

# 大 气 科 学

## DAQI KEXUE

(双月刊)

2018年9月15日 第42卷 第5期

### 目 次

- 冬季中国东北极端低温事件环流背景特征分析 ..... 李尚锋 姜大膀 廉毅 尹路婷 (963)
- 北太平洋冬季天气尺度涡旋的机理分析 ..... 刘丽 谭言科 夏淋淋 (977)
- 西北太平洋热带气旋在 ENSO 发展和衰减年的路径变化 ..... 谢佩妍 陶丽 李俊徽 黄丹 (987)
- 台风“梅花”路径转折期间的结构特征分析与模拟 ..... 袁敏 平凡 李国平 (1000)
- 利用辐射数据构建云物理结构 ..... 霍娟 (1013)
- 庐山一次积冰天气过程冻雨滴谱及下落末速度物理特征个例研究 .....  
..... 黄钦 牛生杰 吕晶晶 周悦 张小鹏 (1023)
- 登陆台风 Matmo (2014) 北侧对流雨带的触发和发展过程 ..... 刘文婷 朱佩君 (1038)
- 2016 年我国梅雨异常特征及成因分析 ..... 赵俊虎 陈丽娟 王东阡 (1055)
- 北大西洋多年代际振荡正、负位相期间欧亚夏季副热带波列季节内活动特征及与印度降水的联系  
..... 孙雪倩 李双林 孙即霖 洪晓玮 (1067)
- 不同类型和强度的厄尔尼诺事件对次年华南前汛期降水的可能影响 ..... 伍红雨 吴遥 (1081)
- 多普勒天气雷达资料同化对冬季暴雨模拟的影响研究 ..... 杨雨轩 张立凤 张斌 李道 (1096)
- 一次梅雨锋暴雨过程中多尺度能量相互作用的研究 I. 理论分析 ..... 沈新勇 沙莎 李小凡 (1109)
- 一次梅雨锋暴雨过程中多尺度能量相互作用的研究 II. 实际应用 ..... 沙莎 沈新勇 李小凡 (1119)
- 结合激光雷达和探空资料研究青藏高原地区混合层高度特征 .....  
..... 王存贵 初奕琦 檀望舒 贺千山 李成才 (1133)
- GRAPES-MESO 模式不同空间分辨率对中国夏季降水预报的影响分析 ..... 于翡 黄丽萍 邓莲堂 (1146)
- 一次辽东湾飚线过程的观测与数值模拟分析 ..... 张哲 周玉淑 高守亭 (1157)

# Chinese Journal of Atmospheric Sciences

(Bimonthly)

Vol. 42, No. 5, 15 September 2018

## CONTENTS

Circulation Characteristics of Extreme Cold Events in Northeast China during Wintertime .....	
..... LI Shangfeng, JIANG Dabang, LIAN Yi, and Yin Luting (963)	
The Possible Physical Mechanism for the Synoptic-Scale Eddy over the North Pacific in Winter .....	
..... LIU Li, TAN Yanke, and XIA Linlin (977)	
Variation of Tropical Cyclone Track in the Western North Pacific during ENSO Developing and Decaying Years .....	
..... XIE Peiyan, TAO Li, LI Junhui, and HUANG Dan (987)	
Diagnostic Study and Numerical Simulation on the Structure of Typhoon “Muifa” during Its Two Recurving Processes .....	
..... YUAN Min, PING Fan, and LI Guoping (1000)	
Constructing Cloud Physical Structure Based on Radiation Data .....	
..... HUO Juan (1013)	
Physical Characteristics of Freezing Raindrop Size Distribution and Terminal Velocity in Two Ice Weather Cases in Lushan Area .....	
..... HUANG Qin, NIU Shengjie, LÜ Jingjing, ZHOU Yue, and ZHANG Xiaopeng (1023)	
The Initiation and Development of Convective Rainbands to the North of the Landfalling Typhoon Matmo (2014) .....	
..... LIU Wenting and ZHU Peijun (1038)	
Characteristics and Causes Analysis of Abnormal Meiyu in China in 2016 .....	
..... ZHAO Junhu, CHEN Lijuan, and WANG Dongqian (1055)	
Differences in Intraseasonal Activity of Eurasian Subtropical Zonal Wave Train and Associated Indian Summer Rainfall in Two Opposite AMO Phases .....	
..... SUN Xueqian, LI Shuanglin, SUN Jilin, and HONG Xiaowei (1067)	
Possible Impacts of El Niño Events of Different Types and Intensity on Precipitation in the Subsequent First Rainy Season in South China .....	
..... WU Hongyu and WU Yao (1081)	
Impact of Doppler Radar Data Assimilation on the Simulation of a Heavy Winter Rainfall .....	
..... YANG Yuxuan, ZHANG Lifeng, ZHANG Bin, and LI Xiao (1096)	
The Study of Multi-scale Energy Interactions during a Meiyu Front Rainstorm. Part I: Theoretical Analysis .....	
..... SHEN Xinyong, SHA Sha, and LI Xiaofan (1109)	
The Study of Multi-scale Energy Interactions during a Meiyu Front Rainstorm. Part II: Practical Application .....	
..... SHA Sha, SHEN Xinyong, and LI Xiaofan (1119)	
Characteristics of Atmospheric Mixing Layer Height over the Tibetan Plateau with Lidar and Radiosonde Data .....	
..... WANG Cungui, CHU Yiqi, TAN Wangshu, HE Qianshan, and LI Chengcai (1133)	
Impacts of Different GRAPES-MESO model Spatial Resolutions on Summer Rainfall Forecast in China .....	
..... YU Fei, HUANG Liping, and DENG Liantang (1146)	
Observational and Numerical Analyses of a Squall Line Occurring over Liaodong Gulf of China .....	
..... ZHANG Zhe, ZHOU Yushu, and GAO Shouting (1157)	