

大 气 科 学

DAQI KEXUE

(双月刊)

2016 年 3 月 15 日 第 40 卷 第 2 期

目 次

东亚夏季风强度的多尺度统计预测模型	纪忠萍 谷德军 林爱兰 (227)
南海夏季风爆发与热带太平洋两类海温型关系的年代际差异	丁硕毅 温之平 陈文 (243)
两种温室气体排放情景下中国汛期江淮暴雨低涡特征研究	苗春生 徐方姝 王坚红 余钟奇 高义梅 张旭 (257)
暖底对流云催化的微物理和动力效应的数值模拟	陈宝君 李爱华 吴林林 孙永涛 (271)
人为热释放: 全球分布的估算及其气候效应的探索	陈兵 陈良富 董理 石广玉 (289)
北京 2009~2013 年期间持续性大雾的类型、垂直结构及物理成因	郭丽君 郭学良 (296)
西南地区秋季干旱的年代际转折及其可能原因分析	张顾炜 曾刚 倪东鸿 周国兵 (311)
风切变对中尺度对流系统强度和组织结构影响的数值试验	郑淋淋 孙建华 (324)
四川暴雨过程动力因子指示意义与预报意义研究	李琴 杨帅 崔晓鹏 冉令坤 (341)
1980~2013 年安徽霾天气变化趋势及可能成因	石春娥 王喜全 李元妮 邓学良 杨元建 温华洋 (357)
WRF 模式多种边界层参数化方案对四川盆地不同量级降水影响的数值试验	高笃鸣 李跃清 蒋兴文 李娟 吴遥 (371)
北京 325 米气象塔上 CO ₂ 梯度观测数据质量控制与评价	刘郁珏 胡非 程雪玲 冯永芳 (390)
冬季北太平洋风暴轴垂直结构的变化特征及其与我国极端低温事件的关系 ...	王超 孙照渤 王娜 (401)
关于用台站资料估算西北干旱区夏季感热通量的热力参数化比较	周德刚 (411)
珠海凤凰山陆气相互作用与碳通量观测塔的基本观测及晴天主要观测量的日变化特征	韦志刚 胡嘉骢 董文杰 陈光巨 吴忠魁 魏信 郑志远 文小航 石文 邢飞 张治国 (423)
热带大气季节内振荡对西南地区东部夏季降水的影响及其可能机制	李永华 向波 卢楚翰 琚建华 王娜 (437)

Chinese Journal of Atmospheric Sciences

(Bimonthly)

Vol.40, No.2, 15 March 2016

CONTENTS

A Multiscale Statistical Prediction Model of East Asian Summer Monsoon Intensity ... JI Zhongping, GU Dejun, and LIN Ailan	(227)
Interdecadal Change in the Relationship between the South China Sea Summer Monsoon Onset and Two Types of Pacific Sea Surface Temperature Anomaly DING Shuoyi, WEN Zhiping, and CHEN Wen	(243)
Characteristics of Heavy Rainfall Vortexes during the Flood Season in Jiang-Huai Valley under Two Greenhouse Gas Emission Scenarios MIAO Chunsheng, XU Fangshu, WANG Jianhong, YU Zhongqi, GAO Yimei, ZHANG Xu	(257)
Modeling the Microphysical and Dynamical Effects of Silver Iodide Seeding of Warm-Based Convective Clouds CHEN Baojun, LI Aihua, WU Linlin, and SUN Yongtao	(271)
Estimating the Global Distribution of Anthropogenic Heat Release and Exploring Its Possible Climatic Effect CHEN Bing, CHEN Liangfu, DONG Li, and SHI Guangyu	(289)
The Type, Vertical Structure and Physical Formation Mechanism of Persistent Heavy Fog Events during 2009–2013 in the Beijing Region GUO Lijun and GUO Xueliang	(296)
Decadal Shift of Autumn Drought in Southwest China and Its Possible Causes ZHANG Guwei, ZENG Gang, NI Donghong, and ZHOU Guobing	(311)
The Impact of Vertical Wind Shear on the Intensity and Organizational Mode of Mesoscale Convective Systems Using Numerical Experiments ZHENG Linlin and SUN Jianhua	(324)
Diagnosis and Forecasting of Dynamical Parameters for a Heavy Rainfall Event in Sichuan Province LI Qin, YANG Shuai, CUI Xiaopeng, and RAN Lingkun	(341)
The Trend of Haze in Anhui Province from 1980 to 2013 and the Possible Reasons SHI Chune, WANG Xiquan, LI Yuanni, DENG Xueliang, YANG Yuanjian, and WEN Huayang	(357)
Influence of Planetary Boundary Layer Parameterization Schemes on the Prediction of Rainfall with Different Magnitudes in the Sichuan Basin Using the WRF Model GAO Duming, LI Yueqing, JIANG Xingwen, LI Juan, and WU Yao	(371)
Data Processing and Quality Assessment of the Eddy Covariance System of the 325-m Meteorology Tower in Beijing LIU Yujue, HU Fei, CHENG Xueling, and FENG Yongfang	(390)
Variation in the Vertical Structure of the Winter North Pacific Storm Track and Its Relationship with Extreme Low Temperature Activity in China WANG Chao, SUN Zhaobo, and WANG Na	(401)
Testing of Surface Flux Parameterizations for Estimating Summer Sensible Heat Flux over the Arid Region of Northwest China from China Meteorological Administration Data ZHOU Degang	(411)
Basic Observations and Diurnal Variation of Key Meteorological Variables on Clear Days in the Phoenix Mountain Area of Zhuhai WEI Zhigang, HU Jiacong, DONG Wenjie, CHEN Guangju, WU Zhongkui, WEI Xin, ZHENG Zhiyuan, WEN Xiaohang, SHI Wen, XING Fei, and ZHANG Zhiguo	(423)
Impact of Madden-Julian Oscillation Activities on Precipitation in Summer over the East of Southwest China and Its Possible Mechanism LI Yonghua, XIANG Bo, LU Chuhan, JU Jianhua, and WANG Na	(437)