

大 气 科 学

DAQI KEXUE

(双月刊)

2016 年 7 月 15 日 第 40 卷 第 4 期

目 次

多物理 ETKF 在暴雨集合预报中的初步应用	黄红艳 齐琳琳 刘健文 黄江平 李崇银 (657)
2014 年春季华北两次降水过程的人工增雨催化数值模拟研究	刘卫国 陶玥 党娟 周毓荃 (669)
飑线组织化过程对环境垂直风切变和水汽的响应	张建军 王咏青 钟玮 (689)
梅雨雨带北跳过程研究	陈艳丽 宋洁 李崇银 (703)
一个基于打靶法的大气污染源反演自适应算法	冯帆 王自发 唐晓 (719)
空间加密探空观测资料对西南低涡暴雨天气过程数值模拟的影响	卢萍 李旭 李英 李跃清 郑伟鹏 (730)
多因子协同作用对 1992 年和 1998 年黄淮地区夏季降水异常的影响	顾伟宗 陈丽娟 左金清 李维京 (743)
内蒙古夏季降水变率的优势模态及其环流特征	李妍 布和朝鲁 林大伟 谢作威 (756)
青藏高原东南部复杂地形区不同天气状况下陆气能量交换特征分析	李娟 李跃清 蒋兴文 高笃鸣 (777)
基于风云三号气象卫星微波亮温资料反演东北地区土壤湿度及其对比分析	王国杰 齐道日娜 王磊 谭癸 薛峰 (792)
1990 年代初夏季东北亚低压的年代际转变	杜梦醒 林中达 陆日宇 (805)
北半球中高纬度低频振荡对 2012/2013 年冬季中国东北极端低温事件的影响	苗青 巩远发 邓锐捷 魏挪巍 (817)
ENSO 冷暖位相影响东亚冬季风与东亚夏季风联系的非对称性	徐需强 冯娟 陈文 (831)
粒子下落末速度和粒子谱形参数对降水模拟影响的数值研究	张衍达 王东海 尹金方 许焕斌 (841)
夏季青藏高原大气热源低频振荡与南亚高压东西振荡的关系	王黎娟 葛静 (853)
夏季高原大气热源的气候特征以及与高原低涡生成的关系	刘云丰 李国平 (864)

Chinese Journal of Atmospheric Sciences

(Bimonthly)

Vol.40, No.4, 15 July 2016

CONTENTS

Preliminary Application of a Multi-Physical Ensemble Transform Kalman Filter in Precipitation Ensemble Prediction	
..... HUANG Hongyan, QI Linlin, LIU Jianwen, HUANG Jiangping, and LI Chongyin (657)	
Seeding Modeling Study of Two Precipitation Processes over Northern China in the Spring of 2014	
..... LIU Weiguo, TAO Yue, DANG Juan, and ZHOU Yuquan (669)	
Impact of Vertical Wind Shear and Moisture on the Organization of Squall Lines	
..... ZHANG Jianjun, WANG Yongqing, and ZHONG Wei (689)	
A Study on Northward Jump of the Meiyu Rainbelt	CHEN Yanli, SONG Jie, and LI Chongyin (703)
Development of an Adaptive Algorithm Based on the Shooting Method and Its Application in the Problem of Estimating Air Pollutant Emissions	FENG Fan, WANG Zifa, and TANG Xiao (719)
The Influence of Spatially Intensive Sounding Observation Data on the Numerical Modeling of Southwest Vortex Rainfall	LU Ping, LI Xu, LI Ying, LI Yueqing, and ZHENG Weipeng (730)
Combined Effect of Multiple Factors on the Summer Rainfall Anomalies over the Huanghe–Huaihe Valley in 1992 and 1998	GU Weizong, CHEN Lijuan, ZUO Jinqing, and LI Weijing (743)
The Dominant Modes of Summer Precipitation over Inner Mongolia and Its Typical Circulation Characteristics	
..... LI Yan, BUEH Cholaw, LIN Dawei, and XIE Zuowei (756)	
Characteristics of Land–Atmosphere Energy Exchanges over Complex Terrain Area of Southeastern Tibetan Plateau under Different Synoptic Conditions	LI Juan, LI Yueqing, JIANG Xingwen, and GAO Duming (777)
Soil Moisture Retrieval over Northeast China Based on Microwave Brightness Temperature of FY3B Satellite and Its Comparison with Other Datasets	WANG Guojie, CHYI Dorina, WANG Lei, TAN Yan, and XUE Feng (792)
Inter-decadal Change in the Summertime Northeast Asia Low-Pressure System in the Early 1990s	
..... DU Mengxing, LIN Zhongda, and LU Riyu (805)	
Impacts of the Low-Frequency Oscillation over the Extra-tropics of the Northern Hemisphere on the Extreme Low Temperature Event in Northeast China in the Winter of 2012/2013	MIAO Qing, GONG Yuanfa, Deng Ruijie, and Wei Nuowei (817)
Asymmetric Role of ENSO in the Link between the East Asian Winter Monsoon and the Following Summer Monsoon	
..... XU Peiqiang, FENG Juan, and CHEN Wen (831)	
Impacts of Terminal Velocity and Drop Size Distribution Shape on the Numerical Simulation of Precipitation	
..... ZHANG Yanda, WANG Donghai, YIN Jinfang, and XU Huanbin (841)	
Relationship between Low-frequency Oscillations of Atmospheric Heat Source over the Tibetan Plateau and Longitudinal Oscillations of the South Asia High in the Summer	WANG Lijuan and GE Jing (853)
Climatic Characteristics of Atmospheric Heat Source over the Tibetan Plateau and Its Possible Relationship with the Generation of the Tibetan Plateau Vortex in the Summer	LIU Yunfeng and LI Guoping (864)