

大 气 科 学

DAQI KEXUE

(双月刊)

2015 年 5 月 15 日 第 39 卷 第 3 期

目 次

北京一次积层混合云系结构和水分收支的数值模拟分析	陶玥 李军霞 党娟 李宏宇 孙晶 (445)
热带印度洋与全球大气相互作用的信息传输特征分析 ...	张志森 龚志强 叶天舒 颜鹏程 封国林 (461)
霰粒子参数对强对流云降水和催化影响的数值模拟研究	楼小凤 孙晶 史月琴 师宇 (474)
RCP4.5 情景下中国未来干湿变化预估	刘珂 姜大膀 (489)
山东禹城紫外辐射变化特征及其估测方程的建立	刘慧 胡波 王跃思 王式功 (503)
冬季华南准静止锋的结构和类型特征研究	查书瑶 伊兰 赵平 (513)
“双峰”期孟加拉湾风暴对西南水汽输送的贡献	段旭 张瑾文 (526)
不同水平分辨率 BCC_CSM 模式对中亚地面气温模拟能力评估	姜燕敏 黄安宁 吴昊旻 (535)
“碧利斯”(0604)暴雨过程不同类型降水云微物理特征分析	汪亚萍 崔晓鹏 任晨平 余晖 (548)
CMIP5 模式对我国西南地区干湿季降水的模拟和预估	张武龙 张井勇 范广洲 (559)
北京闪电综合探测网 (BLNET): 网络构成与初步定位结果	
.....	王宇 鄯秀书 王东方 刘明远 苏德斌 沈永海 武智君 刘冬霞 孙竹玲 (571)
北京“7.21”暴雨的不稳定性及其触发机制分析	刘璐 冉令坤 周玉淑 高守亭 (583)
中国东部不同区域城市群下垫面变化气候效应的模拟研究	周莉 江志红 李肇新 杨修群 (596)
欧亚北部冬季增雪“影响”我国夏季气候异常的机理研究: 欧洲冬季增雪的重要作用	
.....	穆松宁 周广庆 (611)
中国冬季积雪变异及其与北极涛动的联系	张若楠 张人禾 左志燕 (634)
华西秋雨准 4 年周期特征及其与赤道太平洋海表温度的关系 ...	王春学 马振峰 王佳津 王劲廷 (643)

Chinese Journal of Atmospheric Sciences

(Bimonthly)

Vol.39, No.3, 15 May 2015

CONTENTS

A Numerical Study on Precipitation Process and Moisture Budget of Stratiform and Embedded Convective Cloud over Beijing Area	TAO Yue, LI Junxia, DANG Juan, LI Hongyu, and SUN Jing (445)
Characteristics of Information Transfer of Interaction between the Tropical Indian Ocean and Global Atmosphere	ZHANG Zhisen, GONG Zhiqiang, YE Tianshu, YAN Pencheng, and FENG Guolin (461)
Numerical Simulation Study of the Impacts of Graupel Parameters on Strong Convective Rainfall and Seeding Effects	LOU Xiaofeng, SUN Jing, SHI Yueqin, and SHI Yu (474)
Projected Changes in the Dry/Wet Climate of China under the RCP4.5 Scenario	LIU Ke and JIANG Dabang (489)
Variation Characteristics and Establishment of Estimating Equation for Ultraviolet Radiation in Yucheng, Shandong Province	LIU Hui, HU Bo, WANG Yuesi, and WANG Shigong (503)
Structure and Type Characteristics of the Winter Quasi-stationary Front in South China	ZHA Shuyao, YI Lan, and ZHAO Ping (513)
The Contribution of Storms over the Bay of Bengal to Southwest Water Vapor Transport during Double-Peak Periods	DUAN Xu and ZHANG Jinwen (526)
Evaluation of the Performance of Beijing Climate Center Climate System Model with Different Horizontal Resolution in Simulating the Annual Surface Temperature over Central Asia	JIANG Yanmin, HUANG Anning, and WU Haomin (535)
Cloud Microphysical Characteristics of Different Precipitation Types in Bilis (0604) Torrential Rainfall Events	WANG Yaping, CUI Xiaopeng, REN Chenping, and YU Hui (548)
Evaluation and Projection of Dry- and Wet-Season Precipitation in Southwestern China Using CMIP5 Models	ZHANG Wulong, ZHANG Jingyong, and FAN Guangzhou (559)
Beijing Lightning NETwork (BLNET): Configuration and Preliminary Results of Lightning Location	WANG Yu, QIE Xiushu, WANG Dongfang, LIU Mingyuan, SU Debin, SHEN Yonghai, WU Zhijun, LIU Dongxia, and SUN Zhuling (571)
Analysis on the Instability and Trigger Mechanism of Torrential Rainfall Event in Beijing on 21 July 2012	LIU Lu, RAN Lingkun, ZHOU Yushu, and GAO Shouting (583)
Numerical Simulation of Urbanization Climate Effects in Regions of East China	ZHOU Li, JIANG Zhihong, LI Zhaoxin, and YANG Xiuqun (596)
Mechanism for the Correlation of Winter Fresh Snow Extent over Northern Eurasia and Summer Climate Anomalies in China: The Important Role of Eurasian Winter Fresh Snow Extent	MU Songning and ZHOU Guangqing (611)
Winter Snow Cover Variability over China and Its Relation to Arctic Oscillation	ZHANG Ruonan, ZHANG Renhe, and ZUO Zhiyan (634)
The Characteristics of Huaxi Autumn Rain and its Relationship with Sea Surface Temperatures over the Equatorial Pacific	WANG Chunxue, MA Zhenfeng, WANG Jiabin, and WANG Jinting (643)