

Chinese Journal of Atmospheric Sciences

(Bimonthly)

Vol.37, No.1, 15 January 2013

CONTENTS

Impact of Interannual Soil Moisture Anomaly on Simulation of Extreme Climate Events in China. Part II: Sensitivity Experiment Analysis	CHEN Haishan and ZHOU Jing (1)
The Impacts of Various Meteorological Conditions on Air Quality Modeling Results over Complex Terrain	WANG Ying, LONG Xiao, YU Ye, ZUO Hongcao, and LIANG Yiling (14)
Diagnostic and Predictive Studies of Torrential Rain Location Associated with Landfalling Typhoon Morakot (0908) Using Multi-Dynamical Parameters	XU Luan, HE Jinhai, GAO Shouting, and LIN Qing (23)
Basic State of MMC and Its Correlation with Atmospheric Ozone Variation	GUO Shichang, DAI Min, YANG Peiqiong, LI Chengchao, CHANG Youli, LIU Yu, and LÜ Daren (36)
BMA Probabilistic Forecasting for the 24-h TIGGE Multi-model Ensemble Forecasts of Surface Air Temperature	LIU Jianguo, XIE Zhenghui, ZHAO Linna, and JIA Binghao (43)
Assimilation of Temporal and Spatial Gradient Information to Eliminate the Systematic Observation Error	WANG Yunfeng, FEI Jianfang, YUAN Bing, and HAN Yueqi (54)
Spatial and Temporal Variations in the Eastern North Pacific Storm Track	ZHU Weijun, YUAN Kai, and CHEN Yini (65)
Diagnostic Analysis on Nari (0116) Structure and Intensity Changes during Its Landfall Process on Taiwan Island	HU Shu, LI Ying, and WEI Na (81)
Analysis of Vertical Structure of Clouds in East Asia with CloudSat Data	PENG Jie, ZHANG Hua, and SHEN Xinyong (91)
Comparison of Diurnal Temperature Variation in Urban and Rural Areas in Beijing and Its Seasonal Change	YANG Ping, XIAO Ziniu, and LIU Weidong (101)
Turbulence Influenced by Mesoscale Motions in the Stable Boundary Layer over Complex Terrain of the Loess Plateau	LIANG Jiening, ZHANG Lei, BAO Jing, ZHAO Shiqiang, HUANG Jianping, and Zhang Wu (113)
Numerical Simulations of a Highly Complex Fog Event on Shanghai-Nanjing Expressway	BAO Yunxuan, DING Qiuji, YUAN Chengsong, and YAN Mingliang (124)
The Configuration Change and Train Effect Mechanism of Multi-Cell Storms	SUN Jisong, HE Na, GUO Rui, and CHEN Mingxuan (137)
Simulation Experiments with Different Planetary Boundary Layer Schemes in the Lower Reaches of the Yangtze River	XU Huiyan, ZHU Ye, LIU Rui, SHEN Hangfeng, WANG Donghai, and ZHAI Guoqing (149)
Study of the Impact of Tropical Cyclone Akash (0701) over the Bay of Bengal on a Heavy Rainfall Event in Southwest China	LÜ Aimin, WEN Yongren, and LI Ying (160)
Evaluation of the Performance of Low- to High-Resolution CCSM4 over East Asia and China	TIAN Zhiping and JIANG Dabang (171)