

中国自然科学核心期刊
中国科技论文统计源期刊
中国科学引文数据库期刊

ISSN 1674-7097
CODEN DKXAAG

大气科学学报

Transactions of Atmospheric Sciences

第43卷

Vol.43

第2期

No.2

2020



南京信息工程大学
NANJING UNIVERSITY OF INFORMATION SCIENCE & TECHNOLOGY

主办

大气科学学报

第43卷 第2期

目 次

论著

新冠肺炎疫情期间中国人为碳排放和大气污染物的变化

- 乐旭,雷亚栋,周浩,刘竹,胡斯勒图,蔡兆男,林金泰,江志红,廖宏 (265)
青藏高原及周边 UTLS 水汽时空特征的多源资料对比 唐南军,任荣彩,吴国雄 (275)
冬季东太平洋峡谷风的季节内变化及相联系的海气特征 刘雅楠,徐海明,张乐英 (287)
PJ 遥相关型对长江中下游夏季降水影响的不对称性 陶丽,于国强,王学兵 (299)
SVD 在识别江苏气旋类暴雨过程敏感区信号中的应用 杨梦兮,刘梅,俞剑蔚,胡瑞金,陈圣勘 (310)
多云天气下海南岛地形对局地海风环流结构影响的数值模拟 王凌梓,苗峻峰,管玉平 (322)
一次典型的平流层爆发性增温中的局地多尺度洛伦兹循环 徐芬,梁湘三 (336)
传播运动在对流风暴合并过程中的作用 侯淑梅,闵锦忠,王改利,吕博,王俊,孙晶,景安华 (347)
初夏孟加拉湾风暴与前期印度洋海温的关系研究 金燕,晏红明,万云霞,马永林 (358)
GPM 卫星和地面雷达对江苏盐城龙卷风强降水估测的对比 黄朝盈,张阿思,陈生,胡宝清 (370)
海河流域近 60 a 降水极值的频率分析及时空分布特征 邵月红,刘玲,刘俊杰,吴俊梅 (381)
华东地区夏季中尺度对流系统的活动特征及成因研究 张柳,霍利微,潘玉洁 (392)
安徽省酷热天气分析及预报指标 张娇,王东勇,童金,余金龙,徐怡,郑淋淋,陶玮 (405)
基于激光雷达测风数据的复杂地形下风力机尾流特性研究 季明彬,高晓霞 (416)
《大气科学学报》征稿简则 (424)

(本刊刊名由曾庆存院士题写)

大气科学学报

Daqi Kexue Xuebao

(双月刊, 1978年创刊)

第43卷 第2期 (总第195期)

TRANSACTIONS OF

ATMOSPHERIC SCIENCES

(Bimonthly, started in 1978)

Vol. 43 No. 2 (Total Serial No.195)

主管单位 江苏省教育厅

主办单位 南京信息工程大学

编辑出版 南京信息工程大学期刊社《大气科学学报》编辑部

地 址 南京市宁六路219号(210044)

电 话 (025)58731158

电子邮箱 xbbjb@nuist.edu.cn

网 址 <http://dqkxxb.cnjournals.org>

印 刷 单位 江苏省地质测绘院

订 阅 全国各地邮局

国 内 发 行 江苏省邮政公司

国 外 发 行 中国国际图书贸易总公司

出 版 日期 2020年3月28日

Supervisor: Jiangsu Provincial Department of Education

Sponsor: Nanjing University of Information Science & Technology (NUIST)

Edited and Published by Editorial Department of: Transactions of Atmospheric Sciences, Journal Office of NUIST

Address: No. 219 Ningliu Road, Nanjing 210044, Jiangsu Province, P. R. China

Tel: +86-25-58731158

E-mail: xbbjb@nuist.edu.cn

Website: <http://dqkxxb.cnjournals.org>

Printing Corporation: Jiangsu Geologic Surveying and Mapping Institute

Subscription: Post Offices throughout China

Domestic Distributor: Post Corporation of Jiangsu Province

Overseas Distributor: China International Book Trading Corporation

Date of Publication: March 28, 2020

中国标准连续出版物号 **ISSN 1674-7097**
CN 32-1803/P

国内邮发代号28-405

国外订阅代号BM4613

定价: 25.00元



ISSN 1674-7097



03>

CONTENTS

ARTICLES

- Changes of anthropogenic carbon emissions and air pollutants during the COVID-19 epidemic in China
..... YUE Xu, LEI Yadong, ZHOU Hao, LIU Zhu, LETU Husi, CAI Zhaonan, LIN Jintai,
JIANG Zhihong, LIAO Hong (265)
- Comparison of upper troposphere and lower stratosphere water vapor spatial and temporal distribution
between reanalysis data and MLS observations over the Tibetan Plateau
..... TANG Nanjun, REN Rongcai, WU Guoxiong (275)
- Sub-seasonal variation of gap winds over the eastern Pacific and its associated air-sea interaction
..... LIU Yanan, XU Haiming, ZHANG Leying (287)
- Asymmetric effect of Pacific-Japan teleconnection pattern on summer precipitation in middle and lower
reaches of Yangtze River TAO Li, YU Guoqiang, WANG Xuebing (299)
- Applications of SVD in identifying signals of sensitive areas in two processes of Jiangsu
Cyclonic Rainstorms YANG Mengxi, LIU Mei, YU Jianwei, HU Ruijin, CHEN Shengjie (310)
- Numerical simulation of impact of topography of Hainan Island on structure of local sea breeze circulation
under cloudy weather WANG Lingzi, MIAO Junfeng, GUAN Yuping (322)
- The local Lorenz cycle underlying a typical stratospheric sudden warming ... XU Fen, LIANG Xiangsan (336)
- Effect of propagation moving on the convective storm mergence process
..... HOU Shumei, MIN Jinzhong, WANG Gaili, LYU Bo, WANG Jun, SUN Jing, JING Anhua (347)
- Study on the relationship between early summer storm in the Bay of Bengal and previous Indian
Ocean SST JIN Yan, YAN Hongming, WAN Yunxia, MA Yonglin (358)
- Inter-comparison of rainfall estimates from radar, satellite and gauge during the Yancheng Tornado
..... HUANG Chaoying, ZHANG Asi, CHEN Sheng, HU Baoqing (370)
- Frequency analysis and its spatiotemporal characteristics of precipitation extremes in the Haihe River Basin
during 1951—2010 SHAO Yuehong, LIU Ling, LIU Junjie, WU Junmei (381)
- Research on the activity characteristics and the formation cause of MCS over East China in summer
..... ZHANG Liu, HUO Liwei, PAN Yujie (392)
- Analysis and forecast indexes of extreme hot weather in Anhui Province
..... ZHANG Jiao, WANG Dongyong, TONG Jin, YU Jinlong, XU Yi, ZHENG Linlin, TAO Wei (405)
- Research on wake characteristics of wind turbine in complex terrain based on lidar data
..... JI Mingbin, GAO Xiaoxia (416)

期刊基本参数:CN32-1803/P * 1978 * b * A4 * 160 * zh * P * ¥ 25.00 * 2000 * 14 * 2020-03

本期责编:袁东敏 英文编辑:Nicholas Angiers、倪东鸿、薛晓娟、赵文焕