	Assessment of contribution to PM10 concentrations from long range transport of pollutants using WRF/Chem over a subtropical urban airshed. 2013 , 4, 405-410	23
1009	Representing atmospheric moisture content along mountain slopes: Examination using distributed sensors in the Sierra Nevada, California. 2013 , 49, 4424-4441	27
1008	Baffin Island snow extent sensitivity: Insights from a regional climate model. 2013 , 118, 3506-3519	3
1007	Assimilation of T-TREC-retrieved wind data with WRF 3DVAR for the short-term forecasting of typhoon Meranti (2010) near landfall. 2013 , 118, 10,361-10,375	9
1006	Re-examination of the I-5 dust storm. 2013 , 118, 627-642	6
1005	Enhanced vertical mixing associated with a nocturnal cold front passage and its impact on near-surface temperature and ozone concentration. 2013 , 118, 2714-2728	26
1004	Gravity waves generated by deep tropical convection: Estimates from balloon observations and mesoscale simulations. 2013 , 118, 9690-9707	40
1003	Impacts of microphysical scheme on convective and stratiform characteristics in two high precipitation squall line events. 2013 , 118, 11,119-11,135	39
1002	Potential impact of land use change on future regional climate in the Southeastern U.S.: Reforestation and crop land conversion. 2013 , 118, 11,577-11,588	24
1001	Previsão do vento utilizando o modelo atmosférico WRF para o estado de Alagoas. 2013 , 28, 163-172	11
1000	Simulation of a persistent medium-term precipitation event over the western Iberian Peninsula. 2013 , 17, 3741-3758	4
999	A study on WRF radar data assimilation for hydrological rainfall prediction. 2013 , 17, 3095-3110	30
998	Wind shear over the Nice Côte d'Azur airport: case studies. 2013 , 13, 2223-2238	9

997	Physically Based Satellite Methods. 2013 , 49-79	7
996	A regional climate palaeosimulation for Europe in the period 1500-1990 [Part 1: Model validation. 2013 , 9, 1667-1682	25
995	Subtropical-polar jet interactions in Southern Plains dust storms. 2013 , 118, 12,893-12,914	3
994	Dynamical response of the Arctic atmospheric boundary layer process to uncertainties in sea-ice concentration. 2013 , 118, 12,383-12,402	15
993	Characterizing a New Surface-Based Shortwave Cloud Retrieval Technique, Based on Transmitted Radiance for Soil and Vegetated Surface Types. 2013 , 4, 48-71	7
992	Assessment of cruise-ship activity influences on emissions, air quality, and visibility in Glacier Bay National Park. 2013 , 4, 435-445	20
991	Characterization of speciated aerosol direct radiative forcing over California. 2013 , 118, 2372-2388	52
990	MM5 v3.6.1 and WRF v3.5.1 model comparison of standard and surface energy variables in the development of the planetary boundary layer. 2014 , 7, 2693-2707	8
989	The efficiency of the Weather Research and Forecasting (WRF) model for simulating typhoons. 2014 , 14, 2179-2187	5
988	The role of outer rainband convection in governing the eyewall replacement cycle in numerical simulations of tropical cyclones. 2014 , 119, 8049-8072	34
987	Characterizing the radiative impacts of precipitating snow in the ECMWF Integrated Forecast System global model. 2014 , 119, 9626-9637	14
986	Examining future changes in the character of Central U.S. warm-season precipitation using dynamical downscaling. 2014 , 119, 13,116-13,136	30
985	Exploration of discrepancy between radar and gauge rainfall estimates driven by wind fields. 2014 , 50, 8571-8588	16
984	Simulation of semi-arid biomass plantations and irrigation using the WRF-NOAH model [a comparison with observations from Israel. 2014 , 18, 1761-1783	21
983	The impact of assimilating data from a remotely piloted aircraft on simulations of weak-wind orographic flow. 2014 , 66, 25421	6
982	Effect of meteorological forcing and snow model complexity on hydrological simulations in the Sieber catchment (Harz Mountains, Germany). 2014 , 18, 4703-4720	33
981	Coupling the high-complexity land surface model ACASA to the mesoscale model WRF. 2014 , 7, 2917-2932	29
980	Assessment of heavy rainfall-induced disaster potential based on an ensemble simulation of Typhoon Talas (2011) with controlled track and intensity. 2014 , 14, 2699-2709	23

979	Evaluating the performance of SURFEXv5 as a new land surface scheme for the ALADINcy36 and ALARO-0 models. 2014 , 7, 23-39	19
978	Influence of microphysical schemes on atmospheric water in the Weather Research and Forecasting model. 2014 , 7, 147-160	20
977	Application and evaluation of a new radiation code under McICA scheme in BCC_AGCM2.0.1. 2014 , 7, 737-754	41
976	Mesoscale numerical simulations of heavy nocturnal rainbands associated with coastal fronts in the Mediterranean Basin. 2014 , 14, 1185-1194	1
975	The role of subsidence in a weakly unstable marine boundary layer: a case study. 2014 , 21, 489-501	0
974	The coupled atmosphere–chemistry–ocean model SOCOL-MPIOM. 2014 , 7, 2157-2179	28
973	Assessing the CAM5 physics suite in the WRF-Chem model: implementation, resolution sensitivity, and a first evaluation for a regional case study. 2014 , 7, 755-778	56
972	Heavy rainfall episodes over Liguria in autumn 2011: numerical forecasting experiments. 2014 , 14, 1325-1340	87
971	Evaluation of cloud-resolving and limited area model intercomparison simulations using TWP-ICE observations: 1. Deep convective updraft properties. 2014 , 119, 13,891-13,918	76
970	Sensitivity of modeled far-IR radiation budgets in polar continents to treatments of snow surface and ice cloud radiative properties. 2014 , 41, 6530-6537	27
969	Use of the Parcel Buoyancy Minimum (Bmin) to Diagnose Simulated Thermodynamic Destabilization. Part I: Methodology and Case Studies of MCS Initiation Environments. 2014 , 142, 945-966	17
968	Use of the Parcel Buoyancy Minimum (Bmin) to Diagnose Simulated Thermodynamic Destabilization. Part II: Composite Analysis of Mature MCS Environments. 2014 , 142, 967-990	13
967	WRF Model Sensitivity to Land Surface Model and Cumulus Parameterization under Short-Term Climate Extremes over the Southern Great Plains of the United States. 2014 , 27, 7703-7724	38
966	A Numerical Study of Typhoon Megi (2010). Part I: Rapid Intensification. 2014 , 142, 29-48	83
965	Sensitivity of Simulated Wind Speed to Spatial Resolution over Complex Terrain. 2014 , 59, 323-329	32
964	A Study on the Impact of Observation Assimilation on the Numerical Simulation of Tropical Cyclones JAL and THANE Using 3DVAR. 2014 , 171, 2023-2042	19
963	The persistent heavy rainfall over southern China in June 2010: Evolution of synoptic systems and the effects of the Tibetan Plateau heating. 2014 , 28, 540-560	16
962	Investigation of hurricane Ivan using the coupled ocean–atmosphere–wave–sediment transport (COAWST) model. 2014 , 64, 1535-1554	67

961	Numerical Simulations of Outdoor Heat Stress Index and Heat Disorder Risk in the 23 Wards of Tokyo. 2014 , 53, 583-597	26
960	Sensitivity of mesoscale modeling of smoke direct radiative effect to the emission inventory: a case study in northern sub-Saharan African region. 2014 , 9, 075002	42
959	Comparison of Next-Day Convection-Allowing Forecasts of Storm motion on 1- and 4-km Grids. 2014 , 29, 878-893	19
958	Investigation of aerosol indirect effects using a cumulus microphysics parameterization in a regional climate model. 2014 , 119, 906-926	32
957	Representing Forecast Error in a Convection-Permitting Ensemble System. 2014 , 142, 4519-4541	94
956	The Plantraig Stochastic Convection Scheme in ICON and Its Scale Adaptivity. 2014 , 71, 3404-3415	15
955	Predictability and Genesis of Hurricane Karl (2010) Examined through the EnKF Assimilation of Field Observations Collected during PREDICT. 2014 , 71, 1260-1275	11
954	On the Contribution of Longwave Radiation to Global Climate Model Biases in Arctic Lower Tropospheric Stability. 2014 , 27, 7250-7269	32
953	Simulations of Stratus Clouds over Eastern China in CAM5: Sensitivity to Horizontal Resolution. 2014 , 27, 7033-7052	15
952	A tethered-balloon PTRMS sampling approach for surveying of landscape-scale biogenic VOC fluxes. 2014 , 7, 2263-2271	6
951	Simulation of trace gases and aerosols over the Indian domain: evaluation of the WRF-Chem model. 2014 ,	16
950	A Case Study of the Upwind Urbanization Influence on the Urban Heat Island Effects along the SuzhouWuxi Corridor. 2014 , 53, 333-345	8
949	Assessing Impacts of Integrating MODIS Vegetation Data in the Weather Research and Forecasting (WRF) Model Coupled to Two Different Canopy-Resistance Approaches. 2014 , 53, 1362-1380	46
948	Water Budget and Precipitation Efficiency of Typhoon Morakot (2009). 2014 , 71, 112-129	33
947	A Comparison of Two Heavy Rainfall Events during the Terrain-Influenced Monsoon Rainfall Experiment (TiMREX) 2008. 2014 , 142, 2436-2463	32
946	Ensemble Kalman Filter Assimilation of HIWRAP Observations of Hurricane Karl (2010) from the Unmanned Global Hawk Aircraft. 2014 , 142, 4559-4580	6
945	Predictability of Tropical Cyclone Intensity Evaluated through 5-yr Forecasts with a Convection-Permitting Regional-Scale Model in the Atlantic Basin. 2014 , 29, 1003-1023	15
944	Observed Southern Ocean Cloud Properties and Shortwave Reflection. Part I: Calculation of SW Flux from Observed Cloud Properties*. 2014 , 27, 8836-8857	40

943	Simulation of the Summer Monsoon Rainfall over East Asia Using the NCEP GFS Cumulus Parameterization at Different Horizontal Resolutions. 2014 , 29, 1143-1154	29
942	Meteorological impacts of sea-surface temperature associated with the humid airflow from Tropical Cyclone Talas (2011). 2014 , 32, 841-857	1
941	Roles of the Synoptic-Scale Wave Train, the Intraseasonal Oscillation, and High-Frequency Eddies in the Genesis of Typhoon Manyi (2001)*. 2014 , 71, 3706-3722	19
940	Dynamical and Microphysical Evolution during Mixed-Phase Cloud Glaciation Simulated Using the Bulk Adaptive Habit Prediction Model. 2014 , 71, 4158-4180	19
939	Evaluating the Impact of the COSMIC RO Bending Angle Data on Predicting the Heavy Precipitation Episode on 16 June 2008 during SoWMEX-IOP8. 2014 , 142, 4139-4163	21
938	Sensitivity analysis of high-resolution Oceansat-2 scatterometer winds on Thane cyclone simulation. 2014 , 35, 7927-7940	6
937	Summer Season Squall-Line Simulations: Sensitivity of Gravity Waves to Physics Parameterization and Implications for Their Parameterization in Global Climate Models. 2014 , 71, 3376-3391	15
936	A Numerical Investigation of the Precipitation over Lake Victoria Basin Using a Coupled Atmosphere-Lake Limited-Area Model. 2014 , 2014, 1-15	13
935	Genesis of Hurricane Julia (2010) within an African Easterly Wave: Developing and Nondeveloping Members from WRF-ETKF Ensemble Forecasts. 2014 , 71, 2763-2781	8
934	Application of Object-Based Time-Domain Diagnostics for Tracking Precipitation Systems in Convection-Allowing Models. 2014 , 29, 517-542	56
933	Turbulence and Radiation in Stratocumulus-Topped Marine Boundary Layers: A Case Study from VOCALS-REx. 2014 , 53, 117-135	26
932	Evaluating the Accuracy of a High-Resolution Model Simulation through Comparison with MODIS Observations. 2014 , 53, 1046-1058	7
931	A Numeric Study of Regional Climate Change Induced by Urban Expansion in the Pearl River Delta, China. 2014 , 53, 346-362	83
930	Forecast of Icing Events at a Wind Farm in Sweden. 2014 , 53, 262-281	34
929	Impacts of 4DVAR Assimilation of Airborne Doppler Radar Observations on Numerical Simulations of the Genesis of Typhoon Nuri (2008). 2014 , 53, 2325-2343	11
928	Diurnal Radiation Cycle Impact on the Pregenesis Environment of Hurricane Karl (2010). 2014 , 71, 1241-1259	51
927	Characteristics of Convective Processes and Vertical Vorticity from the Tropical Wave to Tropical Cyclone Stage in a High-Resolution Numerical Model Simulation of Tropical Cyclone Fay (2008). 2014 , 71, 896-915	16
926	Impact of Land Surface Initialization Approach on Subseasonal Forecast Skill: A Regional Analysis in the Southern Hemisphere. 2014 , 15, 300-319	28

925	Initiation and Organizational Modes of an Extreme-Rain-Producing Mesoscale Convective System along a Mei-Yu Front in East China. 2014 , 142, 203-221	76
924	Predictability Characteristics of Landfalling Cyclones along the North American West Coast. 2014 , 142, 301-319	15
923	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. 2014 , 142, 183-202	57
922	Multiscale Characteristics and Evolution of Perturbations for Warm Season Convection-Allowing Precipitation Forecasts: Dependence on Background Flow and Method of Perturbation. 2014 , 142, 1053-1073	36
921	Sensitivity of Tropical Cyclone Simulations to Parametric Uncertainties in Air-Sea Fluxes and Implications for Parameter Estimation. 2014 , 142, 2290-2308	29
920	A Numerical Study on the Combined Effect of Midlatitude and Low-Latitude Systems on the Abrupt Track Deflection of Typhoon Megi (2010). 2014 , 142, 2483-2501	12
919	Impacts of Irrigation on the Heat Fluxes and Near-Surface Temperature in an Inland Irrigation Area of Northern China. 2014 , 7, 1300-1317	18
918	An efficient method for discerning climate-relevant sensitivities in atmospheric general circulation models. 2014 ,	
917	The Impact of Plantations on Weather and Climate in Coastal Desert Regions. 2014 , 53, 1143-1169	16
916	Implications of Limited Liquid Water Path on Static Mixing within Arctic Low-Level Clouds. 2014 , 53, 2775-2789	14
915	Regional Assessment of Sampling Techniques for More Efficient Dynamical Climate Downscaling. 2014 , 27, 1524-1538	7
914	Influence of Assimilating Surface Observations on Numerical Prediction of Landfalls of Hurricane Katrina (2005) with an Ensemble Kalman Filter. 2014 , 142, 2915-2934	14
913	Quality of the Target Area for Metrics with Different Nonlinearities in a Mesoscale Convective System. 2014 , 142, 2379-2397	10
912	Modeling the Impacts of a Man-Made Lake on the Meteorological Conditions of the Surrounding Areas. 2014 , 53, 1121-1142	6
911	An adjoint sensitivity-based data assimilation method and its comparison with existing variational methods. 2014 , 66, 21584	1
910	Influence of Surface Observations in Mesoscale Data Assimilation Using an Ensemble Kalman Filter. 2014 , 142, 1489-1508	24
909	An Impact Assessment of GPS Radio Occultation Data on Prediction of a Rapidly Developing Cyclone over the Southern Ocean*. 2014 , 142, 4187-4206	13
908	Synoptic Control of Heavy-Rain-Producing Convective Training Episodes. 2014 , 142, 2464-2482	17

907	GPU-Accelerated Longwave Radiation Scheme of the Rapid Radiative Transfer Model for General Circulation Models (RRTMG). 2014 , 7, 3660-3667	18
906	A Geoscience and Remote Sensing Research Paradigm in Industry [Industrial Profiles]. 2014 , 2, 86-98	
905	On the Performance of the WRF Numerical Model over Complex Terrain on a High Performance Computing Cluster. 2014 ,	1
904	How Do Forecasters Utilize Output from a Convection-Permitting Ensemble Forecast System? Case Study of a High-Impact Precipitation Event. 2014 , 29, 466-486	18
903	Assessing the Predictability of Convection Initiation in the High Plains Using an Object-Based Approach. 2014 , 29, 403-418	27
902	Assimilation of Lightning Data Using a Nudging Method Involving Low-Level Warming. 2014 , 142, 4850-4871	28
901	Air temperature distribution over Mongolia using dynamical downscaling and statistical correction. 2014 , 34, 2464-2476	10
900	Atmosphere-Sea ice interaction in early summer in the Antarctic: evaluation and challenges of a regional atmospheric model. 2014 , 140, 1536-1551	15
899	Physical mechanisms of the thermally driven cross-basin circulation. 2014 , 140, 895-907	5
898	The Red Sea: A Natural Laboratory for Wind and Wave Modeling. 2014 , 44, 3139-3159	58
897	Evaluating the Performance of Planetary Boundary Layer and Cloud Microphysical Parameterization Schemes in Convection-Permitting Ensemble Forecasts Using Synthetic GOES-13 Satellite Observations. 2014 , 142, 163-182	69
896	Regionalizing Rainfall at Very High Resolution over La Runion Island Using a Regional Climate Model. 2014 , 142, 2665-2686	9
895	Verification of Numerical Weather Prediction Model Results for Energy Applications in Latvia. 2014 , 59, 213-220	6
894	Characterizing and Optimizing Precipitation Forecasts from a Convection-Permitting Ensemble Initialized by a Mesoscale Ensemble Kalman Filter. 2014 , 29, 1295-1318	80
893	Day-Ahead Predictability of Complex Terrain Flows for Wind Resource Production: A Case Study of the Washoe Zephyr. 2014 , 29, 1343-1355	7
892	Numerical Simulations of the Genesis of Typhoon Nuri (2008): Sensitivity to Initial Conditions and Implications for the Roles of Intense Convection and Moisture Conditions. 2014 , 29, 1402-1424	8
891	Influence of various land surface parameterization schemes on the simulation of Western Disturbances. 2014 , 21, 635-643	9
890	Ensemble simulations with perturbed physical parametrizations: Pre-HyMeX case studies. 2014 , 140, 1900-1916	20

889	Mechanism of Precipitation Increase with Urbanization in Tokyo as Revealed by Ensemble Climate Simulations. 2014 , 53, 824-839	56
888	Liquid-top mixed-phase cloud detection from shortwave-infrared satellite radiometer observations: A physical basis. 2014 , 119, 8245-8267	17
887	Impact of large-scale atmospheric refractive structures on optical wave propagation. 2014 ,	
886	Comparison of Surface Wind and Temperature Analyses from an Ensemble Kalman Filter and the NWS Real-Time Mesoscale Analysis System. 2014 , 29, 1058-1075	8
885	Seeing and ground meteorology forecast for site quality and observatory operations. 2014 ,	
884	Achieving accurate simulations of urban impacts on ozone at high resolution. 2014 , 9, 114019	13
883	Simulation of a Flash Flooding Storm at the Steep Edge of the Himalayas*. 2014 , 15, 212-228	41
882	The formation of wind curl in the marine atmosphere boundary layer over the East China Sea Kuroshio in spring. 2014 , 13, 883-892	
881	Assimilation of global navigation satellite radio occultation observations in GRAPES: Operational implementation. 2014 , 28, 1061-1074	10
880	Impact of natural aerosols on atmospheric radiation and consequent feedbacks with the meteorological and photochemical state of the atmosphere. 2014 , 119, 1463-1491	32
879	The Role of Vertical Shear on Aviation Turbulence within Cirrus Bands of a Simulated Western Pacific Cyclone. 2014 , 142, 2794-2813	27
878	Contrasting the direct radiative effect and direct radiative forcing of aerosols. 2014 , 14, 5513-5527	131
877	Impact of radar data assimilation for the simulation of a heavy rainfall case in central Italy using WRFBDVAR. 2014 , 7, 2919-2935	18
876	Short ensembles: an efficient method for discerning climate-relevant sensitivities in atmospheric general circulation models. 2014 , 7, 1961-1977	37
875	Low cloud reduction in a greenhouse-warmed climate: Results from Lagrangian LES of a subtropical marine cloudiness transition. 2014 , 6, 91-114	61
874	Physical mechanisms controlling self-aggregation of convection in idealized numerical modeling simulations. 2014 , 6, 59-74	178
873	Fast stratocumulus time scale in mixed layer model and large eddy simulation. 2014 , 6, 206-222	16
872	Sensitivity of the water cycle over the Indian Ocean and Maritime Continent to parameterized physics in a regional model. 2014 , 6, 1095-1120	12

871	The NOW regional coupled model: Application to the tropical Indian Ocean climate and tropical cyclone activity. 2014 , 6, 700-722	27
870	Advection, moistening, and shallow-to-deep convection transitions during the initiation and propagation of Madden-Julian Oscillation. 2014 , 6, 938-949	35
869	Aerosol effects on cirrus through ice nucleation in the Community Atmosphere Model CAM5 with a statistical cirrus scheme. 2014 , 6, 756-776	22
868	Impact of a spectral sampling technique for radiation on ECMWF weather forecasts. 2014 , 6, 1288-1300	4
867	Reflective cool-roofs under aerosol-burdened skies: radiative benefits across selected Indian cities. 2014 , 9, 104014	6
866	Estimations of Hazardous Convective Weather in the United States Using Dynamical Downscaling. 2014 , 27, 6581-6589	44
865	Regional climate modeling on European scales: a joint standard evaluation of the EURO-CORDEX RCM ensemble. 2014 , 7, 1297-1333	550
864	Improving subtropical boundary layer cloudiness in the 2011 NCEP GFS. 2014 , 7, 2107-2120	2
863	A tethered-balloon PTRMS sampling approach for rapid surveying of landscape-scale biogenic VOC fluxes. 2014 ,	
862	Sensitivity of Modeled Precipitation to Sea Surface Temperature in Regions with Complex Topography and Coastlines: A Case Study for the Mediterranean. 2014 , 15, 2370-2396	21
861	Convection-Permitting Forecasts Initialized with Continuously Cycling Limited-Area 3DVAR, Ensemble Kalman Filter, and Hybrid-Variational-Ensemble Data Assimilation Systems. 2014 , 142, 716-738	56
860	Origin and Maintenance of the Long-Lasting, Outer Mesoscale Convective System in Typhoon Fengshen (2008). 2014 , 142, 2838-2859	10
859	Sensitivity analyses of factors influencing CMAQ performance for fine particulate nitrate. 2014 , 64, 374-87	28
858	Reconciling Ground-Based and Space-Based Estimates of the Frequency of Occurrence and Radiative Effect of Clouds around Darwin, Australia. 2014 , 53, 456-478	40
857	Performance evaluation of PBL and cumulus parameterization schemes of WRF ARW model in simulating severe thunderstorm events over Gadanki MST radar facility [Case study. 2014 , 139, 1-17	45
856	Ozone formation along the California-Mexican border region during CalMex 2010 field campaign. 2014 , 88, 370-389	10
855	Relationship between MODIS based Aerosol Optical Depth and PM10 over Croatia. 2014 , 6,	11
854	Evolution of Vertical Moist Thermodynamic Structure Associated with the Indian Summer Monsoon 2010 in a Regional Climate Model. 2014 , 171, 1499-1518	12

853	An Application of the Multi-Physics Ensemble Kalman Filter to Typhoon Forecast. 2014 , 171, 1473-1497	6
852	Lightning forecasting in southeastern Brazil using the WRF model. 2014 , 135-136, 344-362	21
851	Impact of satellite-retrieved atmospheric temperature profiles assimilation on Asian summer monsoon 2010 simulation. 2014 , 116, 317-326	16
850	Evaluating rainfall patterns using physics scheme ensembles from a regional atmospheric model. 2014 , 115, 297-304	49
849	Numerical simulation of the impact of land cover change on regional climate in China. 2014 , 115, 141-152	14
848	Dust deposits on La Graciosa Island (Canary Islands, Spain): Texture, mineralogy and a case study of recent dust plume transport. 2014 , 117, 133-144	30
847	Global seasonal climate predictability in a two tiered forecast system. Part II: boreal winter and spring seasons. 2014 , 42, 1449-1468	6
846	Global seasonal climate predictability in a two tiered forecast system: part I: boreal summer and fall seasons. 2014 , 42, 1425-1448	9
845	Capturing the Atlantic cold tongue and coastal upwelling in an intermediate-level ocean model coupled to a regional climate model. 2014 , 42, 345-366	5
844	Time-lagged impact of spring sensible heat over the Tibetan Plateau on the summer rainfall anomaly in East China: case studies using the WRF model. 2014 , 42, 2885-2898	91
843	How well are daily intense rainfall events captured by current climate models over Africa?. 2014 , 42, 2691-2711	52
842	Predictability of the Meteorological Conditions Favourable to Radiative Fog Formation During the 2011 ParisFog Campaign. 2014 , 150, 277-297	24
841	Modelling of the Thermodynamical Diurnal Cycle in the Lower Atmosphere: A Joint Evaluation of Four Contrasted Regimes in the Tropics Over Land. 2014 , 150, 185-214	12
840	Simulation of the annual and diurnal cycles of rainfall over South Africa by a regional climate model. 2014 , 43, 2207-2226	33
839	The implementation of reverse Kessler warm rain scheme for radar reflectivity assimilation using a nudging approach in New Zealand. 2014 , 50, 283-296	1
838	Impacts of Mixing Processes in Nocturnal Atmospheric Boundary Layer on Urban Ozone Concentrations. 2014 , 150, 107-130	37
837	Land-Surface Heterogeneity Effects in the Planetary Boundary Layer. 2014 , 150, 1-31	11
836	Improvements in WRF simulation skills of southeastern United States summer rainfall: physical parameterization and horizontal resolution. 2014 , 43, 2077-2091	27

835	On the anomalous precipitation enhancement over the Himalayan foothills during monsoon breaks. 2014 , 43, 2009-2031	44
834	Comparison of intra-seasonal forecast of Indian summer monsoon between two versions of NCEP coupled models. 2014 , 118, 331-345	7
833	Dynamic and numerical study of waves in the Tibetan Plateau Vortex. 2014 , 31, 131-138	5
832	A methodological study on using weather research and forecasting (WRF) model outputs to drive a one-dimensional cloud model. 2014 , 31, 230-240	1
831	On the use of nudging techniques for regional climate modeling: application for tropical convection. 2014 , 43, 1693-1714	20
830	Antecedent mid-tropospheric frontogenesis caused by the interaction between a tropical cyclone and midlatitude trough: a case study of Typhoon Rusa (2002). 2014 , 118, 9-24	3
829	k-bin and k-IR: k-distribution methods without correlation approximation for non-fixed instrument response function and extension to the thermal infrared. Applications to satellite remote sensing. 2014 , 133, 382-395	15
828	Are current sensitivity products sufficiently informative in targeting campaigns? A DTS-MEDEX-2009 case study. 2014 , 140, 525-538	6
827	Precipitation frequency analysis based on regional climate simulations in Central Alberta. 2014 , 510, 436-446	19
826	Delayed onset of runaway and moist greenhouse climates for Earth. 2014 , 41, 167-172	74
825	Assessment of uncertainties in the response of the African monsoon precipitation to land use change simulated by a regional model. 2014 , 43, 2765-2775	24
824	Prediction of Indian summer monsoon in short to medium range time scale with high resolution global forecast system (GFS) T574 and T382. 2014 , 42, 1527-1551	23
823	A history of mesoscale model development. 2014 , 50, 121-131	46
822	On the periodicity of atmospheric von K�rm�n vortex streets. 2014 , 14, 1335-1355	17
821	Forcing mechanisms of a heavy precipitation event in the southeastern Adriatic area. 2014 , 72, 1231-1252	12
820	Impact of variational assimilation technique on simulation of a heavy rainfall event over Pune, India. 2014 , 71, 639-658	8
819	Idealized numerical simulations of tropical cyclone formation associated with monsoon gyres. 2014 , 31, 305-315	17
818	Impacts of the lowest model level height on tropical cyclone intensity and structure. 2014 , 31, 421-434	5

817	Atmospheric mesoscale conditions during the Boothbay meteotsunami: a numerical sensitivity study using a high-resolution mesoscale model. 2014 , 74, 55-74	21
816	The atmospheric component of the Mediterranean Sea water budget in a WRF multi-physics ensemble and observations. 2014 , 43, 2349-2375	25
815	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. 2014 , 43, 737-752	11
814	Simulation of severe thunder storm event: a case study over Pune, India. 2014 , 72, 927-943	15
813	Moisture recycling and the maximum of precipitation in spring in the Iberian Peninsula. 2014 , 42, 3207-3231	15
812	Atmospheric and terrestrial water budgets: sensitivity and performance of configurations and global driving data for long term continental scale WRF simulations. 2014 , 42, 2367-2396	17
811	Evaluation of probabilistic precipitation forecast determined from WRF forecasted amounts. 2014 , 116, 649-659	9
810	High-resolution sea wind hindcasts over the Mediterranean area. 2014 , 42, 1857-1872	68
809	Impact of SRTM and Corine Land Cover data on meteorological parameters using WRF. 2014 , 143, 351-370	41
808	Regional modeling of dust mass balance and radiative forcing over East Asia using WRF-Chem. 2014 , 15, 15-30	85
807	Natural and anthropogenic aerosols in the Eastern Mediterranean and Middle East: possible impacts. 2014 , 488-489, 389-97	13
806	The Wind of 120days and dust storm activity over the Sistan Basin. 2014 , 143, 328-341	96
805	Climatology, annual cycle and interannual variability of precipitation and temperature in CORDEX simulations over West Africa. 2014 , 34, 2241-2257	131
804	Influence of atmospheric and sea surface temperature on the size of hurricane Catarina. 2014 , 140, 1778-1784	10
803	Extension of radiative transfer code MOMO, matrix-operator model to the thermal infrared Clear air validation by comparison to RTTOV and application to CALIPSO-IIR. 2014 , 144, 49-67	4
802	Atmospheric teleconnection mechanisms of extratropical North Atlantic SST influence on Sahel rainfall. 2014 , 43, 2797-2811	34
801	Model sensitivity analysis study for western disturbances over the Himalayas. 2014 , 123, 155-180	32
800	Mesoscale modeling of coastal low-level jets: implications for offshore wind resource estimation. 2014 , 17, 1199-1216	50

799	WRF simulations of urban heat island under hot-weather synoptic conditions: The case study of Hangzhou City, China. 2014 , 138, 364-377	110
798	An integrated PM2.5 source apportionment study: Positive Matrix Factorisation vs. the chemical transport model CAMx. 2014 , 94, 274-286	101
797	A modelling investigation into lake-breeze development and convection triggering in the Nam Co Lake basin, Tibetan Plateau. 2014 , 117, 149-167	27
796	Precipitation pattern of the mid-Holocene simulated by a high-resolution regional climate model. 2014 , 31, 962-971	2
795	Numerical simulation and intercomparison of boundary layer structure with different PBL schemes in WRF using experimental observations at a tropical site. 2014 , 145-146, 27-44	83
794	Impact of subgrid-scale vertical turbulent mixing on eyewall asymmetric structures and mesovortices of hurricanes. 2014 , 140, 416-438	34
793	Water Vapor Budget in a Developing Tropical Cyclone and Its Implication for Tropical Cyclone Formation. 2014 , 71, 4321-4332	36
792	Evaluation of Tropical Cyclone Center Identification Methods in Numerical Models. 2014 , 142, 4326-4339	42
791	Numerical Simulations of Island-Induced Circulations and Windward Katabatic Flow over the Guadeloupe Archipelago. 2014 , 142, 850-867	12
790	Mechanisms Governing the Persistence and Diurnal Cycle of a Heavy Rainfall Corridor. 2014 , 71, 4102-4126	24
789	Ocean Mixed Layer responses to intense meteorological events during HyMeX-SOP1 from a high-resolution ocean simulation. 2014 , 84, 84-103	25
788	Sensitivity of southern California wind energy to turbine characteristics. 2014 , 17, 141-159	4
787	An Evaluation of WRF Simulations of Clouds over the Southern Ocean with A-Train Observations. 2014 , 142, 647-667	25
786	ATMOSPHERIC CIRCULATION OF ECCENTRIC HOT JUPITER HAT-P-2B. 2014 , 795, 150	38
785	Improvements to a Tropical Cyclone Initialization Scheme and Impacts on Forecasts. 2014 , 142, 4340-4356	10
784	Impact of the Loess Plateau on the atmospheric boundary layer structure and air quality in the North China Plain: a case study. 2014 , 499, 228-37	113
783	Study of a Sea-Breeze Case through Momentum, Temperature, and Turbulence Budgets. 2014 , 53, 2589-2609	32
782	Objectively Determined Fair-Weather NBL Features in ARW-WRF and Their Comparison to CASES-97 Observations. 2014 , 142, 2709-2732	20

781	Development of an Intense, Warm-Core Mesoscale Vortex Associated with the 8 May 2009 Super Derecho Convective Event*. 2014 , 71, 1218-1240	16
780	The effects of the non-breaking surface wave-induced vertical mixing on the forecast of tropical cyclone tracks. 2014 , 59, 3075-3084	3
779	Sensitivity of the WRF model wind simulation and wind energy production estimates to planetary boundary layer parameterizations for onshore and offshore areas in the Iberian Peninsula. 2014 , 135, 234-246	89
778	Impacts of nonbreaking wave-stirring-induced mixing on the upper ocean thermal structure and typhoon intensity in the South China Sea. 2014 , 119, 5052-5070	14
777	Assessment of SMOS soil moisture retrieval parameters using tau-omega algorithms for soil moisture deficit estimation. 2014 , 519, 574-587	42
776	Impact of satellite rainfall assimilation on Weather Research and Forecasting model predictions over the Indian region. 2014 , 119, 2017-2031	60
775	The Impact of Targeted Dropwindsonde Observations on Tropical Cyclone Intensity Forecasts of Four Weak Systems during PREDICT. 2014 , 142, 2860-2878	17
774	WRF winter extreme daily precipitation over the North American CORDEX Arctic. 2014 , 119, 10,738-10,748	13
773	Reproducing the September 2013 Record-Breaking Rainfall over the Colorado Front Range with High-Resolution WRF Forecasts. 2014 , 29, 393-402	35
772	The Influence of an SST Front on a Heavy Rainfall Event over Coastal Taiwan during TIMREX. 2014 , 71, 3223-3249	13
771	Simulation of TSPs transport and deposition after the Chernobyl Nuclear Power Plant accident and radiological doses over the Anatolian peninsula. 2014 , 499, 74-88	16
770	Influences of soil moisture and vegetation on convective precipitation forecasts over the United States Great Plains. 2014 , 119, 9338-9358	27
769	Cloud properties and radiative effects of the Asian summer monsoon derived from A-Train data. 2014 , 119, 9492-9508	49
768	Improving forecasting of strong convection by assimilating cloud-to-ground lightning data using the physical initialization method. 2014 , 150, 31-41	23
767	Numerical simulation and data assimilation of the water-energy cycle over semiarid northeastern China. 2014 , 57, 2340-2356	11
766	High-resolution prediction of a major convective period over West Africa. 2014 , 140, 1409-1425	18
765	Impact of Land Surface Processes on the South Asian Monsoon Simulations Using WRF Modeling System. 2014 , 171, 2461-2484	18
764	Effects of NO _x and VOCs from five emission sources on summer surface O ₃ over the Beijing-Tianjin-Hebei region. 2014 , 31, 787-800	22

763	A study on the structure and precipitation of Morakot (2009) induced by the Central Mountain Range of Taiwan. 2014 , 123, 115-141	4
762	Precipitation changes due to the introduction of eddy-resolved sea surface temperatures into simulations of the Pasha Bulker Australian east coast low of June 2007. 2014 , 125, 1-15	22
761	Impact of surface observations on simulation of rainfall over NCR Delhi using regional background error statistics in WRF-3DVAR model. 2014 , 125, 17-42	6
760	Observed and simulated sensitivities of summertime urban surface air temperatures to anthropogenic heat in downtown areas of two Japanese Major Cities, Tokyo and Osaka. 2014 , 117, 175-193	33
759	Development of satellite green vegetation fraction time series for use in mesoscale modeling: application to the European heat wave 2006. 2014 , 117, 377-392	8
758	The Third GABLS Intercomparison Case for Evaluation Studies of Boundary-Layer Models. Part B: Results and Process Understanding. 2014 , 152, 157-187	69
757	Evaluation of the Weather Research and Forecasting Mesoscale Model for GABLS3: Impact of Boundary-Layer Schemes, Boundary Conditions and Spin-Up. 2014 , 152, 213-243	81
756	Impact of Megacity Shanghai on the Urban Heat-Island Effects over the Downstream City Kunshan. 2014 , 152, 411-426	19
755	Atmospheric processes responsible for generation of the 2008 Boothbay meteotsunami. 2014 , 74, 25-53	27
754	On improving tropical cyclone track forecasts using a scale-selective data assimilation approach: a case study. 2014 , 73, 1353-1368	4
753	Observational and Numerical Simulation Study of a Sequence of Eight Atmospheric Density Currents in Northern Spain. 2014 , 153, 195-216	15
752	Weather Research and Forecasting prevision model as a tool to search for the best sites for astronomy: application to La Palma, Canary Islands. 2014 , 440, 1964-1970	15
751	Numerical simulation of atmospheric mercury in mid-south USA. 2014 , 7, 525-540	1
750	Impact of cloud microphysics and cumulus parameterization on simulation of heavy rainfall event during 7 th October 2007 over Bangladesh. 2014 , 123, 259-279	14
749	Improvements in medium range weather forecasting system of India. 2014 , 123, 247-258	18
748	Mechanism of a torrential rainstorm that occurred to the west of a Mei-yu frontal low. 2014 , 50, 437-452	3
747	Diagnosis of the secondary circulation of tropical storm Bilis (2006) and the effects of convective systems on its track. 2014 , 28, 252-267	1
746	Impact of period and timescale of FDDA analysis nudging on the numerical simulation of tropical cyclones in the Bay of Bengal. 2014 , 74, 2109-2128	9

745	Sensitivity and uncertainty analysis of mesoscale model downscaled hydro-meteorological variables for discharge prediction. 2014 , 28, 4419-4432	66
744	Estimates of net heat fluxes over the Atlantic Ocean. 2014 , 119, 410-427	20
743	Impact of Turkish ground-based GPS-PW data assimilation on regional forecast: 89 March 2011 heavy snow case. 2014 , 15, 159-165	4
742	Sensitivity of Near-Surface Temperature Forecasts to Soil Properties over a Sparsely Vegetated Dryland Region. 2014 , 53, 1976-1995	40
741	Relationship between latent heat of sea spray and uncertainty of a meteorological field. 2014 , 44, 102-111	3
740	Post-processing of solar irradiance forecasts from WRF model at Reunion Island. 2014 , 105, 99-108	64
739	Sensitivity of biosignatures on Earth-like planets orbiting in the habitable zone of cool M-dwarf Stars to varying stellar UV radiation and surface biomass emissions. 2014 , 98, 66-76	38
738	Performance assessment of three convective parameterization schemes in WRF for downscaling summer rainfall over South Africa. 2014 , 42, 2931-2953	61
737	Evaluation of MM5, WRF and TRAMPER meteorology over the complex terrain of the Po Valley, Italy. 2014 , 89, 797-806	25
736	Investigating the early Earth faint young Sun problem with a general circulation model. 2014 , 98, 77-92	34
735	Introducing Variable-Step Topography (VST) coordinates within dynamically constrained Nonhydrostatic Modeling System (NMS). Part 1: VST formulation within NMS host model framework. 2014 , 66, 28-57	8
734	A study of the nocturnal flows generated in the north side of the Pyrenees. 2014 , 145-146, 244-254	26
733	Effects of changes in observational sites position and surrounding urbanisation on the temperature time series of the city of Trento. 2014 , 10, 509-529	4
732	Sensitivity of air quality to potential future climate change and emissions in the United States and major cities. 2014 , 94, 552-563	44
731	Enhancement in secondary particulate matter production due to mountain trapping. 2014 , 147-148, 227-236	12
730	A comparative study of typhoon wind profiles derived from field measurements, meso-scale numerical simulations, and wind tunnel physical modeling. 2014 , 131, 46-58	19
729	Impacts of different urban canopy schemes in WRF/Chem on regional climate and air quality in Yangtze River Delta, China. 2014 , 145-146, 226-243	83
728	Real-time air quality forecasting over the southeastern United States using WRF/Chem-MADRID: Multiple-year assessment and sensitivity studies. 2014 , 92, 318-338	31

727	Modeling the fallout from stabilized nuclear clouds using the HYSPLIT atmospheric dispersion model. 2014 , 136, 41-55	35
726	Parametrization of instantaneous global horizontal irradiance: clear-sky component. 2014 , 140, 267-280	17
725	Verification of WRF modelled fire weather in the 2009-10 New Zealand fire season. 2014 , 23, 34	9
724	Tropical to extratropical: Marine environmental changes associated with Superstorm Sandy prior to its landfall. 2014 , 41, 8935-8943	20
723	Departure from Clausius-Clapeyron scaling of water entering the stratosphere in response to changes in tropical upwelling. 2014 , 119, 1962-1972	14
722	Retrievals of cloud fraction and cloud albedo from surface-based shortwave radiation measurements: A comparison of 16 year measurements. 2014 , 119, 8925-8940	11
721	Effect of gradients in biomass burning aerosol on shallow cumulus convective circulations. 2014 , 119, 9948-9964	9
720	The role of moist processes in the intrinsic predictability of Indian Ocean cyclones. 2014 , 119, 8032-8048	15
719	The influence of Nunataks on atmospheric boundary layer convection during summer in Dronning Maud Land, Antarctica. 2014 , 119, 6537-6548	7
718	Global simulations of aerosol amount and size using MODIS observations assimilated with an Ensemble Kalman Filter. 2014 , 119, 12,780-12,806	11
717	Modeled dependence of wind and waves on ocean temperature in tropical cyclones. 2014 , 41, 7383-7390	7
716	Parametric sensitivity and calibration for the Kain-Fritsch convective parameterization scheme in the WRF model. 2014 , 59, 135-147	25
715	Applications of the Mean Recentering Scheme to Improve Typhoon Track Prediction: A Case Study of Typhoon Nanmadol (2011). 2014 , 92, 559-584	8
714	Mesoscale modeling of smoke transport over the Southeast Asian Maritime Continent: coupling of smoke direct radiative effect below and above the low-level clouds. 2014 , 14, 159-174	51
713	Online coupled regional meteorology chemistry models in Europe: current status and prospects. 2014 , 14, 317-398	223
712	Impact of various observing systems on weather analysis and forecast over the Indian region. 2014 , 119, 10,232-10,246	8
711	Modeling ultrafine particle growth at a pine forest site influenced by anthropogenic pollution during BEACHON-RoMBAS 2011. 2014 , 14, 11011-11029	9
710	Simulating black carbon and dust and their radiative forcing in seasonal snow: a case study over North China with field campaign measurements. 2014 , 14, 11475-11491	81

709	Source, transport and impacts of a heavy dust event in the Yangtze River Delta, China, in 2011. 2014 , 14, 1239-1254	70
708	Effect of different emission inventories on modeled ozone and carbon monoxide in Southeast Asia. 2014 , 14, 12983-13012	43
707	Direct radiative effect of the Russian wildfires and its impact on air temperature and atmospheric dynamics during August 2010. 2014 , 14, 1999-2013	38
706	Using a WRF simulation to examine regions where convection impacts the Asian summer monsoon anticyclone. 2014 , 14, 2055-2070	22
705	Effects of aerosols on precipitation in north-eastern North America. 2014 , 14, 5111-5125	9
704	What controls the recent changes in African mineral dust aerosol across the Atlantic?. 2014 , 14, 5735-5747	82
703	Investigation of negative cloud radiative forcing over the Indian subcontinent and adjacent oceans during the summer monsoon season. 2014 , 14, 6739-6758	11
702	A High-Resolution (20 m) Simulation of Nighttime Low Temperature Inducing Agricultural Crop Damage with the WRF-LES Modeling System. 2021 , 12, 1562	0
701	Impact of the Assimilation of Multi-Platform Observations on Heavy Rainfall Forecasts in Kong-Chi Basin, Thailand. 2021 , 12, 1497	0
700	Impact of Time Step Size on Different Cumulus Parameterization Schemes in the Numerical Simulation of a Heavy Rainfall Event Over Tamil Nadu, India. 2022 , 179, 399	2
699	Prediction of soil moisture and rainfall induced landslides: A comparison of several PBL parameters in the WRF model. 2021 , 893, 012025	2
698	Midlatitude mixed-phase stratocumulus clouds and their interactions with aerosols: how ice processes affect microphysical, dynamic, and thermodynamic development in those clouds and interactions?. 2021 , 21, 16843-16868	0
697	The Impacts of Microphysics and Terminal Velocities of Graupel/Hail on the Rainfall of Typhoon Fitow (2013) as Seen From the WRF Model Simulations With Several Microphysics Schemes. 2021 , 126, e2020JD033940	2
696	Fog probabilistic forecasting using an ensemble prediction system at six airports in Iran for 10 fog events. 2021 , 28, e2033	0
695	WRF Model Parameterization Around the Highland Titicaca Lake. 2021 , 8, e2021EA001649	0
694	Evaluation the WRF Model with Different Land Surface Schemes: Heat Wave Event Simulations and Its Relation to Pacific Variability over Coastal Region, Karachi, Pakistan. 2021 , 13, 12608	1
693	A versatile method for computing optimized snow albedo from spectrally fixed radiative variables: VALHALLA v1.0. 2021 , 14, 7329-7343	
692	Combinational Optimization of the WRF Physical Parameterization Schemes to Improve Numerical Sea Breeze Prediction Using Micro-Genetic Algorithm. 2021 , 11, 11221	1

691	The Multi-Scale Dynamics Organizing a Favorable Environment for Convective Density Currents That Redirected the Yarnell Hill Fire. 2021 , 9, 170	2
690	Performance Assessment of Global Horizontal Irradiance Models in All-Sky Conditions. 2021 , 14, 7939	0
689	Hybrid Machine Learning for Solar Radiation Prediction in Reduced Feature Spaces. 2021 , 14, 7970	2
688	On the winter overcooling penalty of super cool photonic materials in cities. 2021 , 1, 100009	2
687	Case study of a moisture intrusion over the Arctic with the ICOSahedral Non-hydrostatic (ICON) model: resolution dependence of its representation. 2022 , 22, 173-196	1
686	Overlapping heat and COVID-19 risk in New York City. 2022 , 41, 101081	1
685	Contributions of Anomalous Large-Scale Circulations to the Absence of Tropical Cyclones over the Western North Pacific in July 2020.	0
684	Improvement of PM2.5 forecast over China by the joint adjustment of initial conditions and emissions with the NLS-4DVar method. 2022 , 271, 118896	0
683	Understanding the underlying mechanisms governing the linkage between atmospheric oxidative capacity and ozone precursor sensitivity in the Yangtze River Delta, China: A multi-tool ensemble analysis.. 2021 , 160, 107060	0
682	A quantification of classic but unquantified positive feedback effects in the urban-building-energy-climate system. 2022 , 307, 118227	1
681	Mesoscale simulations of a real onshore wind power base in complex terrain: Wind farm wake behavior and power production. 2022 , 241, 122873	2
680	Attenuated sensitivity of ozone to precursors in Beijing-Tianjin-Hebei region with the continuous NO reduction within 2014-2018.. 2021 , 152589	1
679	Improving PM predictions during COVID-19 lockdown by assimilating multi-source observations and adjusting emissions.. 2021 , 297, 118783	1
678	A novel model to estimate sensible heat fluxes in urban areas using satellite-derived data. 2022 , 270, 112880	1
677	Reliability of Antarctic air temperature changes from Polar WRF: A comparison with observations and MAR outputs. 2022 , 266, 105967	0
676	On the role of aerosols in the production of orographically-induced extreme rainfall in near-maritime environments. 2022 , 268, 106001	2
675	Transport of black carbon from Central and West Asia to the Tibetan Plateau: Seasonality and climate effect. 2022 , 267, 105987	
674	Hydrometeor Classification of Winter Precipitation in Northern China Based on Multi-Platform Radar Observation System. 2021 , 13, 5070	0

673	Evaluation of the Sensitivity of Medicane Ianos to Model Microphysics and Initial Conditions Using Satellite Measurements. 2021 , 13, 4984	2
672	Optically Modulated Passive Broadband Daytime Radiative Cooling Materials Can Cool Cities in Summer and Heat Cities in Winter. 2022 , 14, 1110	2
671	Fine-Scale Structures in the Mid-Level Eyewall of Super Typhoon Rammasun (2014) Simulated With the WRF-LES Framework. 2022 , 9,	0
670	The sensitivity of simulated aerosol climatic impact to domain size using regional model (WRF-Chem v3.6). 2022 , 15, 199-218	
669	Will Anthropogenic Warming Increase Evapotranspiration? Examining Irrigation Water Demand Implications of Climate Change in California. 2022 , 10,	
668	An Evaluation of Convection-Permitting Ensemble Simulations of Coastal Nocturnal Rainfall Over South China During the Early-Summer Rainy Season. 2022 , 127,	0
667	Sensitivity of land-atmosphere coupling strength to changing atmospheric temperature and moisture over Europe. 2022 , 13, 109-132	0
666	ExoCAM: A 3D Climate Model for Exoplanet Atmospheres. 2022 , 3, 7	3
665	Role of Electrical Effects in Intensifying Rainfall Rates in the Tropics. 2022 , 49,	0
664	Prediction of rapid intensification for land-falling extremely severe cyclonic storms in the Bay of Bengal. 2022 , 147, 1359-1377	0
663	Effects of spring Tibetan Plateau land temperature anomalies on early summer floods/droughts over the monsoon regions of South East Asia. 1	1
662	Performance of the Global Forecast System's medium-range precipitation forecasts in the Niger river basin using multiple satellite-based products. 2022 , 26, 167-181	0
661	Impact of Flash Flood Events on the Coastal Waters Around Madeira Island: The "Land Mass Effect" 2022 , 8,	0
660	An assessment of radiative impacts of CO ₂ on baroclinic instability using idealized life cycles.	
659	Combining vLAPS and Nudging Data Assimilation. 2022 , 13, 127	0
658	Land use and anthropogenic heat modulate ozone by meteorology: a perspective from the Yangtze River Delta region. 2022 , 22, 1351-1371	3
657	Modeling Large-Scale Heatwave by Incorporating Enhanced Urban Representation. 2022 , 127,	1
656	Optimization and Evaluation of SO ₂ Emissions Based on WRF-Chem and 3DVAR Data Assimilation. 2022 , 14, 220	5

- 655 Improving the prediction of DNI with physics-based representation of all-sky circumsolar radiation. **2022**, 231, 758-766 1
- 654 Internet GIS-Based Air Quality Monitoring and Forecast System for the Indian Region Using FOSS4G. 0
- 653 Influence of Planetary Boundary Layer (PBL) Parameterizations in the Weather Research and Forecasting (WRF) Model on the Retrieval of Surface Meteorological Variables over the Kenyan Highlands. **2022**, 13, 169 1
- 652 Atmospheric effects of air pollution during dry and wet periods in S̃ Paulo. 0
- 651 Triggering Mechanism of Extreme Wind over the Complex Mountain Area in Dali Region on the Yunnan-Guizhou Plateau, China. **2022**, 13, 133 0
- 650 Sensitivity experiments on the role of moisture in the eastward propagation of MJO. 1 0
- 649 Effects of Air Pollutants on Summer Precipitation in Different Regions of Beijing. **2022**, 13, 141 0
- 648 Processes associated with extremely heavy precipitation in the Meghalaya Plateau region: A case modeling study. 0
- 647 An Analysis of the 3 May 2020 Low-Predictability Derecho Using a Convection-Allowing MPAS Ensemble. **2022**, 37, 219-239 0
- 646 Climate change impacts on tropical cyclones of the Arabian Sea: Projections and uncertainty investigations. 1
- 645 A Single-Column Comparison of Model-Error Representations for Ensemble Prediction. **2022**, 183, 167 0
- 644 Structure Analysis of the Sea Breeze Based on Doppler Lidar and Its Impact on Pollutants. **2022**, 14, 324 1
- 643 Updated Scheme for Data Assimilation of Adaptive Observation'And Application for Typhoon Forecasts Over the Western North Pacific. 0
- 642 Duff burning from wildfires in a moist region: different impacts on PM_{2.5} and ozone. **2022**, 22, 597-624 1
- 641 Impact of land surface processes on the simulation of sea breeze circulation and tritium dispersion over the Kaiga complex terrain region near west coast of India using the Weather Research and Forecasting (WRF) model. **2022**, 13, 100149 0
- 640 Calculating the Climatology and Anomalies of Surface Cloud Radiative Effect Using Cloud Property Histograms and Cloud Radiative Kernels. 1 0
- 639 Error Features in Predicting Typhoon Winds: A Case Study Comparing Simulated and Measured Data. **2022**, 13, 158 0
- 638 Representation of the autoconversion from cloud to rain using a weighted ensemble approach: a case study using WRF v4.1.3. **2022**, 15, 771-786 2

- 637 Understanding the unusual track of Typhoon Lionrock (2016). **2022**,
- 636 Performance of Cloud 3D Solvers in Ice Cloud Shortwave Radiation Closure Over the Equatorial Western Pacific Ocean. **2022**, 14,
- 635 Conservation of dry air, water, and energy in CAM and its potential impact on tropical rainfall. **2022**, 1-74 ○
- 634 Anthropogenic heating of the urban environment: An investigation of feedback dynamics between urban micro-climate and decomposed anthropogenic heating from buildings. **2022**, 213, 108841 1
- 633 The Different Impacts of Emissions and Meteorology on PM2.5 Changes in Various Regions in China: A Case Study. **2022**, 13, 222 ○
- 632 Comparing 3DVAR and hybrid radar data assimilation methods for heavy rain forecast. **2022**, 270, 106062 1
- 631 The Ability of the ICE-T Microphysics Scheme in HARMONIE-AROME to Predict Aircraft Icing. **2022**, 37, 205-217
- 630 Evaluation of high-resolution WRF model forecasts and their use for cloud seeding decisions. **2022**, 228, 105825 ○
- 629 High-resolution modeling of gaseous air pollutants over Tehran and validation with surface and satellite data. **2022**, 270, 118881
- 628 Impact of deep basin terrain on PM distribution and its seasonality over the Sichuan Basin, Southwest China.. **2022**, 300, 118944 ○
- 627 Fully coupled high-resolution medium-range forecasts: evaluation of the hydrometeorological impact in an ensemble framework. 2
- 626 Improving the south America wildfires smoke estimates: Integration of polar-orbiting and geostationary satellite fire products in the Brazilian biomass burning emission model (3BEM). **2022**, 273, 118954 1
- 625 Impacts of future urbanization on urban microclimate and thermal comfort over the Mumbai metropolitan region, India. **2022**, 79, 103703 2
- 624 A multi-scale model for day-ahead wind speed forecasting: A case study of the Houhoku wind farm, Japan. **2022**, 52, 101995 ○
- 623 Genetic Algorithm Selection of the Weather Research and Forecasting Model Physics to Support Wind and Solar Energy.
- 622 The Temperature Anomaly Pattern of the Pacific North/American Teleconnection: Growth and Decay. **2022**,
- 621 Deep generative model for probabilistic wind speed and wind power estimation at a wind farm.
- 620 Association of the shift of the South Asian high in June with the diabatic heating in spring. 1 ○

619	The effect of greenhouse gases concentration and urbanization on future temperature over Guangdong-Hong Kong-Macao Greater Bay Area in China. 1	
618	Diagnosis of second-order turbulent properties of the surface layer for three-dimensional flow based on the Mellor and Yamada model. 2022 ,	0
617	Clear-sky Direct Aerosol Radiative Forcing Uncertainty Associated with Aerosol Optical Properties Based on CMIP6 models. 2022 , 1-37	2
616	7 February Chamoli (Uttarakhand, India) Rock-Ice Avalanche Disaster: Model-Simulated Prevailing Meteorological Conditions. 2022 , 13, 267	2
615	Clear-sky Direct Aerosol Radiative Forcing Uncertainty Associated with Aerosol Vertical Distribution Based on CMIP6 models. 2022 , 1-41	1
614	Simulation of Rapid Intensification of Super Typhoon Lekima (2019). Part II: The Critical Role of Cloud-Radiation Interaction of Asymmetric Convection. 2022 , 9,	0
613	A Machine Learning Assisted Stochastic Cloud Population Model as a Parameterization of Cumulus Convection.	
612	Impact of Wildfires on Meteorology and Air Quality (PM2.5 and O3) over Western United States during September 2017. 2022 , 13, 262	0
611	High-Resolution NWP Forecast Precipitation Comparison over Complex Terrain of the Sierras de Córdoba during RELAMPAGO-CACTI. 2022 , 37, 241-266	1
610	Observation System Simulation Experiments (OSSEs) for Assimilation of the Planetary Boundary Layer Height (PBLH) using the EnSRF Technique.	
609	WRF sensitivity simulations of a dense advection fog event in Istanbul. 2022 , 148, 617	0
608	Modeling the convective boundary layer in the Terra Incognita: Evaluation of different strategies with real-case simulations. 2022 ,	0
607	Sensitivity analysis of the convective-scale AROME model to physical and dynamical parameters.	
606	High-Resolution Modeling of Mesoscale Circulation in the Atmospheric Boundary Layer over a Complex Coastal Area. 2021 , 12, 1649	
605	Characteristics of Precipitation Diurnal Cycle over a Mountainous Area of Sumatra Island including MJO and Seasonal Signatures Based on the 15-Year Optical Rain Gauge Data, WRF Model and IMERG. 2022 , 13, 63	2
604	A Case Study on the Rapid Rain-to-Snow Transition in Late Spring 2018 over Northern China: Effects of Return Flows and Topography. 2022 , 36, 107-127	0
603	Sulfur emissions from consumption by developed and developing countries produce comparable climate impacts. 2022 , 15, 184-189	2
602	Incorporating an urban canopy model with artificial water dissipation into weather research and forecasting: A case study for Beijing. 2022 , 36,	0

601	The Accuracy of Precipitation Forecasts at Timescales of 1–5 Days in the Volta River Basin. 2022 , 14, 937	1
600	Simulation and Analysis of Mesoscale Convective Systems (MCSs) Leading to a Severe Flood Over Iran. 1	
599	Meso- to microscale modeling of atmospheric stability effects on wind turbine wake behavior in complex terrain. 2022 , 7, 367-386	0
598	A Possible Dynamic Mechanism for Rapid Production of the Extreme Hourly Rainfall in Zhengzhou City on 20 July 2021. 2022 , 36, 6-25	9
597	Study on dust occurrence and transportation related to boundary layer height in Northwest China.	
596	A Physical Basis for the Overstatement of Low Clouds at Night by Conventional Satellite Infrared-Based Imaging Radiometer Bi-Spectral Techniques. 2022 , 9,	
595	Impact of urbanization on the thermal environment of the Chengdu–Chongqing urban agglomeration under complex terrain. 2022 , 13, 341-356	1
594	Assimilating Retrieved Water Vapor and Radar Data From NCAR S-PolKa: Performance and Validation Using Real Cases. 2022 ,	0
593	Unique Windward Measurements and a Mesoscale Simulation of an Extremely Long-Lasting Severe Bora Event. 1	0
592	Evaluation of Lightning Prediction by an Electrification and Discharge Model in Long-Term Forecasting Experiments. 2022 , 2022, 1-13	0
591	Importance of aerosols and shape of the cloud droplet size distribution for convective clouds and precipitation. 2022 , 22, 2153-2172	2
590	A Sensitivity Study on High Resolution NWP ICON–IAM Model over Italy. 2022 , 13, 540	0
589	The Contribution of Convection to the Stratospheric Water Vapor: The First Budget Using a Global Storm-Resolving Model. 2022 , 127,	1
588	Convection-permitting modeling strategies for simulating extreme rainfall events over Southeastern South America. 1	
587	Establishing a non-hydrostatic global atmospheric modeling system at 3-km horizontal resolution with aerosol feedbacks on the Sunway supercomputer of China. 2022 ,	2
586	Radiative Cooling, Latent Heating, and Cloud Ice in the Tropical Upper Troposphere. 2022 , 35, 1643-1654	1
585	Determining the sensitive parameters of the Weather Research and Forecasting (WRF) model for the simulation of tropical cyclones in the Bay of Bengal using global sensitivity analysis and machine learning. 2022 , 15, 2133-2155	1
584	Environmental Response in Coupled Energy and Water Cloud Impact Parameters Derived from A-Train Satellites, ERA-Interim, and MERRA-2. 2022 , 61, 261-276	

- 583 A hybrid regional climate downscaling for the southern Brazil coastal region. 2
- 582 Modeling an extreme dust deposition event to the French alpine seasonal snowpack in April 2018: Meteorological context and predictions of dust deposition.
- 581 Diurnal Differences in Tropical Maritime Anvil Cloud Evolution. **2022**, 35, 1655-1677 1
- 580 Responses of arctic sea ice to stratospheric ozone depletion. **2022**, 0
- 579 Effects of Topography and Latent Heat on the Evolution of a Mesoscale Dual-Core Southwest Vortex Over Sichuan Basin, China. **2022**, 10,
- 578 Online Nonlinear Bias Correction in Ensemble Kalman Filter to Assimilate GOES-R All-Sky Radiances for the Analysis and Prediction of Rapidly Developing Supercells. **2022**, 14, 1
- 577 Tracing Atmospheric Anthropogenic Black Carbon and Its Potential Radiative Response Over Pan-Third Pole Region: A Synoptic-Scale Analysis Using WRF-Chem. **2022**, 127, 1
- 576 Improving wind speed forecasts at wind turbine locations over Northern China through assimilating nacelle winds with WRFDA. **2022**,
- 575 Characteristics of long-track tropopause polar vortices. **2022**, 3, 251-278 0
- 574 Diagnostic of the massive flood event and flood hazard mapping in Tons River basin. 1
- 573 A Case Study of the Weather Research and Forecasting Model Applied to the Joint Urban 2003 Tracer Field Experiment. Part III: Boundary-Layer Parametrizations. 1
- 572 The Skill Assessment of Weather and Research Forecasting and WAVEWATCH-III Models During Recent Meteotsunami Event in the Persian Gulf. **2022**, 9, 1
- 571 The Impact of Intra-Seasonal Oscillation on Westward Track Deflection of Super Typhoon Fitow (2013). **2022**, 13, 474
- 570 Sensitivity of low-level clouds and precipitation to anthropogenic aerosol emission in southern West Africa: a DACCWA case study. **2022**, 22, 3251-3273
- 569 Convection-Permitting WRF Simulations of Tropical Cyclones Over the North Indian Ocean. 1 1
- 568 Vorticity Budget and Formation Mechanisms of a Mesoscale Convective Vortex in a Heavy-Rainstorm Episode. **2022**, 13, 556
- 567 Quantification of SO₂ Emission Variations and the Corresponding Prediction Improvements Made by Assimilating Ground-Based Observations. **2022**, 13, 470 1
- 566 Impacts of Coastal Terrain on Warm-Sector Heavy-Rain-Producing MCSs in Southern China. **2022**, 150, 603-624 2

565	Orographic enhancement of rainfall over the Congo Basin. 2022 , 23,	1
564	Localized prediction of rainfall over Odisha using multiple physics ensemble approach. 2022 , 131, 1	0
563	Initiation and Evolution of Long-Lived Eastward-Propagating Mesoscale Convective Systems over the Second-Step Terrain along Yangtze-Huaihe River Valley. 2022 , 39, 763-781	1
562	Combined space- and ground-based GNSS monitoring of two severe hailstorm cases in Bulgaria. 2022 ,	0
561	Impacts of Topographic Complexity on Modeling Moisture Transport and Precipitation over the Tibetan Plateau in Summer. 1	2
560	Tropical cyclogenesis associated with premonsoon climatological dryline over the Bay of Bengal.	
559	Tropospheric Ozone Perturbations Induced by Urban Land Expansion in China from 1980 to 2017.. 2022 ,	0
558	Forecasts of MJO during DYNAMO in a coupled tropical channel model, Part I: impact of parameterization schemes.	1
557	Role of Salinity-Induced Barrier Layer in Air-Sea Interaction During the Intensification of a Typhoon. 2022 , 9,	0
556	The Independent Impacts of PM _{2.5} Dropping on the Physical and Chemical Properties of Atmosphere over North China Plain in Summer during 2015-2019. 2022 , 14, 3930	
555	Impact of assimilating Formosat-7/COSMIC-II GNSS radio occultation data on heavy rainfall prediction in Taiwan. 2022 , 33, 1	0
554	Stratospheric ozone response to sulfate aerosol and solar dimming climate interventions based on the G6 Geoengineering Model Intercomparison Project (GeoMIP) simulations. 2022 , 22, 4557-4579	1
553	Storm-scale predictability and analysis of the 13 April 2020 Central Savannah River Area tornado outbreak. 2022 ,	0
552	Deep Convection as Inferred From the C2OMODO Concept of a Tandem of Microwave Radiometers. 2022 , 3,	
551	The Global Atmosphere-aerosol Model ICON-A-HAM2.3 Initial Model Evaluation and Effects of Radiation Balance Tuning on Aerosol Optical Thickness. 2022 , 14,	0
550	Estimation of turbulence parameters in the atmospheric boundary layer of the Bohai Sea, China, by coherent Doppler lidar and mesoscale model.. 2022 , 30, 13263-13277	1
549	Evaluation of WRF Cumulus Parameterization Schemes for the Hot Climate of Sudan Emphasizing Crop Growing Seasons. 2022 , 13, 572	0
548	Parameter Calibration to Improve the Prediction of Tropical Cyclones over the Bay of Bengal using Machine Learning-based Multi-Objective Optimization. 2022 ,	

547	Preliminary results on estimation of signal fading on telecommunication satellite telemetry signals with hybrid numerical weather prediction and artificial neural network approach under presence of aerosol effect.	
546	Assimilation of crowd-sourced surface observations over Germany into a Regional Weather Prediction System.	1
545	Short-term wind speed forecast for Urla wind power plant: A hybrid approach that couples weather research and forecasting model, weather patterns and SCADA data with comprehensive data preprocessing. 0309524X2210886	
544	Simulations of an extreme rainstorm event (1056.7 mm/day) along the South China coast: The effect of single- and double-moment cloud microphysics schemes on precipitation. 2022 , 230, 105852	0
543	The Impacts of Mid-Level Moisture on the Structure, Evolution and Precipitation of Afternoon Thunderstorms: A Real-Case Modeling Study at Taipei on 14 June 2015. 2022 ,	0
542	Sensitivity of precipitation in the highlands and lowlands of Peru to physics parameterization options in WRFV3.8.1. 2022 , 15, 2859-2879	0
541	Future thermodynamic impacts of global warming on landfalling typhoons and their induced storm surges to the Pearl River Delta region as inferred from high-resolution regional models. 2022 , 1-58	0
540	Future changes in extreme precipitation over the San Francisco Bay Area: Dependence on atmospheric river and extratropical cyclone events. 2022 , 100440	1
539	Influence of the terminal velocity of graupel on the simulation of a convective system over Beijing. 2022 , 106181	0
538	Cascading effects of the Changbai mountains on an extreme weather disaster in northern Japan in January 2021. 2022 , 100439	0
537	Short-term convection-allowing ensemble precipitation forecast sensitivity to resolution of initial condition perturbations and central initial states. 2022 ,	
536	Mid-Holocene European climate revisited: New high-resolution regional climate model simulations using pollen-based land-cover. 2022 , 281, 107431	3
535	Untangling the contribution of input parameters to an artificial intelligence PM2.5 forecast model using the layer-wise relevance propagation method. 2022 , 276, 119034	0
534	Rapid urbanization induced daily maximum wind speed decline in metropolitan areas: A case study in the Yangtze River Delta (China). 2022 , 43, 101147	1
533	How to evaluate the dynamic relevance between landscape pattern and thermal environment on urban agglomeration?. 2022 , 138, 108795	2
532	Nocturnal jets over wind farms in complex terrain. 2022 , 314, 118959	0
531	Effect of dust aerosols on the heat exchange over the Taklimakan Desert. 2022 , 276, 119058	1
530	Development of GRAPES-CUACE adjoint model version 2.0 and its application in sensitivity analysis of ozone pollution in north China.. 2022 , 153879	0

529	WRF ensemble dynamical downscaling of precipitation over China using different cumulus convective schemes. 2022 , 271, 106116	0
528	Evaluation of a new internally-mixed aerosol optics scheme in the weather research and forecasting model. 2022 , 283, 108147	0
527	Performance of HAILCAST and the Lightning Potential Index in simulating hailstorms in Croatia in a mesoscale model Sensitivity to the PBL and microphysics parameterization schemes. 2022 , 272, 106143	0
526	A numerical simulation of a strong windstorm event in the Taebaek Mountain Region in Korea during the ICE-POP 2018. 2022 , 272, 106158	2
525	Modeling the impacts of land use/land cover change on meteorology and air quality during 2000-2018 in the Yangtze River Delta region, China.. 2022 , 154669	0
524	Improving the WRF/urban modeling system in China by developing a national urban dataset. 2022 , 13, 101385	0
523	Improvements on short-term precipitation forecast in Northwest China based on regionally optimized moisture adjustment scheme for convective-scale NWP. 2022 , 273, 106167	
522	Impact of SST on the intensity prediction of Extremely Severe Tropical Cyclones Fani and Amphan in the Bay of Bengal. 2022 , 273, 106151	0
521	Radiance-based assessment of bulk microphysics models with seven hydrometeor species in forecasting Super-typhoon Lekima (2019) near landfall. 2022 , 273, 106173	3
520	Numerical simulation study of the effects of foehn winds on white head incidences in Yamagata Prefecture, Japan. 2021 , 28,	0
519	Unprecedented heavy rainfall event over Yamunanagar, India during 14 July 2016: An observational and modelling study. 2021 , 28,	
518	Diurnal cycle of surface energy fluxes in high mountain terrain: High-resolution fully coupled atmosphere-hydrology modelling and impact of lateral flow. 2021 , 35,	1
517	Combining POLDER-3 satellite observations and WRF-Chem numerical simulations to derive biomass burning aerosol properties over the southeast Atlantic region. 2021 , 21, 17775-17805	0
516	Large-Scale Afforestation Over the Loess Plateau in China Contributes to the Local Warming Trend. 2022 , 127,	1
515	Validation and Projections of Climate Characteristics in the Saginaw Bay Watershed, MI, for Hydrologic Modeling Applications. 2021 , 3,	
514	Optimization of physical schemes in WRF model on cyclone simulations over Bay of Bengal using one-way ANOVA and Tukey's test.. 2021 , 11, 24412	1
513	Avaliaço da Energtica Prevista nos Modelos Regionais BRAMS, ETA e WRF: Parte I - Inverno. 2021 , 36, 775-803	
512	Bias Analysis of WRF-CMAQ Simulated PM2.5 Concentrations Caused by Different PBL Parameterizations: Application to the Haze Period of March in 2019 over the Seoul Metropolitan Area. 2021 , 37, 835-852	0

511	Robustness of neural network emulations of radiative transfer parameterizations in a state-of-the-art general circulation model. 2021 , 14, 7425-7437	4
510	Simulation of atmospheric flow field over the complex terrain of Kaiga using WRF: sensitivity to model resolution and PBL physics. 2022 , 134,	0
509	The Role of Physical Parameterization Schemes in Capturing the Characteristics of Extratropical Cyclones Over the South Pacific Ocean. 2021 , 8,	
508	WRF Rainfall Modeling Post-Processing by Adaptive Parameterization of Raindrop Size Distribution: A Case Study on the United Kingdom. 2022 , 13, 36	0
507	Estimation of Contribution and Emission-to-PM2.5 Conversion Rate by Each Local Government for Policy Support. 2021 , 37, 891-906	1
506	Urbanization Amplifies Nighttime Heat Stress on Warmer Days Over the US. 2021 , 48,	6
505	Impacts of the Wave-Dependent Sea Spray Parameterizations on AirSeaWave Coupled Modeling under an Idealized Tropical Cyclone. 2021 , 9, 1390	1
504	Assimilation of Ground-Based Microwave Radiometer on Heavy Rainfall Forecast in Beijing. 2022 , 13, 74	2
503	Impact of forcing data and land surface properties on snow simulation in a regional climate model: a case study over the Tianshan Mountains, Central Asia. 2021 , 18, 3147-3164	0
502	The Effects of Topography and Urban Agglomeration on the Sea Breeze Evolution over the Pearl River Delta Region. 2022 , 13, 39	
501	The Effect of Using a New Parameterization of Nucleation in the WRF-Chem Model on New Particle Formation in a Passive Volcanic Plume. 2022 , 13, 15	
500	Quantifying Temperature and Precipitation Change Caused by Land Cover Change: A Case Study of India Using the WRF Model. 2021 , 9,	2
499	Evaluation of rainfall and atmospheric parameters during afternoon summer storms over Maca [^] city (Brazil) using WRF numerical model. 2021 , 2, 1	
498	Non-Hydrostatic RegCM4 (RegCM4-NH): model description and case studies over multiple domains. 2021 , 14, 7705-7723	4
497	Atmospheric Pressure and Snowball Earth Deglaciation. 2021 , 126,	
496	Time-Delayed Tandem Microwave Observations of Tropical Deep Convection: Overview of the C2OMODO Mission. 2022 , 3,	0
495	The effectiveness of cool and green roofs in mitigating urban heat island and improving human thermal comfort. 2022 , 109082	2
494	Estimation of the Near-Surface Ozone Concentration with Full Spatiotemporal Coverage across the Beijing-Tianjin-Hebei Region Based on Extreme Gradient Boosting Combined with a WRF-Chem Model. 2022 , 13, 632	0

493	Potential of the Coupled WRF/WRF-Hydro Modeling System for Flood Forecasting in the Oufm ^e River (West Africa). 2022 , 14, 1192	0
492	An improvement of wind gust estimate (WGE) method for squall lines. 2022 , 13, 993-1013	
491	Preliminary evaluation of all-sky radiance assimilation scheme with POD-3DnVar method. 2022 , 106198	2
490	Assimilation of GNSS and Synoptic Data in a Convection Permitting Limited Area Model: Improvement of Simulated Tropospheric Water Vapor Content. 2022 , 10,	1
489	Development and evaluation of an advanced National Air Quality Forecasting Capability using the NOAA Global Forecast System version 16. 2022 , 15, 3281-3313	0
488	Investigation of ice cloud modeling capabilities for the irregularly shaped Voronoi ice scattering models in climate simulations. 2022 , 22, 4809-4825	1
487	Mesoscale Horizontal Kinetic Energy Spectra of an Eastward-Moving Southwest Vortex. 2022 , 13, 653	
486	Development of a forecast-oriented kilometre-resolution ocean-atmosphere coupled system for western Europe and sensitivity study for a severe weather situation. 2022 , 22, 1301-1324	
485	A Polarimetric Radar Operator and Application for Convective Storm Simulation. 2022 , 13, 645	0
484	Numerical study of the amplification effects of cold-front passage on air pollution over the North China Plain.. 2022 , 833, 155231	3
483	Image1.pdf. 2018 ,	
482	Presentation_1.pptx. 2019 ,	
481	Presentation_2.PPTX. 2019 ,	
480	Data_Sheet_1.docx. 2020 ,	
479	Presentation_1.PPTX. 2020 ,	
478	Presentation_2.PPTX. 2020 ,	
477	Presentation_3.PPTX. 2020 ,	
476	Presentation_4.PPTX. 2020 ,	

475	Presentation_5.PPTX. 2020 ,	
474	Presentation_6.pptx. 2020 ,	
473	Effects of Different Momentum Control Variables in Radar Data Assimilation on the Analysis and Forecast of a Strong Convective System in the Northeast China.	
472	?????????????????????. 2022 ,	0
471	Improving the Assimilation of Enhanced Atmospheric Motion Vectors for Hurricane Intensity Predictions with HWRf. 2022 , 14, 2040	1
470	Concentration Characteristics of PM2.5 and the Contributions of Physical and Chemical Processes to its Production during 2019 PM2.5 Episodes in Seoul. 2022 , 38, 220-236	0
469	Revegetation Does Not Decrease Water Yield in the Loess Plateau of China. 2022 , 49,	3
468	Assessing the Impacts of Climate Change on Meteorology and Air Stagnation in China Using a Dynamical Downscaling Method. 2022 , 10,	
467	Measurements on the surface wind pressure characteristics of a thousand-meter scale megatall building by wind tunnel test. 1-25	
466	Forecasts of MJO during DYNAMO in a Coupled Tropical Channel Model: Impact of Planetary Boundary Layer Schemes. 2022 , 13, 666	
465	Seasonal Dependence of Aerosol Data Assimilation and Forecasting Using Satellite and Ground-Based Observations. 2022 , 14, 2123	0
464	Impact of Meteorological Conditions and Human Activities on Air Quality During the COVID-19 Lockdown in Northeast China. 2022 , 10,	0
463	A Modified Double-Moment Bulk Microphysics Scheme Geared toward the East Asian Monsoon Region. 1	0
462	Increased Risk of Extreme Precipitation over an Urban Agglomeration with Future Global Warming.	1
461	A Nonlinear Representation of Model Uncertainty in a Convective-Scale Ensemble Prediction System.	
460	Impact of Different Double-Moment Microphysical Schemes on Simulations of a Bow-Shaped Squall Line in East China. 2022 , 13, 667	1
459	A Spectrum of Convective Self-Aggregation Based on Background Rotation.	0
458	The Sensitivity of Downstream Ridge Building Forecasts to Upstream Warm Conveyor Belt Forecast Uncertainty using MPAS. 2022 ,	

- 457 Smoke in the river: an Aerosols, Radiation and Clouds in southern Africa (AEROCLO-SA) case study. **2022**, 22, 5701-5724 1
- 456 The Role of Aerosol-Radiation Interaction in the Meteorology Prediction at the Weather Scale in the Numerical Weather Prediction Model. **2022**, 49, 0
- 455 Polarimetric Size Sorting Signatures in the Convective Regions of Mesoscale Convective Systems in PECAN: Implications on Kinematics, Thermodynamics, and Precipitation Pathways. **2022**, 127, 0
- 454 An Observing System Simulation Experiment (OSSE) to Study the Impact of Ocean Surface Observation from the Micro Unmanned Robot Observation Network (MURON) on Tropical Cyclone Forecast. **2022**, 13, 779 0
- 453 Effects of Lake Nam Co and Surrounding Terrain on Extreme Precipitation over Nam Co Basin, Tibetan Plateau: A Case Study. 1
- 452 Evaluating the performance of chemical transport models for PM source apportionment: An integrated application of spectral analysis and grey incidence analysis.. **2022**, 837, 155781 0
- 451 Convection Initiation Associated with the Merger of an Immature Sea-Breeze Front and a Gust Front in Bohai Bay Region, North China: A Case Study. **2022**, 13, 750 0
- 450 Sensitivity to Different Reanalysis Data on WRF Dynamic Downscaling for South China Sea Wind Resource Estimations. **2022**, 13, 771 0
- 449 Exploring the impacts of heat release of vehicles on urban heat mitigation in Sendai, Japan using WRF model integrated with urban LCZ. **2022**, 82, 103922 0
- 448 High free-tropospheric Aitken-mode aerosol concentrations buffer cloud droplet concentrations in large-eddy simulations of precipitating stratocumulus. 2
- 447 Examining the regional co-variability of the atmospheric water and energy imbalances in different model configurations linking clouds and circulation. 1
- 446 Observation and simulation of low-level jet impacts on 3-D urban heat islands in Beijing: a case study. **2022**, 0
- 445 The Influences of Monsoon Trough on the Relative Motion of Binary Tropical Cyclones. **2022**, 0
- 444 A Flood Forecasting Framework Coupling a High Resolution WRF Ensemble With an Urban Hydrologic Model. **2022**, 10, 1
- 443 Coupling a New Version of the Common Land Model (CoLM) to the Global/Regional Assimilation and Prediction System (GRAPES): Implementation, Experiment, and Preliminary Evaluation. **2022**, 11, 770 0
- 442 CC-RRTMG_SW++: Further optimizing a shortwave radiative transfer scheme on GPU. 0
- 441 Fog due to stratus lowering: experimental and modelling case study. 0
- 440 Sensitivity of physical schemes on simulation of severe cyclones over Bay of Bengal using WRF-ARW model. 0

- 439 Forecast of Convective Events Via Hybrid Model: Wrf and Machine Learning Algorithms. 0
- 438 Illustration of an Object-Based Approach to Identify Structural Differences in Tropical Cyclone Wind Fields. 1
- 437 An Updated Real-Time Forecasting System for Marine Environments in the North Indian Ocean. **2022**, 9, 0
- 436 Sensitivity to PBL parameterizations on the marine layer cloud simulations in the southern Indian Ocean. **2022**, 134, 0
- 435 Synoptic and mesoscale winds in the complex terrain of Perdigão. **2022**, 2265, 022010 0
- 434 Integral Correction of Initial and Model Errors in System of Multigrid NLS-4DVar Data Assimilation for Numerical Weather Prediction (SNAP). 0
- 433 Evaluating multiple canopy-snow unloading parameterizations in SUMMA with time-lapse photography characterized by citizen scientists. 1
- 432 Impacts of assimilating GOES-16 ABI channels 9 and 10 clear air and cloudy radiance observations with additive inflation and adaptive observation error in GSI-EnKF for a case of rapidly evolving severe supercells. 0
- 431 Observational analysis and numerical simulation of sea breeze using WRF model over the Indian southeast coastal region. **2022**, 134, 0
- 430 Turbulence Effects on the Formation of Cold Fog Over Complex Terrain With Large-Eddy Simulation. **2022**, 49, 0
- 429 Uncertainty Quantification of WRF Model for Rainfall Prediction over the Sichuan Basin, China. **2022**, 13, 838 0
- 428 Evaluation of WRF-Chem model (v3.9.1.1) real-time air quality forecasts over the Eastern Mediterranean. **2022**, 15, 4129-4146 2
- 427 Idealized simulations of the diurnal variation within the tropical cyclone boundary layer. **2022**, 134, 0
- 426 Simulating PM_{2.5} Concentrations during New Year in Cuenca, Ecuador: Effects of Advancing the Time of Burning Activities. **2022**, 10, 264 1
- 425 Effect of the Grell-Freitas Deep Convection Scheme in Quasi-uniform and Variable-resolution Aquaplanet CAM Simulations. 0
- 424 Effect of a Scale-Aware Convective Parameterization Scheme on the Simulation of Convective Cells-Related Heavy Rainfall in South Korea. **2022**, 14, 0
- 423 Impact of Urbanization on Meteorology and Air Quality in Chengdu, a Basin City of Southwestern China. 10, 0
- 422 Investigation of aerosol effects on a deep convection case in Southeast China with budget analysis of hydrometeor mass and latent heat. **2022**, 106275 0

421	Acceleration of tropical cyclone development by cloud-radiative feedbacks. 2022,	1
420	Urban climate changes during the COVID-19 pandemic: integration of urban-building-energy model with social big data. 2022, 5,	0
419	Data assimilation of adaptive observation and application for typhoon forecasts over the Western North Pacific. 2022, 106274	0
418	The Vertical Profile of Radiative Cooling and Lapse Rate in a Warming Climate. 2022, 1-29	1
417	Influence of Aerosol Embedded in Shallow Cumulus Cloud Fields on the Surface Solar Irradiance.	1
416	Real-time automatic detection of starch particles in ambient air. 2022, 323, 109034	1
415	Exploring the ozone pollution over the western Sichuan Basin, Southwest China: The impact of diurnal change in mountain-plains solenoid. 2022, 839, 156264	0
414	Genetic algorithm selection of the weather research and forecasting model physics to support wind and solar energy integration. 2022, 254, 124367	2
413	Understanding organic aerosols in Bogotá, Colombia: In-situ observations and regional-scale modeling. 2022, 284, 119161	0
412	A City-Scale Inverse Modelling Method for Air Pollutant Source Determination.	
411	Radiative and dynamic contributions to the observed temperature trends in the Arctic winter atmosphere.	0
410	Solar GHI Ensemble Prediction Based on a Meteorological Model and Method Kalman Filter. 2022, 2022, 1-17	
409	Evaluation of the Performance of the WRF Model in a Hyper-Arid Environment: A Sensitivity Study. 2022, 13, 985	
408	Congestus mode invigoration by convective aggregation in simulations of radiative-convective equilibrium.	
407	Meteonetwork: An Open Crowdsourced Weather Data System. 2022, 13, 928	
406	Dust Activities Induced by Nocturnal Low-Level Jet Over the Taklimakan Desert From WRF-Chem Simulation. 2022, 127,	1
405	EOS-ESTM: A flexible climate model for habitable exoplanets.	0
404	Impacts of the Thermal Gradient on Inland Advecting Sea Breezes in the Southeastern United States. 2022, 13, 1004	3

403	A Numerical Investigation of the Effect of Wave-induced Mixing on Tropical Cyclones using a Coupled Ocean-Atmosphere-Wave Model.	1
402	Transport of substantial stratospheric ozone to the surface by a dying typhoon and shallow convection. 2022 , 22, 8221-8240	0
401	Reconstruction of Violent Tornado Environments in Europe: High-Resolution Dynamical Downscaling of ERA5. 2022 , 49,	0
400	The diurnal cycle of the lightning potential index over the Mexican tropical continental region during tropical cyclone Bud.	
399	Exploring drivers of the aggravated surface O ₃ over North China Plain in summer of 2015–2019: Aerosols, precursors, and meteorology. 2022 ,	1
398	Performance assessment of WRF model radiation schemes in simulating the track and intensity of the super cyclonic storm Φ mphani	
397	Study of Mesoscale Convective System and its Associated Cloud Structure over Indian Region Using Satellite Observations and Model Simulations.	
396	Local and non-local atmospheric effects of abnormal soil moisture over Indochina during May and June.	0
395	Performance Evaluation of Planetary Boundary Layer Schemes in Simulating Structures of Wintertime Lower Troposphere in Seoul Using One-Hour Interval Radiosonde Observation. 2022 , 12, 6356	
394	Precipitable Water Content Climatology over Poland. 2022 , 13, 988	
393	Cool-Season Evaluation of FV3-LAM-Based CONUS-Scale Forecasts with Physics Configurations of Experimental RRFs Ensembles. 2022 ,	0
392	Estimation of particulate matter pollution using WRF-Chem during dust storm event over India. 2022 , 44, 101202	
391	Lisbon urban heat island in future urban and climate scenarios. 2022 , 44, 101218	0
390	Diurnal impact of atmospheric stability on inter-farm wake and power generation efficiency at neighboring onshore wind farms in complex terrain. 2022 , 267, 115897	2
389	Anthropogenic pollutants could enhance aridity in the vicinity of the Taklimakan Desert: A case study. 2022 , 838, 156574	0
388	Predictive skill comparative assessment of WRF 4DVar and 3DVar data assimilation: An Indian Ocean tropical cyclone case study. 2022 , 277, 106288	
387	Nexus of ambient flow and squall line via turbulence in the March 2018 meso-scale convective system over Southeast China. 2022 , 277, 106287	
386	Four year long simulation of carbonaceous aerosols in India: Seasonality, sources and associated health effects. 2022 , 213, 113676	0

385	Impact of Inhomogeneous Urban Morphology on Urban Heat Island and Air-Conditioning Load During Heat Wave Event.	
384	Effects of Distant Organized Convection on Forecasts of Widespread Clear-Air Turbulence. 2022,	o
383	A stochastic and nonlinear representation of model uncertainty in a convective-scale ensemble prediction system.	
382	Formation processes and source contributions of ground-level ozone in urban and suburban Beijing using the WRF-CMAQ modelling system. 2022,	o
381	The Impact of High-Resolution SRTM Topography and Corine Land Cover on Lightning Calculations in WRF. 2022, 13, 1050	
380	The Influence of Urbanization on the Development of a Convective Storm—A Study for the Belm Metropolitan Region, Brazil. 2022, 13, 1026	
379	A New Chemistry-Climate Model GRIMs-CCM: Model Evaluation of Interactive Chemistry-Meteorology Simulations.	o
378	Rice yield reductions due to ozone exposure and the roles of VOCs and NO _x in ozone production in Japan. 2022, 78, 89-100	1
377	Regulation of Synoptic Circulation in Regional PM 2.5 Transport for Heavy Air Pollution: Study of 5-year Observation Over Central China. 2022, 127,	1
376	Examination of aerosol impacts on convective clouds and precipitation in two metropolitan areas in East Asia; how varying depths of convective clouds between the areas diversify those aerosol effects?. 2022, 22, 9059-9081	
375	On the Influences of Urbanization on the Extreme Rainfall over Zhengzhou on 20 July 2021: A Convection-Permitting Ensemble Modeling Study.	1
374	Simulation of analysis error contributions arising from uncertainties in the parameterisation of deep convection.	
373	Characteristic Differences of CrIS All-sky Simulations of Brightness Temperature with Different Microphysics Parameterization Schemes. 2022,	
372	Acceleration of the southern African easterly jet driven by the radiative effect of biomass burning aerosols and its impact on transport during AEROCLO-SA. 2022, 22, 8639-8658	o
371	Moist Static Energy and Secondary Circulation Evolution Characteristics during the Rapid Intensification of Super Typhoon Yutu (2007). 2022, 13, 1105	1
370	Sensitivity analysis of weather research and forecasting (WRF) model output variables to the thunderstorm lifecycle and its application.	o
369	Pollution severity-regulated effects of roof strategies on China's winter PM2.5. 2022, 5,	o
368	Diagnostics of Tropical Variability for Numerical Weather Forecasts. 2022,	o

- 367 Collective influences of boundary layer process and synoptic circulation on particulate pollution: A new study in changsha-zhuzhou-xiangtan urban agglomeration of central china. 10, 0
- 366 Partial Control of the Gulf of Mexico Dynamics by the Current Feedback to the Atmosphere. **2022**, 1
- 365 Machine Learning-Derived Severe Weather Probabilities from a Warn-on-Forecast System. **2022**,
- 364 Neutral Mode Dominates the Forced Global and Regional Surface Temperature Response in the Past and Future.
- 363 INVESTIGATION INTO THE UNCERTAINTY OF INITNIAL AND BOUNDARY CONDITIONS IN THE HINDCAST OF FLOW FIELDS OVER URBAN AREA USING A MESO-SCALE NUMERICAL WEATHER PREDICTION MODEL. **2022**, 87, 460-471
- 362 Comprehensive assessment of global atmospheric downward longwave radiation in the state-of-the-art reanalysis using satellite and flux tower observations. 0
- 361 Essential dynamics of the vertical wind shear affecting the secondary eyewall formation in tropical cyclones. **2022**, 1
- 360 Hourly Seamless Surface O3 Estimates by Integrating the Chemical Transport and Machine Learning Models in the Beijing-Tianjin-Hebei Region. **2022**, 19, 8511 0
- 359 Effect of Vertical Wind Shear on PM2.5 Changes over a Receptor Region in Central China. **2022**, 14, 3333 0
- 358 Multivariate ensemble sensitivity analysis applied for an extreme rainfall over Indian subcontinent. **2022**, 277, 106324
- 357 Evaluation of planetary boundary layer schemes in WRF model for simulating sea-land breeze in Shanghai, China. **2022**, 278, 106337 0
- 356 Impacts of dropsonde and satellite observations on the forecasts of two atmospheric-river-related heavy rainfall events. **2022**, 278, 106327 2
- 355 Dynamical downscaling of temperature extremes over China using the WRF model driven by different lateral boundary conditions. **2022**, 278, 106348 0
- 354 Effects of Direct Assimilation of FY-4A AGRI Water Vapor Channels on the Meiyu Heavy-Rainfall Quantitative Precipitation Forecasts. **2022**, 14, 3484 2
- 353 Strong control of effective radiative forcing by the spatial pattern of absorbing aerosol. 2
- 352 Simulating Dropsondes to Assess Moist Static Energy Variability in Tropical Cyclones.
- 351 Atmospheric Overturning Circulation on Dry, Tidally Locked Rocky Planets Is Mainly Driven by Radiative Cooling. **2022**, 3, 171
- 350 Extreme rainfall events in the Rio de Janeiro city (Brazil): description and a numerical sensitivity case study. **2022**, 134,

- 349 Sensitivity of surface roughness parameters on the simulation of boundary layer winds over a complex terrain site Kaiga in western India. **2022**, 134,
- 348 Isotopic equilibration in convective downdrafts. 2
- 347 A Year-Long Total Lightning Forecast over Italy with a Dynamic Lightning Scheme and WRF. **2022**, 14, 3244
- 346 Improving the prediction of heavy rainfall with rapid-update dual-resolution hybrid En3DVar assimilation of all-sky AHI infrared water vapor radiances. **2022**, 106352
- 345 Incorporation and improvement of a heterogeneous chemistry mechanism in the atmospheric chemistry model GRAPES_Meso5.1/CUACE and its impacts on secondary inorganic aerosol and PM2.5 simulations in Middle-Eastern China. **2022**, 157530 0
- 344 Influence of Assimilating Wind Profiling Radar Observations in Distinct Dynamic Instability Regions on the Analysis and Forecast of an Extreme Rainstorm Event in Southern China. **2022**, 14, 3478 2
- 343 Increasing model vertical resolution may not necessarily lead to improved atmospheric predictability. **2022**, 32, 073120 0
- 342 Evaluate Radar Data Assimilation in Two Momentum Control Variables and the Effect on the Forecast of Southwest China Vortex Precipitation. **2022**, 14, 3460 0
- 341 Changes in a Bottom-Up Vehicular Emissions Inventory and Its Impact on Air Pollution During COVID-19 Lockdown in São Paulo, Brazil. 4,
- 340 Radiative closure and cloud effects on the radiation budget based on satellite and shipborne observations during the Arctic summer research cruise, PS106. **2022**, 22, 9313-9348 0
- 339 TransClim (v1.0): a chemistry-climate response model for assessing the effect of mitigation strategies for road traffic on ozone. **2022**, 15, 5883-5903
- 338 Impacts of wave feedbacks and planetary boundary layer parameterization schemes on air-sea coupled simulations: A case study for Typhoon Maria in 2018. **2022**, 278, 106344 0
- 337 Impact of Assimilating Atmospheric Motion Vectors from Himawari-8 and Clear-Sky Radiance from FY-4a Giirs on Binary Typhoons in a Convection-Permitting Model.
- 336 Development of Forecast System for the Upwelled Coastal Cold Waters in the Eastern Coast of Korea. **2022**, 9, 207-215
- 335 Impacts of Transition Approach of Water Vapor-Related Microphysical Processes on Quantitative Precipitation Forecasting. **2022**, 13, 1133
- 334 Forecasts of the Warm-Sector Heavy Rainfall With a Warm Shear Pattern Over Coastal Areas of the Yangtze-Huaihe River in a Regional Business Forecast Model. 10, 0
- 333 Influence of spatial resolution in mesoscale modeling to reproduce wind power production in southern Mexico. **2022**, 14, 043303
- 332 The Influence of a Cold Front and Topography on the Initiation and Maintenance of a Precipitation Convective System in North China: A Case Study. **2022**, 19, 9484

- 331 Impact of a subtropical high and a typhoon on a severe ozone pollution episode in the Pearl River Delta, China. **2022**, 22, 10751-10767 2
- 330 Cloud Feedback on Earth's Long-Term Climate Simulated by a Near-Global Cloud-Permitting Model. **2022**, 49, 1
- 329 Mesoscale impact of the sea surface on the performance of offshore wind farms¹. **2022**, 133741 0
- 328 Impact of Lidar Data Assimilation on Simulating Afternoon Thunderstorms near Pingtung Airport, Taiwan: A Case Study. **2022**, 13, 1341
- 327 Preliminary Application of a Multi-Physical Ensemble Transform Kalman Filter in Cloud and Precipitation Forecasts. **2022**, 13, 1359
- 326 Assimilation of Polarimetric Radar Observation With GSI Cloud Analysis for the Prediction of a Squall Line. **2022**, 49, 1
- 325 Spurious effects of the deep convection parameterization on the simulation of a Sahelian heatwave.
- 324 Impacts of combined microphysical and land-surface uncertainties on convective clouds and precipitation in different weather regimes. **2022**, 22, 10841-10860 0
- 323 Exploring ENSO-Induced Anomalies over North America in Historical and Future Climate Simulations That Use HadGEM2-ESM Output to Drive WRF. **2022**, 10, 117
- 322 A tool for generating fast k -distribution gas-optics models for weather and climate applications. 1
- 321 Climate change is increasing the risk of a California megaflood. **2022**, 8, 6
- 320 The Impact of Assimilating Winds Observed during a Tropical Cyclone on a Forecasting Model. **2022**, 13, 1302
- 319 Numerical Simulation of a Giant-Hail-Bearing Mediterranean Supercell in the Adriatic Sea. **2022**, 13, 1219 1
- 318 Disentangling the Contribution of Moisture Source Change to Isotopic Proxy Signatures: Deuterium Tracing with WRF-Hydro-Iso-Tag and Application to Southern African Holocene Sediment Archives. **2022**, 1-58
- 317 Characterizing the impacts of turbulence closures on real hurricane forecasts: A comprehensive joint assessment of grid resolution, horizontal turbulence models, and horizontal mixing length.
- 316 Investigation of Ocean Sub-Surface Processes in Tropical Cyclone Phailin Using a Coupled Modeling Framework: Sensitivity to Ocean Conditions. **2022**, 3, 364-388 0
- 315 Extension and Evaluation of University of Washington Moist Turbulence Scheme to Gray-Zone Scales. **2022**, 14,
- 314 Training Physics-Based Machine-Learning Parameterizations With Gradient-Free Ensemble Kalman Methods. **2022**, 14, 1

313	Aerosol-radiation interaction in the operational atmospheric chemistry model GRAPES_Meso5.1/CUACE and its impacts on mesoscale NWP in Beijing-Tianjin-Hebei, China. 2022 , 106402	0
312	Black carbon health impacts in the Indo-Gangetic plain: Exposures, risks, and mitigation. 2022 , 8,	0
311	Study on Urban Thermal Environment in Beijing Based on Local Climate Zone Method. 2022 , 14, 9503	
310	Improved quantitative prediction of power outages caused by extreme weather events. 2022 , 37, 100487	0
309	Source apportionment of air pollution in European urban areas: Lessons from the ClairCity project. 2022 , 320, 115899	1
308	Adaptability evaluation of boundary layer schemes for simulation of sea and land breeze circulation in the west coast of the Yellow Sea. 2022 , 278, 106354	0
307	Assimilation of the pseudo-water vapor derived from extrapolated radar reflectivity to improve the forecasts of convective events. 2022 , 279, 106386	0
306	Forecast of convective events via hybrid model: WRF and machine learning algorithms. 2022 , 16, 100099	
305	Modelled impact of ocean warming on tropical cyclone size and destructiveness over the Bay of Bengal: A case study on FANI cyclone. 2022 , 279, 106355	1
304	A new perspective on the orographic effect of the windward slope on the multi-scale eastward-Moving southwest vortex systems. 2022 , 279, 106365	0
303	Interaction of the Sea Breeze with the Urban Area of Rome: WRF Mesoscale and WRF Large-Eddy Simulations Compared to Ground-Based Observations.	2
302	Impact of Radar and Surface Data Assimilation on the Forecast of a Nocturnal Squall Line in the Yangtze-Huaihe River. 2022 , 13, 1522	0
301	Comprehensive Satellite Observations and a Numerical Study of a Wintertime Shallow Sea Smoke Event in the Yellow Sea. 2022 ,	0
300	On the Relative Importance of Stratospheric and Tropospheric Drivers for the North Atlantic Jet Response to Sudden Stratospheric Warming Events. 2022 , 35, 2851-2865	1
299	Observation and simulation of a heavy fog event in Qiongzhou Strait. 2022 , 240, 105958	0
298	The Tibetan Plateau as dust aerosol transit station in middle troposphere over northern East Asia: A case study. 2022 , 280, 106416	0
297	A case study of evaluating the GRAPES_Meso V5.0 forecasting performance utilizing observations from South China Sea Experiment 2020 of the Betrel Project 2022 , 280, 106437	1
296	Potential benefit of electric vehicles in counteracting future urban warming: A case study of Hong Kong. 2022 , 87, 104200	0

- 295 Effects of different momentum control variables in radar data assimilation on the analysis and forecast of strong convective systems under the background of northeast cold vortex. **2022**, 280, 106415 1
- 294 Remote Effect of Kuroshio Warm SSTs in the East China Sea on Heavy Rainfall in Southern Kyushu, Japan, on 3 July 2020. **2022**, 18, 205-210 0
- 293 Preliminary Results of the AEROMET Project on the Assimilation of the Rain-Rate from Satellite Observations. **2022**, 527-539 0
- 292 Role of changing land use and land cover on the 2018 megafloods over Kerala, India. 1
- 291 Impact of Assimilating Atmospheric Motion Vectors from Himawari-8 and Clear-Sky Radiance from FY-4a Giirs on Binary Typhoons in a Convection-Permitting Model. 0
- 290 A convection-permitting and limited-area model hindcast driven by ERA5 data: precipitation performances in Italy. 0
- 289 Simulations of a Persistent Heat Wave Event in Missouri in Summer 2012 Using a High-Resolution WRF Model. **2022**, 36, 631-642 0
- 288 Glacier parameterization in SLAV numerical weather prediction model. **2022**, 37, 189-201 0
- 287 Temperatures of Anvil Clouds and Radiative Tropopause in a Wide Array of Cloud-Resolving Simulations. **2022**, 1-31 0
- 286 Assessment of the data assimilation framework for the Rapid Refresh Forecast System v0.1 and impacts on forecasts of a convective storm case study. **2022**, 15, 6891-6917 0
- 285 Comparison of Urban Canopy Schemes and Surface Layer Schemes in the Simulation of a Heatwave in the Xiongan New Area. **2022**, 13, 1472 0
- 284 Cloud adjustments from large-scale smoke-circulation interactions strongly modulate the southeastern Atlantic stratocumulus-to-cumulus transition. **2022**, 22, 12113-12151 2
- 283 On the Intercontinental Transferability of Regional Climate Model Response to Severe Forestation. **2022**, 10, 138 0
- 282 Analyzing Relationships Between Tropical Cyclone Intensity and Rain Rate over the Ocean Using Numerical Simulations. **2022**, 1-24 0
- 281 Analysis and impact of the Hunga Tonga-Hunga Haʻapai Stratospheric Water Vapor Plume. 5
- 280 Assessing the impact of the recent warming in the East China Sea on a torrential rain event in northern Kyushu (Japan) in early July 2017. 4, 0
- 279 The TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI). I. Dry Cases—the Fellowship of the GCMs. **2022**, 3, 211 0
- 278 A decomposition of the atmospheric and surface contributions to the outgoing longwave radiation. 0

277	Role of a Pacific Easterly Wave in the Genesis of Hagupit (2008). 2022,	0
276	Increasing typhoon impact and economic losses due to anthropogenic warming in Southeast China. 2022, 12,	0
275	Evaluation of orography and roughness model inputs and deep neural network regression for wind speed predictions.	0
274	Significant Effective Radiative Forcing of Stratospheric Wildfire Smoke. 2022, 49,	1
273	A Bias Correction Scheme with the Symmetric Cloud Proxy Variable and Its Influence on Assimilating All-Sky GOES-16 Brightness Temperatures. 2022,	0
272	Investigation of the uncertainty of initial and boundary conditions in the hindcasts of flow fields over urban areas using a mesoscale numerical weather prediction model.	0
271	Further improvement and evaluation of nudging in the E3SM Atmosphere Model version 1 (EAMv1): simulations of the mean climate, weather events, and anthropogenic aerosol effects. 2022, 15, 6787-6816	0
270	The Impact of Topography on the Environment and Life Cycle of Weakly and Strongly Forced MCSs during RELAMPAGO. 2022, 150, 2317-2338	0
269	Smaller Sensitivity of Precipitation to Surface Temperature Under Massive Atmospheres. 2022, 49,	0
268	A new hybrid models based on the neural network and discrete wavelet transform to identify the CHIMERE model limitation.	0
267	Evaluation of a Regional Ensemble Data Assimilation System for Typhoon Prediction. 2022, 39, 1816-1832	2
266	Prediction and cause investigation of ozone based on a double-stage attention mechanism recurrent neural network. 2023, 17,	1
265	The Extreme North African Haboob in October 2008: High-resolution Simulation of Organized Moist Convection in the Lee of the Atlas, Dust Recirculation and Poleward Transport.	0
264	Evaluation of different parameterization schemes in the WRF model for assessment of meteorological conditions over an industrial region in South-East India.	0
263	Adaptation strategies for urban warming: Assessing the impacts of heat waves on cooling capabilities in Chongqing, China. 2022, 45, 101269	1
262	Role of Water Vapor Modulation From Multiple Pathways in the Occurrence of a Record-Breaking Heavy Rainfall Event in China in 2021. 2022, 9,	1
261	Resolving Away Stratocumulus Biases in Modern Global Climate Models. 2022, 49,	0
260	Modeling radiative and climatic effects of brown carbon aerosols with the ARPEGE-Climat global climate model. 2022, 22, 12167-12205	0

- 259 Impacts of cloud radiative processes on the convective and stratiform rainfall associated with Typhoon Fitow (2013). 0
- 258 Tracking the impacts of precipitation phase changes through the hydrologic cycle in snowy regions: From precipitation to reservoir storage. 10, 0
- 257 Sensitivity of boundary layer schemes in simulating the asymmetric rainfall of landfalling typhoon Lekima (2019). 10, 0
- 256 Intense atmospheric frontogenesis by air-sea coupling processes during the passage of Typhoon Lingling captured at Jeju Ocean Research Station. 2022, 12, 0
- 255 Long-Range Transport and Evolution of Saharan Dust Over East Asia From 2007 to 2020. 2022, 127, 0
- 254 Importance of Parameterizing Lake Surface and Internal Thermal Processes in WRF for Simulating Freeze Onset of an Alpine Deep Lake. 2022, 127, 0
- 253 Assessing the impact of modified LULC on extreme hydrological event over a complex terrain: A case study for Kodagu 2018 flood event. 2022, 105961 0
- 252 Impact of Assimilating Radar Data With 3D Thermodynamic Fields in an Ensemble Kalman Filter: Proof of Concept and Feasibility. 2022, 0
- 251 Impacts of Multi-Source Microwave Satellite Radiance Data Assimilation on the Forecast of Typhoon Ampil. 2022, 13, 1427 1
- 250 Regional Predictions of Air Pollution in Guangzhou: Preliminary Results and Multi-Model Cross-Validations. 2022, 13, 1527 0
- 249 Structural changes preceding the rapid intensification of Typhoon Lekima (2019) under moderate vertical wind shear. 0
- 248 Influence of meteorological conditions on the air quality during the 2022 Winter Olympics in Beijing. 10, 0
- 247 The added value of high-resolution downscaling of the ECMWF-EPS for extreme precipitation forecasting. 2022, 106458 0
- 246 Simulations of sea fog case impacted by air-sea interaction over South China Sea. 9, 1
- 245 Diurnal variation of precipitation over the high mountain Asia: Spatial distribution and its seasonality. 2022, 0
- 244 The extreme heat wave of July-August 2021 in the Athens urban area (Greece): Atmospheric and human-biometeorological analysis exploiting ultra-high resolution numerical modeling and the local climate zone framework. 2022, 159300 1
- 243 Simulation of the potential impacts of lakes on glacier behavior over the Tibetan Plateau in summer. 0
- 242 Numerical Weather Prediction at 200m Local Resolution Based on an Unstructured Grid Global Model. 2022, 9, 0

- 241 Can lidars assess wind plant blockage in simple terrain? A WRF-LES study. ○
- 240 Substantial influence of vapour buoyancy on tropospheric air temperature and subtropical cloud. ○
- 239 Helicity evolution during the life cycle of tropical cyclones formed over the north Indian ocean. **2022**, ○
- 238 Impacts of high-resolution atmospheric forcing and air-sea coupling on coastal ocean circulation off the Pearl River Estuary. **2022**, 278, 108091 ○
- 237 Rapid extreme particulate pollution during cold frontal passage over central China. **2022**, 280, 106453 ○
- 236 The southward movement preference of large-scale persistent extreme precipitation events over the Yangtze River Valley during Mei-yu period. ○
- 235 In-Season Wheat Yield Forecasting at High Resolution Using Regional Climate Model and Crop Model. **2022**, 4, 1054-1075 ○
- 234 Physical processes associated with movement of maximum wind of Typhoon Rammasun (2014). ○
- 233 Four-dimensional variational assimilation for SO₂ emission and its application around the COVID-19 lockdown in the spring 2020 over China. **2022**, 22, 13183-13200 ○
- 232 Three Rules for the Decrease of Tropical Convection With Global Warming. **2022**, 14, ○
- 231 Cloud Phase Simulation at High Latitudes in EAMv2: Evaluation using CALIPSO Observations and Comparison with EAMv1. ○
- 230 Size-resolved dust direct radiative effect efficiency derived from satellite observations. **2022**, 22, 13115-13135 ○
- 229 Identifying a new normal in extreme precipitation at a city scale under warmer climate regimes: A case study of the Tokyo metropolitan area, Japan. ○
- 228 Sensitivity of simulating Typhoon Haiyan (2013) using WRF: the role of cumulus convection, surface flux parameterizations, spectral nudging, and initial and boundary conditions. **2022**, 22, 3285-3307 2
- 227 Simulating Aerosol Lifecycle Impacts on the Subtropical Stratocumulus-to-Cumulus Transition Using Large-Eddy Simulations. **2022**, 127, ○
- 226 An OSSE Study of the Impact of Micropulse Differential Absorption Lidar (MPD) Water Vapor Profiles on Convective Weather Forecasting. **2022**, 150, 2787-2811 ○
- 225 Impact of IMO Sulfur Regulations on Air Quality in Busan, Republic of Korea. **2022**, 13, 1631 ○
- 224 Stationary waves weaken and delay the near-surface response to stratospheric ozone depletion. **2022**, 1-41 ○

- 223 High Spatiotemporal Resolution Planetary Boundary Layer Dynamics Across the Israeli Coast Mountain Valley Terrain Unraveled by WRF Simulations. ○
- 222 The Effect of Sea Surface Temperature on Relative Humidity and Atmospheric Visibility of a Winter Sea Fog Event over the Yellow-Bohai Sea. **2022**, 13, 1718 ○
- 221 Evaluation of WRF-Chem-RTFDAA dust forecasts over the MENA region using in-situ and remote-sensing observations. 10, ○
- 220 Optimizing simulation of summer precipitation by weather research and forecasting model over the mountainous southern Tibetan Plateau. **2022**, 106484 ○
- 219 Simulation of Urban Heat Island during a High-Heat Event Using WRF Urban Canopy Models: A Case Study for Metro Manila. **2022**, 13, 1658 ○
- 218 Exacerbation of Indian Summer Monsoon Breaks by the Indirect Effect of Regional Dust Aerosols. **2022**, 49, ○
- 217 Is Portugal Starting to Burn All Year Long? The Transboundary Fire in January 2022. **2022**, 13, 1677 ○
- 216 Convection self-aggregation in CNRM-CM6-1: Equilibrium and transition sensitivity to surface temperature. ○
- 215 The Wet Bias of RegCM4 Over Tibet Plateau in Summer Reduced by Adopting the 3D Sub-Grid Terrain Solar Radiative Effect Parameterization Scheme. **2022**, 127, 1 ○
- 214 Circulation-regulated impacts of aerosol pollution on urban heat island in Beijing. **2022**, 22, 13341-13353 ○
- 213 Future changes of the extreme high-temperature events influenced by foehn winds in Niigata, Japan. ○
- 212 Integrated use of regional weather forecasting and crop modeling for water stress assessment on rice yield. **2022**, 12, ○
- 211 High-resolution impacts of green areas on air quality in Madrid. ○
- 210 Synergetic roles of dynamic and cloud microphysical processes in extreme short-term rainfall: A case-study. ○
- 209 Modeling urban impact on Zhengzhou storm on July 20, 2021. 1
- 208 Recent Increase of Spring Precipitation over the Three-River Headwaters Region Water Budget Analysis Based on Global Reanalysis (ERA5) and ET-Tagging Extended Regional Climate Modeling. **2022**, 35, 3599-3617 ○
- 207 The Influence of Bare Ground Thermal Roughness Length Parameterization on the Simulation of Near-Surface Air and Skin Temperatures Over the Tibetan Plateau. **2022**, 127, ○
- 206 Evaluating the Impact of Vehicular Aerosol Emissions on Particulate Matter (PM2.5) Formation Using Modeling Study. **2022**, 13, 1816 ○

205	Understanding the characteristics of microphysical processes in the rapid intensity changes of tropical cyclones over the Bay of Bengal.	1
204	A city-scale inverse modelling method for air pollutant source determination. 2022 , 87, 104248	0
203	Influence of sea surface wave-dependent roughness on summer precipitation over the Southeastern United States. 2022 , 206, 105209	0
202	Morphological and microphysical characteristics associated with the lifecycle of a stationary cloud cluster during the Indian Summer Monsoon: A comparative study with numerical simulations and radar observation. 2023 , 281, 106464	0
201	Effects of chemical boundary conditions on simulated O ₃ concentrations in China and their chemical mechanisms. 2023 , 857, 159500	0
200	Atmospheric input of silicon to the China adjacent seas: Non-negligible contributions from anthropogenic sources. 2023 , 857, 159540	0
199	How to use lake breeze circulations to improve urban natural ventilation: A case study in a typical inland multi-lake megacity. 2023 , 230, 104628	0
198	Development of a Line-by-line and a Correlated <i>k</i>-distribution Radiation Models for Planetary Atmospheres. 2023 ,	0
197	Optimizing Spectral Waveband Selection for Spectral Radiation Detection of Hypersonic Vehicle. 2022 , 1-10	0
196	Investigations on offshore wind turbine inflow modelling using numerical weather prediction coupled with local-scale computational fluid dynamics. 2023 , 171, 113008	2
195	Air Pollution Dispersion Using Coupled AERMOD-WRF Modeling System and Generation of Gridded Emission Inventory of NO _x Over Nagpur.	0
194	A modelling study on quantifying the impact of urbanization and regional effects on the wintertime surface temperature over a rapidly-growing tropical city. 2022 , 2,	0
193	Influence of the upper gravity-wave damping layer on precipitation over complex terrain. 10,	0
192	Role of cloud microphysics and energetics in regulating different phases of the monsoon low-pressure systems over the Indian region.	0
191	Design of a Forest Fire Early Alert System through a Deep 3D-CNN Structure and a WRF-CNN Bias Correction. 2022 , 22, 8790	2
190	Role of Land Surface Vegetation in the March of Indian Monsoon Onset Isochrones in a Coupled Model.	0
189	Towards Ensemble-Based Kilometer-Scale Climate Simulations over the Third Pole Region.	0
188	Evaluation of the NAQFC driven by the NOAA Global Forecast System (version 16): comparison with the WRF-CMAQ during the summer 2019 FIREX-AQ campaign. 2022 , 15, 7977-7999	1

- 187 Impact of the Similarity Functions of Surface Layer Parameterization in a Climate Model over the Indian Region. ○
- 186 Kinetic Energy Budgets during the Rapid Intensification of Typhoon Rammason (2014). **2023**, 40, 78-94 ○
- 185 Impacts of FY-4A GIIRS Water Vapor Channels Data Assimilation on the Forecast of 2017 Extreme Rainstorm in Henan, China with CMA-MESO. **2022**, 14, 5710 ○
- 184 Compound effects of rain, storm surge, and river discharge on coastal flooding during Hurricane Irene and Tropical Storm Lee (2011) in the Mid-Atlantic region: coupled atmosphere-wave-ocean model simulation and observations. ○
- 183 Spatial Variability of Nocturnal Stability Regimes in an Operational Weather Prediction Model. ○
- 182 Mesoscale Simulation of Open Cellular Convection: Roles of Model Resolutions and Physics Parameterizations. **2022**, 2362, 012006 ○
- 181 The Effects of Ocean Surface Waves on Tropical Cyclone Intensity: Numerical Simulations Using a Regional Atmosphere-Ocean-Wave Coupled Model. **2022**, 127, 1 ○
- 180 Assimilation of global positioning system radio occultation refractivity for the enhanced prediction of extreme rainfall events in southern India. **2022**, 29, ○
- 179 Impact of physical parameterizations on wind simulation with WRF V3.9.1.1 under stable conditions at planetary boundary layer gray-zone resolution: a case study over the coastal regions of North China. **2022**, 15, 8111-8134 ○
- 178 Assessment of the impact of ocean mean temperature on numerical simulations of tropical cyclones. **2022**, 134, ○
- 177 Numerical simulation of a widespread lightning event over north India using an ensemble of WRF modeling configurations. **2022**, 241, 105984 ○
- 176 Future Changes in Tropical Cyclone Exposure and Impacts in Southeast Asia from CMIP6 Pseudo-global Warming Simulations. ○
- 175 Improved delineation of urban hydrological processes in coupled regional climate models. ○
- 174 Anthropogenic Impacts on the Water Cycle over Drylands in the Northern Hemisphere. **2023**, 36, 453-466 ○
- 173 Aggravated chemical production of aerosols by regional transport and basin terrain in a heavy PM2.5 pollution episode over central China. **2023**, 294, 119489 ○
- 172 Impact of assimilating atmospheric motion vectors from Himawari-8 and clear-sky radiance from FY-4A GIIRS on binary typhoons. **2023**, 282, 106550 ○
- 171 Substantial increase in human-perceived heatwaves in eastern China in a warmer future. **2023**, 283, 106554 ○
- 170 Assimilation of Clear-sky FY-4A AGRI radiances within the WRFDA system for the prediction of a landfalling Typhoon Hagupit (2020). **2023**, 283, 106556 1

169	Coupled and Stand-Alone Regional Climate Modeling of Intensive Storms in Western Canada. 2023 , 28,	0
168	A multi-objective framework to select numerical options in air quality prediction models: A case study on dust storm modeling. 2023 , 863, 160681	0
167	Simulation of a Typical Meiyu Case Over the Yangtze-Huai River in a Record-Breaking Meiyu Period of 2020. 2023 , 201-215	0
166	Influence of convective processes on weather research and forecasting model precipitation biases over East Asia.	0
165	The Effect of Assimilating AMSU-A Radiance Data from Satellites and Large-Scale Flows from GFS on Improving Tropical Cyclone Track Forecast. 2022 , 13, 1988	1
164	Aerosol-cloud interaction in the atmospheric chemistry model GRAPES_Meso5.1/CUACE and its impacts on mesoscale numerical weather prediction under haze pollution conditions in Jing-Jin-Ji in China. 2022 , 22, 15207-15221	0
163	Parameterization of cloud transmittance for expeditious assessment and forecasting of all-sky DNI. 2022 , 14, 063703	0
162	Assimilation of Transformed Retrievals from Satellite High-Resolution Infrared Data over the Central Pacific Area.	0
161	Impacts of 3D EnVar-Based FY-3D MWHS-2 Radiance Assimilation on Numerical Simulations of Landfalling Typhoon Ampil (2018). 2022 , 14, 6037	1
160	How shrinkage of Lake Chad affects the local climate.	0
159	Assessment of WRF microphysics and cumulus parameterizations in simulating heavy rainfall events over Badulu Oya catchment, Sri Lanka.	0
158	Formation Mechanisms of the Mesoscale Environment Conducive to a Downslope Windstorm over the Cuyamaca Mountains Associated with Santa Ana Wind during the Cedar Fire (2003). 2022 , 61, 1797-1818	0
157	The Sugar-to-Flower Shallow Cumulus Transition Under the Influences of Diel Cycle and Free-Tropospheric Mineral Dust.	1
156	Impact of different roofing mitigation strategies on near-surface temperature and energy consumption over the Chicago metropolitan area during a heatwave event. 2022 , 160508	0
155	Tropospheric water vapor: a comprehensive high-resolution data collection for the transnational Upper Rhine Graben region. 2022 , 14, 5287-5307	0
154	Comparison of Urban Heat Island Diurnal Cycles under Various Atmospheric Conditions Using WRF-UCM. 2022 , 13, 2057	0
153	A local data assimilation method (Local DA v1.0) and its application in a simulated typhoon case. 2022 , 15, 8869-8897	0
152	Estimation of OH in urban plumes using TROPOMI-inferred NO ₂ [CO. 2022 , 22, 16053-16071	0

151	Improving the Wind Power Density Forecast in the Middle- and High-Latitude Regions of China by Selecting the Relatively Optimal Planetary Boundary Layer Schemes. 2022 , 13, 2034	2
150	Aerosol-radiation interaction and its variation in North China within 2015-2019 period under continuous PM2.5 improvements. 2022 ,	0
149	Impact of Assimilating High-Resolution Atmospheric Motion Vectors on Convective Scale Short-Term Forecasts: 3. Experiments With Radar Reflectivity and Radial Velocity. 2022 , 14,	0
148	Hazard assessment and hydrodynamic, morphodynamic, and hydrological response to Hurricane Gamma and Hurricane Delta on the northern Yucatán Peninsula. 2022 , 22, 4063-4085	0
147	Evaluation of Air-Sea Flux Parameterization for Typhoon Mangkhut Simulation during Intensification Period. 2022 , 13, 2133	1
146	Droughts in Germany: performance of regional climate models in reproducing observed characteristics. 2022 , 22, 3875-3895	0
145	Quantifying the Source Contributions to Poor Atmospheric Visibility in Winter over the Central Plains Economic Region in China. 2022 , 13, 2075	0
144	Performance of the WRF Model in the Wind Speed Simulation in the Semiarid Region of Northeast Brazil.	0
143	Diagnostic Relations for the Intercept Parameter of Exponential Raindrop Size Distribution According to Rain Types Derived from Disdrometer Data and Their Impacts on Precipitation Prediction.	0
142	Deep Learning Based Cloud Cover Parameterization for ICON. 2022 , 14,	0
141	Convective momentum transport and multiscale organization in simulated shear parallel mesoscale convective systems.	0
140	Assimilation of Aerosol Optical Depth Into the Warn-on-Forecast System for Smoke (WoFS-Smoke). 2022 , 127,	0
139	Application and Evaluation of the Gravel Parameterization Scheme in WRF-CLM4 Model. 2022 , 14,	0
138	Evaluation of Three Genesis Potential Indices for Tropical Cyclogenesis in the Arabian Sea: Two Case Studies Using WRF and ERA5. 2022 , 150, 3275-3303	0
137	Observations and mesoscale forecasts of the life cycle of rapidly intensifying super cyclonic storm Amphan (2020). 2023 , 135,	0
136	Understanding the Regionality and Diurnal Cycles of Precipitation in the Lake Victoria Basin during Boreal Fall.	0
135	Impacts of an aerosol layer on a midlatitude continental system of cumulus clouds: how do these impacts depend on the vertical location of the aerosol layer?. 2023 , 23, 273-286	0
134	Effects of a Dry-Mass Conserving Dynamical Core on the Simulation of Tropical Cyclones. 2023 , 40, 464-482	0

133	Dependency of the source term estimation method for radionuclides released into the atmosphere on the available environmental monitoring data and its applicability to real-time source term estimation. 1-22	1
132	A high-resolution numerical simulation of the 7.19 extraordinary heavy rainfall in Henan Province under topographic effect. 10,	0
131	Evaluation of InSAR Tropospheric Correction by Using Efficient WRF Simulation with ERA5 for Initialization. 2023, 15, 273	1
130	Numerical Investigations of Precise Wind Field in Main Landing Area during the Landing Phase of Shen Zhou Series Spacecraft Mission. 2023, 10, 37	0
129	The impact of urbanization on mesoscale convective systems in the Yangtze River Delta region of China: Insights gained from observations and modeling.	0
128	Impacts of urbanization on air quality and the related health risks in a city with complex terrain. 2023, 23, 771-788	0
127	A comparison between WRF-simulated and observed surface meteorological variables across varying land cover and urbanization in south-central India.	0
126	Mechanism Analysis of a Wintertime Extreme Persistent Heavy Rainfall Event in Hainan Island.	0
125	Improved Tropical Cyclone Track Simulation over the Western North Pacific using the WRF Model and a Machine Learning Method.	0
124	Characteristics of the upper-level outflow and its impact on the rapid intensification of Typhoon Roke (2011). 10,	0
123	How adequately are elevated moist layers represented in reanalysis and satellite observations?. 2023, 23, 725-741	0
122	Prediction of the Diurnal Variation of Summertime Precipitation Over the Sichuan Basin by a Regional Model. 2023, 128,	0
121	What affects the timing of tropical cyclone formation within a monsoon trough?. 10,	0
120	Combining regional mesh refinement with vertically enhanced physics to target marine stratocumulus biases as demonstrated in the Energy Exascale Earth System Model version 1. 2023, 16, 335-352	0
119	The Regularized WSM6 Microphysical Scheme and Its Validation in WRF 4D-Var. 2023, 40, 483-500	0
118	A numerical study on the effects of a midlatitude upper-level trough on the track and intensity of Typhoon Bavi (2020). 10,	0
117	Flood Predictability of One-Way and Two-Way WRF Nesting Coupled Hydrometeorological Flow Simulations in a Transboundary Chenab River Basin, Pakistan. 2023, 15, 457	0
116	Effects of Sea Spray on the Simulated Tropical Cyclone Development: Dependence on Surface Drag Coefficient Parameterization. 2023, 128,	1

- 115 Long-term wave energy potential estimation in the Aegean and Ionian seas using dynamic downscaling and wave modelling techniques.. **2023**, 131, 103446 ○
- 114 Why did air quality experience little improvement during the COVID-19 lockdown in megacities, northeast China?. **2023**, 221, 115282 ○
- 113 Modeling the biogenic isoprene emission and its impact on ozone pollution in Zhejiang province, China. **2023**, 865, 161212 ○
- 112 Vast ecosystem disturbance in a warming climate may jeopardize our climate goal of reducing CO₂: a case study for megafires in the Australian Black summer **2023**, 866, 161387 ○
- 111 The Troposphere-to-Stratosphere Transport Caused by a Rossby Wave Breaking Event over the Tibetan Plateau in Mid-March 2006. **2023**, 15, 155 ○
- 110 Sensitivity of Typhoon Forecast to Prescribed Sea Surface Temperature Data. **2023**, 14, 72 ○
- 109 QuickOSSE Research on the Impact of Airship-Borne Doppler Radar Radial Winds to Predict the Track and Intensity of a Tropical Cyclone. **2023**, 15, 191 ○
- 108 Impact of land use land cover on variation of urban heat island characteristics and surface energy fluxes using WRF and urban canopy model over metropolitan cities of India. 1
- 107 Radar Reflectivity Assimilation Based on Hydrometeor Control Variables and Its Impact on Short-Term Precipitation Forecasting. **2023**, 15, 672 ○
- 106 Microphysical, macrophysical, and radiative responses of subtropical marine clouds to aerosol injections. **2023**, 23, 1345-1368 ○
- 105 Predicting Convective Downdrafts from Updrafts and Environmental Conditions in a Global Storm Resolving Simulation. ○
- 104 The Impact of Rewetting Peatland on Fire Hazard in Riau, Indonesia. **2023**, 15, 2169 ○
- 103 Wind resource assessment over the Persian Gulf and Oman Sea using a numerical model simulation and satellite data. ○
- 102 Driving Forces of Extreme Updrafts Associated with Convective Bursts in the Eyewall of a Simulated Tropical Cyclone. 2
- 101 Evaluation of the convection-permitting regional climate model CNRM-AROME41t1 over Northwestern Europe. ○
- 100 Scale-Dependent Verification of the OU MAP Convection Allowing Ensemble Initialized with Multi-Scale and Large-Scale Perturbations during the 2019 NOAA Hazardous Weather Testbed Spring Forecasting Experiment. **2023**, 14, 255 ○
- 99 Not All Clear Air Turbulence Is Kolmogorov η The Fine-Scale Nature of Atmospheric Turbulence. **2023**, 128, ○
- 98 Cloud-radiative impact on the dynamics and predictability of an idealized extratropical cyclone. **2023**, 4, 115-132 ○

- 97 The Influence of Radiation on the Prediction of Tropical Cyclone Intensification in a Forecast Model. **2023**, 50, ○
- 96 Development of a Short-term Solar Irradiance Forecasting using Satellite Image in Combination with Numerical Weather Prediction Model. **2023**, 143, 86-96 ○
- 95 Mitigation Effect of Dense Water Network on Heavy PM2.5 Pollution: A Case Model of the Twain-Hu Basin, Central China. **2023**, 11, 169 ○
- 94 Dynamical downscaling using CGCM ensemble average: an application to seasonal prediction for summer precipitation over South Korea. **2023**, 152, 757-772 ○
- 93 Cloud-Radiation Feedback Facilitates Secondary Eyewall Formation of Tropical Cyclones. **2023**, 128, ○
- 92 The Role of Aerosol Concentration on Precipitation in a Winter Extreme Mixed-Phase System: The Case of Storm Filomena. **2023**, 15, 1398 ○
- 91 Simulating Meteorological and Water Wave Characteristics of Cyclone Shaheen. **2023**, 14, 533 ○
- 90 Simultaneous assimilation of Fengyun-4A and Himawari-8 aerosol optical depth retrieval to improve air quality simulations during one storm event over East Asia. 11, ○
- 89 An improved azimuth-dependent Holland model for typhoons along the Zhejiang coast prior to landfall based on WRF-ARW simulations. ○
- 88 Influence of coastal land-water-atmosphere interactions on tropical cyclone intensity over the Bay of Bengal. **2023**, 135, ○
- 87 Streamflow Simulation with High-Resolution WRF Input Variables Based on the CNN-LSTM Hybrid Model and Gamma Test. **2023**, 15, 1422 ○
- 86 A Regional Air-Sea Coupled Model Developed for the East Asia and Western North Pacific Monsoon Region. **2023**, 128, ○
- 85 Impacts of Urban Development between 2002 and 2022 on the Effects of Sea Breezes in Sendai, Japan: Analyzing Heat Balance Mechanism in Urban Space. **2023**, 14, 677 ○
- 84 Mesoscale numerical simulation on the precipitation enhancement of stratiform clouds with embedded convection. **2023**, 286, 106672 ○
- 83 Contribution of future urbanization to summer regional warming in the Pearl River Delta. **2023**, 49, 101476 ○
- 82 A coupled turbine-interaction wind farm parameterization in the Weather Research and Forecasting model. **2023**, 283, 116919 ○
- 81 Emission and influences of non-road mobile sources on air quality in China, 2000-2019. **2023**, 324, 121404 ○
- 80 An idealized sensitivity study of fine particles' impact on the urban vertical temperature structure. **2023**, 49, 101492 ○

- 79 Impact of lake-atmosphere exchange on summertime ozone in the Lake Taihu region. **2023**, 300, 119664 ○
- 78 Performance of summertime temperature and wind fields under different background winds in Kowloon, Hong Kong. **2023**, 49, 101444 ○
- 77 Fast, low-memory numerical methods for radiative transfer via hp-adaptive mesh refinement. **2023**, 480, 112021 ○
- 76 Potential downstream blocking synergistic mechanism for urban warming in Kowloon Peninsula, Hong Kong. **2023**, 49, 101517 ○
- 75 Projected PV plants in China's Gobi Deserts would result in lower evaporation and wind. **2023**, 256, 140-150 ○
- 74 The combined effects of heterogeneous chemistry and aerosol-radiation interaction on severe haze simulation by atmospheric chemistry model in Middle-Eastern China. **2023**, 302, 119729 ○
- 73 Impact of coronavirus-driven reduction in aerosols on precipitation in the western United States. **2023**, 288, 106732 ○
- 72 Snowfall events in the Cantabrian Mountains of northwestern Spain: WRF multiphysics ensemble assessment based on ground and multi-satellite observations. **2023**, 288, 106719 ○
- 71 Improving regional climate simulations based on a hybrid data assimilation and machine learning method. **2023**, 27, 1583-1606 ○
- 70 Atmospheric dry deposition fluxes of trace metals over the Eastern China Marginal Seas: Impact of emission controls. **2023**, 873, 162117 ○
- 69 Evaluations on numerical simulations of ozone dry deposition over the Yangtze River Delta. **2023**, 304, 119760 ○
- 68 A high-impact meso-beta vortex in the Adriatic Sea. **2023**, 149, 637-656 ○
- 67 Sensitivity of Real-Time Forecast for Typhoons Around Korea to Cumulus and Cloud Microphysics Schemes. **2023**, 128, ○
- 66 Assessing Precipitation Over the Amazon Basin as Simulated by a Storm-Resolving Model. **2023**, 128, ○
- 65 Simulations of Summertime Ozone and PM_{2.5} Pollution in Fenwei Plain (FWP) Using the WRF-Chem Model. **2023**, 14, 292 1
- 64 Impacts of Agricultural Soil NO_x Emissions on O₃ Over Mainland China. **2023**, 128, ○
- 63 Exploring the Meteorological Impacts of Surface and Rooftop Heat Mitigation Strategies Over a Tropical City. **2023**, 128, ○
- 62 Temperature and cloud condensation nuclei (CCN) sensitivity of orographic precipitation enhanced by a mixed-phase seeder-feeder mechanism: a case study for the 2015 Cumbria flood. **2023**, 23, 1987-2002 ○

61	Impact of Extratropical Northeast Pacific SST on U.S. West Coast Precipitation. 2023 , 50,	o
60	Vapor buoyancy increases clear-sky thermal emission. 2023 , 2, 015006	o
59	Fine Particulate Matter Concentration and Early Deaths Related to Thermal Power Plants and National Industrial Complexes in South Korea. 2023 , 14, 344	o
58	Impact of changes in refractive indices of secondary organic aerosols on precipitation over China during 1980-2019. 2023 , 299, 119644	o
57	An Intensity and Size Phase Space for Tropical Cyclone Structure and Evolution. 2023 , 128,	o
56	Improvements to the parametrization of snow in AROME in the context of ice crystal icing.	o
55	Assessing the performance of WRF ARW model in simulating heavy rainfall events over the Pune region: in support of operational applications. 2023 , 135,	o
54	Statistical postprocessing of dynamically downscaled outputs of CFS.v2.	o
53	Assessment of the WRF model in simulating a catastrophic flash flood.	o
52	The Cross Equatorial Transport of the Hunga Tonga-Hunga Ha'apai Eruption Plume. 2023 , 50,	o
51	Numerical Simulation of Stratospheric Gravity Waves Induced by a Rainstorm. 2018 , 38, 469	o
50	Precipitation diurnal cycle over the maritime continent modulated by ENSO.	o
49	The Impacts of Assimilating Fengyun-4A Atmospheric Motion Vectors on Typhoon Forecasts. 2023 , 14, 375	1
48	Preliminary Assimilation of Satellite Derived Land Surface Temperature from SEVIRI in the Surface Scheme of the AROME-France Model. 2023 , 75, 88-107	o
47	Numerical Simulation of Typhoon-generated Gravity Waves Observed by Satellite and its Direct Validationnormalsize. 2018 , 38, 188	o
46	Effects of joint assimilation of FY-4A AGRI and ground-based microwave radiometer on heavy rainfall prediction. 11,	o
45	Inter-farm cluster interaction of the operational and planned offshore wind power base. 2023 , 396, 136529	o
44	Extreme rainfall events in the West African Sahel: Understanding storm development over the Damergou gap using convection-permitting simulations in the Weather Research and Forecasting model.	o

- 43 Effect of local climate zone (LCZ) and building category (BC) classification on the simulation of urban climate and air-conditioning load in Hong Kong. **2023**, 271, 127004 ○
- 42 MPAS-A Variable-Resolution Simulations for Summer Monsoon Over China: Comparison Between Global and Regional Configuration. **2023**, 128, ○
- 41 Simulation Analyses on a Downburst Event That Caused a Severe Tower Toppling down Accident in Zhejiang (China). **2023**, 14, 427 ○
- 40 Assessment of Climate Indices over the Carpathian Basin Based on ALADIN5.2 and REMO2015 Regional Climate Model Simulations. **2023**, 14, 448 ○
- 39 Influence of rooftop mitigation strategies on the thermal environment in a subtropical city. **2023**, 49, 101450 ○
- 38 Daytime Convective Boundary-Layer Evolution on Three Fair-Weather Days in CASES-97. ○
- 37 Systematic diurnal bias of the CMA-MESO model in southern China: Characteristics and correction. 11, ○
- 36 Synoptic and Mesoscale Analysis of a Severe Weather Event in Southern Brazil at the End of June 2020. **2023**, 14, 486 ○
- 35 Performance of Seven Land Surface Schemes in the WRFv4.3 Model for Simulating Precipitation in the Record-Breaking Meiyu Season Over the Yangtze-Huaihe River Valley in China. **2023**, 7, ○
- 34 High-resolution multi-scale air pollution system: Evaluation of modelling performance and emission control strategies. **2024**, 137, 65-81 ○
- 33 Evaluating the impact of topography on the initiation of Norwesters over eastern India. **2023**, 14, ○
- 32 Effects of ocean states coupling on the simulated Super Typhoon Megi (2010) in the South China Sea. 10, ○
- 31 Regime-Specific Cloud Vertical Overlap Characteristics From Radar and Lidar Observations at the ARM Sites. **2023**, 128, ○
- 30 Nowcasting of Wind in the Venice Lagoon Using WRF-FDDA. **2023**, 14, 502 ○
- 29 Assessment of Land Surface Schemes from the WRF-Chem for Atmospheric Modeling in the Andean Region of Ecuador. **2023**, 14, 508 ○
- 28 Impact of AMSU-A and MHS radiances assimilation on Typhoon Megi (2016) forecasting. **2023**, 15, ○
- 27 Multivariate bias correction of regional climate model boundary conditions. ○
- 26 Simulated climate effect of the Three Gorges Reservoir after its completion: Within surface and local scope instead of regional. **2023**, 35, 709-721 ○

25	Application of Bayesian machine learning for estimation of uncertainty in forecasted plume directions by atmospheric dispersion simulations. 1-14	1
24	On the importance of the atmospheric coupling to the small-scale ocean in the modulation of latent heat flux. 10,	0
23	The Fifth Generation Regional Climate Modeling System, RegCM5: Description and Illustrative Examples at Parameterized Convection and Convection-Permitting Resolutions. 2023 , 128,	0
22	Investigation and model simulation of dry and moist (haboob) convective dust storms in Yazd Province, central Iranian plateau. 2023 , 16,	0
21	Effects of Surface Wave-Induced Mixing and Wave-Affected Exchange Coefficients on Tropical Cyclones. 2023 , 15, 1594	0
20	Simulation Study of Microphysical and Electrical Processes of a Thunderstorm in Sichuan Basin. 2023 , 14, 574	1
19	Performance of a Hybrid Gain Ensemble Data Assimilation Scheme in Tropical Cyclone Forecasting with the GRAPES Model. 2023 , 14, 565	0
18	A Data Assimilation Method Combined with Machine Learning and Its Application to Anthropogenic Emission Adjustment in CMAQ. 2023 , 15, 1711	0
17	Developing spin-up time framework for WRF extreme precipitation simulations. 2023 , 620, 129443	0
16	Simulating the Transport and Rupture of Pollen in the Atmosphere. 2023 , 15,	0
15	Performance of a Global Spectral Model with Dry Air-Mass and Total Air-Mass Conserving Dynamical Cores: A Case Study of the July 2021 Henan Extreme Rainfall Event. 2023 , 37, 20-44	0
14	Prediction of Extremely Severe Cyclonic Storm Baniq Using Moving Nested Domain. 2023 , 14, 637	0
13	Sensitivity Analysis of Assimilating Doppler Radar Radial Winds Within the Inner- and Outer-Core Regions of Tropical Cyclones. 2023 , 128,	0
12	Comparison of different momentum control variables on assimilating radar observations for the forecasts of a dispersive convective event. 11,	0
11	Comparative study of bin and bulk microphysical schemes in simulating a heavy snowfall event that occurred in Beijing during the 2022 Winter Olympic Games. 11,	0
10	Quantifying the Impact of Land Use and Land Cover Change on Moisture Recycling With Convection-Permitting WRF-Tagging Modeling in the Agro-Pastoral Ecotone of Northern China. 2023 , 128,	0
9	Spatial and Temporal Distribution of Black Carbon in Peru from the Analysis of Biomass Burning Sources and the Use of Numerical Models.	0
8	Development of a Dynamic Downscaling Method for Use in Short-Range Atmospheric Dispersion Modeling Near Nuclear Power Plants. 2023 , 48, 28-43	0

- 7 Influences of the Mid-Level Vortex on the Formation of Tropical Cyclone Toraji (2013). **2023**, 14, 709 ○
- 6 Investigating the mechanisms driving the seasonal variations in surface PM_{2.5} concentrations over East Africa with the WRF-Chem model. **2023**, 53, 1 ○
- 5 The Education and Research 3D Radiative Transfer Toolbox (EaR3T) towards the mitigation of 3D bias in airborne and spaceborne passive imagery cloud retrievals. **2023**, 16, 1971-2000 ○
- 4 A New Stable Boundary Layer Parameterization for Numerical Weather Prediction Models: A Heat Flux Budget Approach. ○
- 3 Deep Learning-Based Ensemble Forecasts and Predictability Assessments for Surface Ozone Pollution. **2023**, 50, ○
- 2 Identifying spatiotemporal propagation of droughts in the agro-pastoral ecotone of northern China with long-term WRF simulations. **2023**, 336, 109474 ○
- 1 Effects of large-scale constraint and constraint variables on the high-frequency assimilation of radar reflectivity data in convective precipitation forecasting. ○