

2018 年出版物 Publications in 2018

作者 Author (rank)	题名 Title	出版物名 / 出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
An Xingqin (2nd)	Comparing the impact of strong and weak East Asian winter monsoon on PM _{2.5} concentration in Beijing	Atmospheric Research	2018, 215	SCI
An Xingqin (2nd)	Detection of critical PM _{2.5} emission sources and their contributions to a heavy haze episode in Beijing, China, using an adjoint model	Atmospheric Chemistry and Physics	2018, 18(1)	SCI
An Xingqin (2nd)	Tracking a heavy pollution process in Beijing in winter 2016 using GRAPES-CUACE adjoint model	Journal of Meteorological Research	2018, 32(1)	SCI
Bian Yuxuan, et al.	A novel method to retrieve the nocturnal boundary layer structure based on CCD laser aerosol detection system measurements	Remote Sensing of Environment	2018, 211	SCI
Che Huizheng (2nd)	A comparative analysis of aerosol microphysical, optical and radiative properties during the Spring Festival holiday over Beijing and surrounding regions	Aerosol and Air Quality Research	2018, 18(7)	SCI
Che Huizheng (2nd)	Aerosol optical characteristics and their vertical distributions under enhanced haze pollution events: Effect of the regional transport of different aerosol types over eastern China	Atmospheric Chemistry and Physics	2018, 18(4)	SCI
Che Huizheng (2nd)	Aerosol vertical distribution and optical properties of different pollution events in Beijing in autumn 2017	Atmospheric Research	2018, 215	SCI
Che Huizheng (2nd)	Aerosol vertical distribution and typical air pollution episodes over northeastern China during 2016 analyzed by ground-based lidar	Aerosol and Air Quality Research	2018, 18(4)	SCI
Che Huizheng (2nd)	Temporal and spatial variations in sand and dust storm events in East Asia from 2007 to 2016 relationships with surface conditions and climate change	Science of The Total Environment	2018, 233	SCI
Che Huizheng (3rd)	Daytime variation of aerosol optical depth in North China and its impact on aerosol direct radiative effects	Atmospheric Environment	2018, 182	SCI
Che Huizheng (3rd)	Radiative feedbacks of dust in snow over eastern Asia in CAM4-BAM	Atmospheric Chemistry and Physics	2018, 18	SCI
Che Huizheng (3rd)	Spatial and temporal evolution of natural and anthropogenic dust events over northern China	Scientific Reports	2018, 8(1)	SCI
Che Huizheng, et al.	Aerosol optical properties and direct radiative forcing based on measurements from the China Aerosol Remote Sensing Network (CARSNET) in eastern China	Atmospheric Chemistry and Physics	2018, 18(1)	SCI
Chen Bin (3rd)	Another look at the moist baroclinic Ertel-Rossby invariant with mass forcing	Chinese Physics B	2018, 2	

作者 Author (rank)	题名 Title	出版物名/出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Chen Bin, et al.	Quantifying oceanic moisture exports to mainland China in association with summer precipitation	Climate Dynamics	2018, 51(11-12)	
Chen Yang	Chapter anthropogenic warming has substantially increased the likelihood of July 2017-like heat waves over central eastern China	Bulletin of the American Meteorological Society	2018, 12(99)	SCI
Chen Yang, et al.	Detectable impacts of the past half-degree global warming on summertime hot extremes in China	Geophysical Research Letters	2018, 45(14)	SCI
Chen Yang, et al.	Recent progress and emerging topics on weather and climate extremes since the Fifth Assessment Report of the Intergovernmental Panel on Climate Change	Annual Review of Environment and Resources	2018, 43	SCI
Cheng Siyang, et al.	Comparison of atmospheric CO ₂ mole fractions and source-sink characteristics at four WMO/GAW stations in China	Atmospheric Environment	2018, 180(3)	SCI
Cheng Yanli, et al.	Full-chain design and implementation of integrated organization for haze prevention and control in China	Journal of Pollution Effects & Control	2018, 6	
Ding Minghu	Decadal climate change in Ny-Ålesund, Svalbard, a representative area of the Arctic	Condensed Matter	2018, 3(2)	SCI
Ding Minghu	Surface ozone monitoring and background concentration at Zhongshan station, Antarctica	Atmospheric and Climate Sciences	2018, 8	
Ding Minghu (2nd)	Changes in the proportion of precipitation occurring as rain in northern Canada during spring-summer from 1979-2015	Advances in Atmospheric Sciences	2018, 35(9)	SCI
Ding Minghu (2nd)	Reconstruction of autumn sea ice extent changes since AD1289 in the Barents-Kara Sea, Arctic	Science China Earth Sciences	2018, 61(9)	SCI
Ding Minghu, et al.	Shipborne observations of atmospheric black carbon aerosol from Shanghai to the Arctic Ocean during the 7th Chinese Arctic Research Expedition	Atmospheric Research	2018, 210	SCI
Fan Xiangpeng, et al.	A new method of three-dimensional location for low-frequency electric field detection array	Journal of Geophysical Research: Atmospheres	2018, 123(16)	SCI
Fan Yanfeng	Characteristics of electromagnetic signals during the initial stage of negative rocket-triggered lightning	Journal of Geophysical Research: Atmospheres	2018, 123(20)	SCI
Fan Yanfeng	Measurement of continuing charge transfer in rocket-triggered lightning	Journal of Atmospheric and Solar-Terrestrial Physics	2018, 175	SCI

作者 Author (rank)	题名 Title	出版物名 / 出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Fang Shibo	Special section guest editorial:Recent advances in earth observation technologies for agrometeorology and agroclimatology	Journal of Applied Remote Sensing	2018, 12(2)	
Fang Shibo (2nd)	Analysis of the brightness temperature features of the lunar surface using 37 GHz channel data from the Chang'E-2 microwave radiometer	Advances in Space Research	2018, 63(1)	
Fang Shibo (2nd)	Drought indices based on MODIS data compared over a maize-growing season in Songliao Plain, China	Journal of Applied Remote Sensing	2018, 12(4)	
Fang Shibo (2nd)	Measuring the soil water retention capacity with an integrated vegetation and drought index in southwest China	Journal of Applied Remote Sensing	2018, 12(2)	
Gan Yanjun, et al.	A systematic assessment and reduction of parametric uncertainties for a distributed hydrological model	Journal of Hydrology	2018, 564	
Gao Wenhua (2nd)	Substantial convection and precipitation enhancements by ultrafine aerosol particles	Science	2018, 359(6374)	SCI
Gao Wenhua, et al.	Observational relationship between entrainment rate and environmental relative humidity and implications for convection parameterization	Geophysical Research Letters	2018, 45(24)	SCI
Gao Wenhua, et al.	The microphysical properties of convective precipitation over the Tibetan Plateau by a subkilometer resolution cloud-resolving simulation	Journal of Geophysical Research: Atmospheres	2018, 123(1)	SCI
Guo Jianping (2nd)	Declining hailstorm frequency in China during 1961-2015 and its potential influential factors	International Journal of Climatology	2018, 38(11)	SCI
Guo Jianping (2nd)	Elucidating the relationship between aerosol concentration and summertime boundary layer structure in central China	Environmental Pollution	2018, 241	SCI
Guo Jianping (2nd)	Large-scale pattern of the diurnal temperature range changes over East Asia and Australia in boreal winter: A perspective of atmospheric circulation	Journal of Climate	2018, 31(7)	SCI
Guo Jianping (2nd)	On the summertime planetary boundary layer with different thermodynamic stability in China: A radiosonde perspective	Journal of Climate	2018, 31(4)	SCI
Guo Jianping (2nd)	The cloud top distribution and diurnal variation of clouds over East Asia: Preliminary results from advanced Himawari imager	Journal of Geophysical Research: Atmospheres	2018, 123(7)	SCI
Guo Jianping (2nd)	Tropopause trend across China from 1979 to 2016: A revisit with updated radiosonde measurements	International Journal of Climatology	2018, DOI: 10.1002/joc.5866	SCI
Guo Jianping (3rd)	Column-integrated aerosol optical properties of the coarse- and fine-mode particles over the Pearl River Delta region in China	Science of the Total Environment	2018, 622-623	SCI

作者 Author (rank)	题名 Title	出版物名/出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Guo Jianping (3rd)	Estimating hourly PM ₁ concentrations from Himawari-8 aerosol optical depth in China	Environmental Pollution	2018, 241	SCI
Guo Jianping (3rd)	Estimating PM ₁ concentrations from MODIS over Yangtze River Delta of China during 2014-2017	Atmospheric Environment	2018, 195	SCI
Guo Jianping (3rd)	Estimating summertime precipitation from Himawari-8 and global forecast system based on machine learning	IEEE transactions on geoscience and remote sensing	2018, DOI: 10.1109/ TGRS.2018. 2874950	SCI
Guo Jianping (3rd)	Mixing layer height on the North China Plain and meteorological evidence of serious air pollution in southern Hebei	Atmospheric Chemistry and Physics	2018, 18	SCI
Guo Jianping (3rd)	Spatiotemporal variation of PM ₁ pollution in China	Atmospheric Environment	2018, 178	SCI
Guo Jianping (3rd)	Temperature inversions in severe polluted days derived from radiosonde data in North China from 2011 to 2016	Science of the Total Environment	2018, 647	SCI
Guo Jianping (3rd)	The climate impact of aerosols on the lightning flash rate: Is it detectable from long-term measurements?	Atmospheric Chemistry and Physics	2018, 18	SCI
Guo Jianping, et al.	Aerosol-induced changes in the vertical structure of precipitation: A perspective of TRMM precipitation radar	Atmospheric Chemistry and Physics	2018, 18	SCI
Guo Jianping, et al.	Identifying climatic factors and circulation indices related to apple yield variation in main production areas of China	Global Ecology and Conservation	2018, 16	SCI
Guo Xueliang (2nd)	Quantifying the relationship among PM _{2.5} concentration, visibility and planetary boundary layer height for long-lasting haze and fog-haze mixed events in Beijing city	Atmospheric Chemistry and Physics	2018, 18(203)	SCI
He Jianjun, et al.	Analyses of winter circulation types and their impacts on haze pollution in Beijing	Atmospheric Environment	2018, 192	SCI
He Jianjun, et al.	Numerical simulation study of winter pollutant transport characteristics over Lanzhou city, northwest China	Atmosphere	2018, 9(382)	SCI
Li Lun	Summer cooling driven by large volcanic eruptions over the Tibetan Plateau	Journal of Climate	2018, 31(24)	SCI
Li Lun,et al.	Development and eastward movement mechanisms of the Tibetan Plateau vortices moving off the Tibetan Plateau	climate Dynamics	2018, 52(7-8)	SCI
Li Lun,et al.	Diurnal variation in the intensity of nascent Tibetan Plateau vortices	Quarterly Journal of the Royal Meteorological Society	2018, 144(1)	SCI

作者 Author (rank)	题名 Title	出版物名 / 出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Li Lun,et al.	Effect of the atmospheric quasi-biweekly oscillation on the vortices moving off the Tibetan Plateau	Climate Dynamics	2018, 50	SCI
Li Lun,et al.	Modulation of atmospheric quasi-biweekly oscillation on the intensity of nascent Tibetan Plateau vortices	Advances in Atmospheric Sciences	2018, 35(35)	SCI
Li Lun,et al.	Modulation of the atmospheric quasi-biweekly oscillation on the diurnal variation of the occurrence frequency of the Tibetan Plateau vortices	Climate Dynamics	2018, 50	SCI
Li Jianduo	Parameter optimization for carbon and water fluxes in two global land surface models based on surrogate modelling	International Journal of Climatology	2018, 38(S1)	SCI
Li Jianduo	An assessment of CAMS-CSM in simulating land-atmosphere heat and water exchanges	Journal of Meteorological Research	2018, 32(6)	SCI
Li Jianduo	Impacts of land cover and soil texture uncertainty on land model simulations over the central Tibetan Plateau	Journal of Advances in Modeling Earth Systems	2018, 10	SCI
Li Mingxin, et al.	A statistical analysis of hail events and their environmental conditions in China during 2008-2015	Journal of applied meteorology and climatology	2018, 57(12)	SCI
Li Yi,et al.	Estimated acute effects of ozone on mortality in a rural district of Beijing, China, 2005–2013/ a time-stratified case-crossover study	International Journal of Environmental Research and Public Health	2018, 15(11)	SCI
Liu Boqi (2nd)	The interannual dominant co-variation mode of boreal summer monsoon rainfall during 1979–2014	Journal of Climate	2018, 31(1)	SCI
Liu Boqi,et al.	Why was the western Pacific subtropical anticyclone weaker in late summer after the 2015/2016 super El Niño?	International Journal of Climatology	2018, 38(1)	SCI
Liu Hengyi, et al.	The three-dimensional locating of VHF broadband lightning interferometers	Atmosphere	2018, 9(8)	SCI
Liu Liping, et al.	Evaluation of the polarimetric-radar quantitative	Atmosphere	2018, 9 DOI: 10.3390/ atmos9090330	SCI
Liu Lu,et al.	A three-dimensional wave activity flux of inertia-gravity waves and its application to a rainstorm event	Advances in Atmospheric Sciences	2018, 36(2)	SCI
Liu Lu,et al.	Analysis of the characteristics of inertia-gravity waves during an orographic precipitation event	Advances in Atmospheric Sciences	2018, 35(5)	SCI
Liu Yu	Comparison of trends and abrupt changes of the South Asia high from 1979 to 2014 in reanalysis and radiosonde datasets	Journal of Atmospheric and Solar-Terrestrial Physics	2018, 170(1)	SCI

作者 Author (rank)	题名 Title	出版物名/出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Lu Junmei	A statistical forecast model for the Chinese winter temperature based on autumn SST anomalies	Theoretical and Applied Climatology	2018, 9	
Luo Yali(2nd)	An extreme rainfall event in coastal South China during SCMREX-2014: Formation and roles of rainband and echo trainings	Journal of Geophysical Research	2018, 123	SCI
Luo Yali(2nd)	Analysis of paths and sources of moisture for the South China rainfall during the presummer rainy season of 1979–2014	Journal of Meteorological Research	2018, 32(5)	SCI
Luo Yali(2nd)	The relationship between anomalous presummer extreme rainfall over the South China and synoptic disturbances	Journal of Geophysical Research	2018, 123	SCI
Luo Yali(3rd)	Cloud microphysical factors affecting simulations of deep convection during the presummer rainy season in southern China	Journal of Geophysical Research	2018, 123	SCI
Luo Yali(3rd)	Sensitivity of a simulated squall line during southern China monsoon rainfall experiment to parameterization of microphysics	Journal of Geophysical Research	2018, 123(8)	SCI
Luo Yali,et al.	Classification and diurnal variations of precipitation echoes observed by a C-band vertically-pointing radar in central Tibetan Plateau during TIPEX-III 2014-IOP	Journal of Meteorological Research	2018, 32(6)	SCI
Meng Zhaoyang, et al.	Role of ambient ammonia in particulate ammonium formation at a rural site in the North China Plain	Atmospheric Chemistry and Physics	2018, 18(1)	SCI
Miao Yucong (2nd)	Numerical study of the effect of urbanization and coastal change on seabreeze over Qingdao, China	Atmosphere	2018, 9(345)	SCI
Miao Yucong, et al.	Impacts of synoptic condition and planetary boundary layer structure on the trans-boundary aerosol transport from Beijing-Tianjin-Hebei region to northeast China	Atmospheric Environment	2018, 181	SCI
Miao Yucong, et al.	Impacts of meteorological conditions on wintertime PM _{2.5} pollution in Taiyuan, North China	Environmental Science and Pollution Research	2018, 25(22)	SCI
Miao Yucong, et al.	The climatology of low level jet in Beijing and Guangzhou, China	Journal of Geophysical Research Atmospheres	2018, 123(5)	SCI
Miao Yucong, et al.	Unraveling the relationships between boundary layer height and PM _{2.5} pollution in China based on four-year radiosonde measurements	Environmental Pollution	2018, 243	SCI
Peng Xindong	Long-term integration of a global non-hydrostatic atmospheric model on an aqua planet	Journal of Meteorological Research	2018, 32(4)	SCI
Peng Xindong (2nd)	Long-term integration of a global non-hydrostatic atmospheric model on an aqua planet	Journal of Meteorological Research	2018, 32(4)	SCI

作者 Author (rank)	题名 Title	出版物名 / 出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Qi Qi, et al.	Three-dimensional optical observations of an upward lightning triggered by positive cloud-to-ground lightning	Atmospheric Research	2018, 214	SCI
Qi Yanjun (2nd)	Is long-term climate memory important in temperature/precipitation	Theoretical and Applied Climatology	2018, DOI: 10.1007/s00704-018-2608-0	SCI
Qi Yanjun, et al.	Boreal summer intraseasonal oscillation in the Asian-Pacific monsoon region simulated in CAMS-CSM	Journal of Meteorological Research	2018, 33(1)	SCI
Rong Xinyao et al.	The CAMS climate system model and a basic evaluation of its climatology and climate variability simulation	Journal of Meteorological Research	2018, 32(6)	SCI
Rong Xinyao (2nd)	Potential predictability and forecast skill in ensemble climate forecast: a skill persistence rule	Climate Dynamics	2018, 51	SCI
Shen Xiaojing (2nd)	Size-resolved hygroscopic behavior of atmospheric aerosols during heavy aerosol pollution episodes in Beijing in December 2016	Atmospheric Environment	2018, 194	SCI
Shen Xiaojing, et al.	Comparison of submicron particles at a rural and an urban site in the North China Plain during the December 2016 heavy pollution episodes	Journal of Meteorological Research	2018, 32(1)	SCI
Shen Xiaojing, et al.	Spatial distribution and occurrence probability of regional new particle formation events in eastern China	Atmospheric Chemistry and Physics	2018, 18	SCI
Su Jingzhi, et al.	Monitoring the pendulum between El Nino and La Nina events	Environmental Research Letters	2018, 13	SCI
Su Jingzhi, et al.	Sea surface temperature in the subtropical Pacific boosted the 2015 El Nino and hindered the 2016 La Nina	Journal of Climate	2018, 31(2)	SCI
Sun Junying (2nd)	Aerosol hygroscopicity during the haze red-alert period in December 2016 at a rural site of the North China Plain	Journal of Meteorological Research	2018, 32(1)	SCI
Tan Kaiyan, et al.	Combined effects of elevated temperature and CO ₂ enhance threat from low temperature hazard on winter wheat growth in North China	Scientific Reports	2018, 8(1)	SCI
Wang Fei, et al.	Characteristics of lightning flashes associated with the charge layer near the 0 °C isotherm in the stratiform region of mesoscale convective systems	Journal of Geophysical Research: Atmospheres	2018, 123(17)	SCI
Wang Hong (2nd)	Applying the WRF double-moment six-class microphysics scheme in the GRAPES_Meso model: A case study	Journal of Meteorological Research	2018, 32(2)	SCI

作者 Author (rank)	题名 Title	出版物名/出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Wang Hong (2nd)	Evaluating the performance of two surface layer schemes for the momentum and heat exchange processes during severe haze pollution in Jing-Jin-Ji in eastern China	Atmospheric Chemistry and Physics	2018, 18(23)	SCI
Wang Hong, et al.	Contributions to the explosive growth of PM _{2.5} mass due to aerosol-radiation feedback and decrease in turbulent diffusion during a red alert heavy haze in Beijing-Tianjin-Hebei, China	Atmospheric Chemistry and Physics	2018, 18(23)	SCI
Wang Hongyan, et al.	Climatological beam propagation conditions for China	Journal of Applied Meteorology and Climatology	2018, 57(1)	SCI
Wang Peijuan, et al.	Crop drought identification index for winter wheat based on evapotranspiration in the Huang-Huai-Hai Plain, China	Agriculture, Ecosystems and Environment	2018, 263(5)	SCI
Wang Peijuan, et al.	Monitoring growth condition of spring maize in northeast China using a process-based model	International Journal of Applied Earth Observations and Geoinformation	2018, 66(1)	SCI
Wang Ping (2nd)	Identifying the early 2000s hiatus associated with internal climate variability	Scientific Reports	2018, 8(9)	SCI
Wang Ying (2nd)	Possible heterogeneous hydroxymethanesulfonate (HMS) chemistry in northern China winter haze and implications for rapid sulfate formation	Atmospheric Chemistry and Physics Discussion	2018, 18(19)	SCI
Wang Yinjun	The performance of a scale-aware nonlocal PBL scheme for the subkilometer simulation of a deep CBL over the Taklimakan Desert	Advances in Meteorology	2018, 2	
Wang Yinjun	Variation characteristics of the planetary boundary layer height and its relationship with PM _{2.5} concentration over the China	Journal of Tropical Meteorology	2018, 24 (3)	
Wang Yu (2nd)	Atmospheric environmental capacity and urban atmospheric load in mainland China	Science China Earth Sciences	2018, 61(1)	SCI
Wang Zhili (2nd)	Additional intensification of seasonal hot and flooded extreme over China in a 2°C warmer world compared to 1.5°C	Earth's Future	2018, 6(7)	
Wang Zhili (2nd)	Larger sensitivities of precipitation extremes in response to aerosol than greenhouse gas forcing in CMIP5 models	Journal of Geophysical Research: Atmospheres	2018, 123(15)	SCI
Wang Zhili (3rd)	Changes in extreme rainfall over India and China attributed to regional aerosol-cloud interaction during the late 20th century rapid industrialization	Geophysical Research letters	2018, 45(15)	SCI
Wei Na	Comparison of the effect of easterly and westerly vertical wind shear on tropical cyclone intensity change over the western North Pacific	Environmental Research Letters	2018, 13(3)	SCI

作者 Author (rank)	题名 Title	出版物名 / 出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Wei Na,et al.	Understanding biases in tropical cyclone intensity forecast error	Weather and Forecasting	2018, 33(1)	SCI
Wei Ting	Decadal shift in West China autumn precipitation and its association with sea surface temperature	Journal of Geophysical Research: Atmospheres	2018, 123(2)	SCI
Wei Wei	Intermittent turbulence contributes to vertical dispersion of PM _{2.5} in the North China Plain: Cases from Tianjin	Atmospheric Chemistry and Physics	2018, 18(17)	SCI
Wei Wei(3rd)	Characteristics of turbulent transfer during episodes of heavy haze pollution in Beijing in winter 2016/2017	Journal of Meteorological Research	2018, 32(1)	SCI
Wen Min(2nd)	Possible contribution of the inter-annual Tibetan Plateau snow cover variation to the Madden-Julian oscillation convection variability	International Journal of Climatology	2018, 38(10)	SCI
Wu Chong, et al.	Advances in Chinese dual-polarization and phased-array weather radars: Observational analysis of a supercell in southern China	Journal of Atmospheric and Oceanic Technology	2018, DOI: 10.1175/JTECH-D-17-0078.1	SCI
Wu Chong, et al.	Statistics-based optimization of the polarimetric radar hydrometeor classification algorithm and its application for a squall line in South China	Advances in Atmospheric Sciences	2018, 35(3)	SCI
Wu Dingrong, et al.	Uncertainty in simulating the impact of cultivar improvement on winter wheat phenology in the North China Plain	Journal of meteorological research	2018, 32(4)	SCI
Xia Rudi,et al.	Synoptic control of convective rainfall rates and cloud-to-ground lightning frequencies in warm-season mesoscale convective systems over North China	Monthly Weather Review	2018, 146(3)	SCI
Xiao Dong, et al.	Year-to-year variability of surface air temperature over China in winter	International Journal of Climatology	2018, 38(4)	SCI
Xu Wanjun, et al.	Long-term trends of surface ozone and its influencing factors at the Mt Waliguan GAW station, China–Part 2: The roles of anthropogenic emissions and climate variability	Atmospheric Chemistry and Physics	2018, 18(2)	SCI
Xu Xiangde (2nd)	Precursory strong-signal characteristics of the convective clouds of the Central Tibetan Plateau detected by radar echoes with respect to the evolutionary processes of an eastward-moving heavy rainstorm belt in the Yangtze River	Meteorology and Atmospheric Physics	2018, DOI: 10.1007/s00703-018-0597-2	
Xu Xiangde (2nd)	Spatio-temporal variations in SO ₂ and NO ₂ emissions caused by heating over the Beijing-Tianjin-Hebei region constrained by an adaptive nudging method with OMI data	Science of the Total Environment	2018, 642(6)	SCI
Xu XiaoBin, et al.	First simultaneous measurements of peroxyacetyl nitrate (PAN) and ozone at Nam Co in the central Tibetan Plateau: Impacts from the PBL evolution and transport processes	Atmospheric Chemistry and Physics	2018, 18(8)	SCI

作者 Author (rank)	题名 Title	出版物名/出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Yang Jun, et al.	Analyzing of cloud macroscopic characteristics in the Shigatse area of the Tibetan Plateau using the total-sky images	Journal of Applied Meteorology and Climatology	2018, 57(9)	SCI
Yang Jun, et al.	Retrieval of atmospheric profiles in the New York state mesonet using one-dimensional variational algorithm	Journal of Geophysical Research: Atmospheres	2018, 123(7)	SCI
Yu Rong	Facing climate change-related extreme events in megacities of China in the context of 1.5 C global warming	Current Opinion in Environmental Sustainability	2018, 30	SCI
Zhai Panmao (2nd)	Atmospheric circulation patterns associated with persistent wet-freezing events over southern China	International Journal of Climatology	2018, 38(10)	SCI
Zhai Panmao (2nd)	Potential influence of the East Asia–Pacific teleconnection pattern on persistent precipitation in South China: Implications of atypical Yangtze River valley cases	Weather and Forecasting	2018, 33	SCI
Zhai Panmao, et al.	A review of climate change attribution studies	Journal of Meteorological Research	2018, 5	SCI
Zhang Gen, et al.	Characterization of atmospheric trace gases and particulate matter in Hangzhou, China	Atmospheric Chemistry and Physics	2018, 1(18)	SCI
Zhang Hua (2nd)	Improving representation of tropical cloud overlap in GCMs based on cloud-resolving model data	Journal of Meteorological Research	2018, 32(2)	SCI
Zhang Hua, et al.	Effective radiative forcing and climate response to short-lived climate pollutants under different scenarios	Earth's Future	2018, 6(6)	SCI
Zhang Hua, et al.	Influences of the internal mixing of anthropogenic aerosols on global aridity change	Journal of Meteorological Research	2018, 5	SCI
Zhang Wenjuan, et al.	Lightning climatology over the northwest Pacific region: An 11-year study using data from the World Wide Lightning Location Network	Atmospheric Research	2018, 210	SCI
Zhang Xiaoye	Mitigation of severe urban haze pollution by a precision air pollution control approach	Scientific Reports	2018, 8(1)	SCI
Zhang Xiaoye (2nd)	Feedback effects of boundary-layer meteorological factors on explosive growth of PM _{2.5} during winter heavy pollution episodes in Beijing from 2013 to 2016	Atmospheric Chemistry and Physics	2018, 18(1)	SCI
Zhang Xiaoye (2nd)	Heavy aerosol pollution episodes in winter Beijing enhanced by radiative	Atmospheric Research	2018, 209(1)	SCI
Zhang Xiaoye (2nd)	Interdecadal changes of summer aerosol pollution in the Yangtze river basin of China, the relative influence of meteorological conditions and the relation to climate change	Science of the Total Environment	2018, 633(1)	SCI

作者 Author (rank)	题名 Title	出版物名/出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Zhang Xiaoye, et al.	Key role of nitrate in phase transitions of urban particles: Implications of important reactive surfaces for secondary aerosol formation	Journal of Geophysical Research: Atmospheres	2018, 123	SCI
Zhang Xiaoye, et al.	The interdecadal worsening of weather conditions affecting aerosol pollution in the Beijing area in relation to climate warming	Atmospheric Chemistry and Physics	2018, 18(1)	SCI
Zhang Xiaoye, et al.	Variation in MERRA-2 aerosol optical depth over the Yangtze River Delta from 1980 to 2016	Theoretical and Applied Climatology	2018, 171(1)	SCI
Zhang Xiaoye, et al.	Variations of haze pollution in China modulated by thermal forcing of the western Pacific warm pool	Atmosphere	2018, 9(314)	SCI
Zhang Yang, et al.	Characteristics and discharge processes of M events with large current in triggered lightning	Radio Science	2018, 53	SCI
Zhang Yangmei, et al.	Chemical components, variation, and source identification of PM ₁ during the heavy air pollution episodes in Beijing in December 2016	Journal of Meteorological Research	2018, 32(1)	SCI
Zhang Yangmei, et al.	Contribution distinguish between emission reduction and meteorological conditions to “Blue Sky”	Atmospheric Environment	2018, 190(1)	SCI
Zhang Yi,et al.	Higher contributions of uncertainty from global climate models than crop models in maize yield simulations under climate change	Meteorological Applications	2018, 26(1)	SCI
Zhao Junfang	Variations in climatic suitability and planting regionalization for potato in northern China under climate change	PLoS ONE	2018, 13(9)	SCI
Zhao Junfang (3rd)	Recent rebound in observational large-pan evaporation driven by heat wave and droughts by the Lower Yellow River	Journal of Hydrology	2018, 565	SCI
Zheng Dong (2nd)	A performance evaluation of the World Wide Lightning Location Network (WWLLN) over the Tibetan Plateau	Journal of Atmospheric and Oceanic Technology	2018, 35(4)	SCI
Zheng Dong, et al.	Properties of negative initial leaders and lightning flash size in a cluster of supercells	Journal of Geophysical Research: Atmospheres	2018, 123(22)	SCI
Zhou Baiquan, et al.	Projected changes of thermal growing season over northern Eurasia in a 1.5°C and 2°C warming world	Environmental Research Letters	2018, 13	SCI
Zhou Guangsheng (2nd)	Altitudinal patterns of maximum plant height on the Tibetan Plateau	Journal of Plant Ecology	2018, 11(1)	SCI
Zhou Guangsheng (2nd)	Climatic suitability of the geographic distribution of stipa breviflora in Chinese temperate grassland under climate change	Sustainability	2018, 10	SCI

作者 Author (rank)	题名 Title	出版物名/出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
Zhou Guangsheng (2nd)	Growth characteristics of natural and planted Dahurian larch in northeast China	Earth System Science Data	2018, 10	SCI
Zhou Guangsheng (2nd)	Sensitive indicators of <i>Stipa bungeana</i> response to precipitation under ambient and elevated CO ₂ concentration	International Journal of Biometeorology	2018, 14	SCI
Zhou Guangsheng (2nd)	The relationship between leaf and ecosystem CO ₂ exchanges in a maize field	Acta Physiologiae Plantarum	2018, 40	SCI
Zhou Guangsheng (2nd)	Using negative soil adjustment factor in soil-adjusted vegetation index (SAVI) for aboveground living biomass estimation in arid grasslands	Remote Sensing of Environment	2018, 209	SCI
Zhou Guangsheng (3rd)	Applicability of common stomatal conductance models in maize under varying soil moisture conditions	Science of the Total Environment	2018, 628-629	SCI
Zhou Guangsheng (3rd)	Sequence of changes in maize responding to soil water deficit and related critical thresholds	Frontiers in Plant Science	2018, 9	SCI
Zhou Li	Maize leaf functional responses to drought episode and rewatering	Agricultural and Forest Meteorology	2018, 249(1)	SCI
Zhou Lingxi (2nd)	Ratios of greenhouse gas emissions observed over the Yellow Sea and the East China Sea	Science of the Total Environment	2018, 633(8)	SCI
Zhu Congwen (2nd)	Asymmetric changes of ENSO diversity modulated by the cold tongue mode under recent global warming	Geophysical Research Letters	2018, 45(22)	SCI
Zhu Congwen (2nd)	Polarized response of East Asian winter temperature extremes in the era of Arctic warming	Journal of Climate	2018, 31(14)	SCI
Zhu Congwen (2nd)	Subseasonal variation of winter rainfall anomalies over South China during the mature phase of super El Niño events	Atmospheric and Oceanic Science Letters	2018, 11(5)	
Zuo Zhiyan	Land surface air temperature variations over Eurasia and possible causes in the past century	International Journal of Climatology	2018, 38(4)	SCI
Zuo Zhiyan (2nd)	Seasonal prediction and predictability of Eurasian spring snow water equivalent in NCEP Climate Forecast System version 2 reforecasts	Climate Dynamics	2018, 50(1-2)	SCI

作者 Author (rank)	题名 Title	出版物名 / 出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
安兴琴(第2)	伴随模式在追踪污染事件重点源区中的应用—以2015年12月北京一次污染过程为例	中国环境科学	2018, 1(6)	
安兴琴(第2)	北京一次重污染过程的天气成因及来源分析	中国环境科学	2018, 38(10)	
陈琪等	不同形状冰晶权重假定对冰云光学和辐射特性的影响	气象学报	2018, 2	
程巳阳等	上甸子区域大气本底站NO ₂ 柱浓度光谱反演及其变化特征	光谱学与光谱分析	2018, 38(11)	SCI
程兴宏(第2)	北京不同区域气溶胶辐射效应	应用气象学报	2018, 29(5)	
程兴宏(第2)	基于自适应偏最小二乘回归法的CUACE模式污染物预报偏差订正改进方法研究	环境科学研究	2018, 38(7)	
丁明虎(第2)	FS-J1 四分量净辐射表在北极地区的性能评测	气象科技	2018, 46(5)	
甘衍军(第3)	洪水灾害危险性评价方法的研究与改进	南水北调与水利科技	2018, 16(1)	
郭建平等	典型高温年分期播种冬小麦生育及产量性状差异性分析	中国农业气象	2018, 9	
郭建平等	东北春玉米非线性积温模型参数改进	应用气象学报	2018, 2	
郭建平等	东北地区玉米适应气候变化措施对生产潜力的影响	应用生态学报	2018, 6	
郭建平等	近36年东北地区春玉米气候资源利用率评估	气象与环境科学	2018, 2	
郭建平等	未来气候变化对东北玉米品种布局的影响	应用气象学报	2018, 2	
胡亮	夏季青藏高原对流系统移出高原的气象背景场分析	气象学报	2018, 76(6)	
梁林林等	临安夏季霾和清洁天气PM _{2.5} 化学组成特征比较	环境科学	2018, 39(7)	
刘卫国(第2)	一次对流云团过程结构特征的观测和模拟研究	气象与环境科学	2018, 40(4)	
刘煜	气溶胶对东亚冬季风影响的数值模拟	应用气象学报	2018, 29(3)	
陆天舒等	基于全视野数字图像的能见度估算方法	应用气象学报	2018, 29(6)	
彭新东(第2)	GRAPES模式中三维科氏力计算及其效果评估	气象学报	2018, 76(3)	
孙俊英(第2)	大气气溶胶密度观测研究进展	冰川冻土	2018, 40(5)	
田彪等	新型激光光谱仪测定水样氢氧稳定同位素比率的分析方法与性能研究	中国测试	2018, 44(2)	
王春乙(第2)	近30年中美玉米带生长季干旱特征的差异及成因分析	中国农业气象	2018, 39(6)	
王红艳(第2)	云南多普勒天气雷达网探测冰雹的覆盖能力	应用气象学报	2018, 29(3)	
王培娟等	东北地区春玉米不同发育阶段热量指数时空特征	生态学杂志	2018, 37(5)	

作者 Author (rank)	题名 Title	出版物名 / 出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
王郁 (第 2)	中国大陆地区大气环境容量及城市大气环境荷载	中国科学: 地球科学	2018, 48(7)	
邬定荣	双季早晚稻不同发育阶段日数对温度变化的敏感性比较	中国农业气象	2018, 39(3)	
邬定荣等	近 30 年华北平原冬小麦有效积温的变化	气象与环境科学	2018, 40(2)	
夏茹娣 (第 2)	地形、冷池出流和暖湿空气相互作用造成北京一次局地强降水的观测分析	大气科学学报	2018, 41(2)	
徐良韬等	利用起放电模式开展闪电活动直接预报试验	应用气象学报	2018, 29(5)	
徐晓斌 (第 2)	北京城区冬春季过氧化氢浓度变化特征	应用气象学报	2018, 29(4)	
尹金方	蒙西地区不同边界层参数化方案的近地层风场预报效果评估	中山大学学报 (自然科学版)	2018, 57(4)	
尹金方	面向资料同化的 S 波段双偏振雷达质量控制	应用气象学报	2018, 29(5)	
尹金方等	东亚区域大气再分析技术研究及资料集建设	气象科技进展	2018, 8(1)	
张华 (第 2)	不同污染条件下气溶胶对短波辐射通量影响的模拟研究	气象学报	2018, 5	
张华 (第 2)	不同云重叠参数对全球和东亚地区模拟总云量的影响	气象学报	2018, 5	
张阳 (第 2)	NBE 和 IBP 始发的闪电初始特征	应用气象学报	2018, 29(3)	
赵俊芳	基于 APSIM 模型评估北方八省春玉米生产对气候变化的响应	中国农业气象	2018, 39(2)	
赵俊芳	基于遥感和 FORCCHN 的中国森林生态系统 NPP 及生态服务功能评估	生态环境学报	2018, 27(9)	
赵俊芳	我国气溶胶污染对农作物影响研究进展	气象科技进展	2018, 8(5)	
赵俊芳等	基于 MODIS 和 AERONET 的气溶胶地表直接辐射效应评价	中国农业气象	2018, 39(11)	
赵琳娜	基于重组降水集合预报的洪水概率预报	应用气象学报	2018, 28(5)	
周广胜 (第 2)	春玉米持续干旱过程中常用气孔导度模型比较研究	生态学报	2018, 38(19)	
周广胜 (第 2)	干旱对夏玉米苗期叶片权衡生长的影响	生态学报	2018, 38(5)	
周广胜 (第 2)	辽宁地区玉米耗水量与产量的关系	干旱地区农业研究	2018, 36(1)	
周广胜 (第 2)	双季稻主要气象灾害研究进展	应用气象学报	2018, 29(4)	
周广胜 (第 2)	未来气候情景下黄淮海平原不同灌溉制度的产量补偿效应模拟	中国农业气象	2018, 39(4)	
周广胜 (第 2)	夏玉米对土壤水分持续减少的响应及其转折点阈值分析	生态学报	2018, 38(8)	

作者 Author (rank)	题名 Title	出版物名 / 出版社 Publication name or publisher	年, 卷(期) Year, Volume (Issue)	备注 Notes
周广胜(第2)	夏玉米叶片气体交换参数对干旱过程的响应	生态学报	2018, 38(7)	
周广胜(第2)	夏玉米叶片水分变化与光合作用和土壤水分的关系	生态学报	2018, 38(1)	
周广胜(第2)	植被含水量高光谱遥感监测研究进展	植物生态学报	2018, 42(5)	
周莉	C4 植物玉米的光合 - 光响应曲线模拟研究	植物生态学报	2018, 41(12)	
周莉	华南地区经济林果寒害研究进展	中国生态农业学报	2018, 26(4)	
周凌晔(第2)	春季中国近海海表大气中六氟化硫的分布特征	海洋环境科学	2018, 37(3)	
周凌晔(第2)	光腔衰荡光谱法走航连续观测海表大气中氧化亚氮	环境科学学报	2018, 38(9)	