

高原气象

(GAOYUAN QIXIANG)

第 42 卷 第 2 期 2023 年 4 月

目次

综述

青藏高原热源对我国旱区气候异常影响研究进展
..... 罗红羽, 于海鹏, 胡泽勇, 杨耀先, 蔡 英, 谷良雷, 樊威伟, 付春伟, 吴 笛, 王冠添 (257)

论文

华北夏季降水异常与华南前汛期降水异常的关系 郝立生, 丁一汇 (272)

青藏高原与中国西北干旱区地面感热季节增强时间的差异及相互关系
..... 王 蕊, 李栋梁, 王 慧, 卢国阳, 刘丽伟, 黄鹏程 (283)

基于 CMIP6 模式数据的 1961—2099 年青藏高原降水变化特征分析
..... 陈 荣, 段克勤, 尚 激, 石培宏, 孟雅丽 (294)

CMIP6 模式对青藏高原极端气温指数模拟能力评估及预估 李宛鸿, 徐 影 (305)

青藏高原夏季旱涝年降水准双周振荡及低频环流特征分析
..... 王熙翌, 张 宇, 宋敏红, 曾钰婷, 李天雅 (320)

动态植被模型对青藏高原植被的模拟检验 鲍 艳, 王玉琦, 南素兰, 俞 森 (333)

1960 年以来藏东南地区气温和降水的变化特征
..... 李朝月, 崔 鹏, 郝建盛, 张国涛, 王 姣, 贾 洋 (344)

云贵高原超高压输电线一次大范围覆冰的时空分布特征、数值模拟和天气学成因研究
..... 柴 灏, 张厚荣, 王 奇, 苏浩辉, 杨元建, 高志球 (359)

云贵高原东北部一次罕见冰雹超级单体结构特征与发展分析
..... 杨 静, 姚秀萍, 李彦霖, 朱文达, 朱文剑 (374)

云南冬季气温变化的主要模态及其影响的关键环流因子
..... 晏红明, 王 灵, 金 燕, 马思源, 黎文懋, 万云霞 (386)

夏季高原低涡切变影响下云南大雨暴雨的分布及成因研究
..... 黄慧君, 郑建萌, 马 涛, 张万诚, 何 钰, 朱 莉 (403)

山西高原大冰雹与小冰雹的环境参量对比分析 赵海英, 王秀明, 周晋红 (417)

干旱河岸生态系统对局地地表温度影响的生物物理机制研究 罗凡迪, 陈惠玲, 朱高峰 (427)

不同初边界场对一次超级单体过程模拟影响的研究 王思祺, 张文韬, 王澄海 (435)

基于 MUAM 模拟的 20 世纪末 12 月平流层十年际变化 刘仁强, 谢济鸿, 黎 颖 (448)

加密自动站数据在睿图-中亚数值模式中的应用 张鑫宇, 范水勇, 张舒婷, 全继萍, 程志刚 (459)

CLDAS 温湿产品在贵州的适用性评估及订正 杨富燕, 彭 芳, 于 飞, 陈百炼 (472)

CMA-GFS 模式对东北半球环流形势预报能力的检验评估 祁春娟, 潘留杰 (483)
与数值模式预报结合的冬季延伸期强降温过程预测方法及业务化应用

..... 陈伯民, 周 坤, 信 飞, 马 俊, 靳利梅 (495)

甘肃省新旧气象站址观测资料对比及均一性分析 韩海涛, 李仲龙, 张 鸿, 张 瑾, 王雅萍 (506)

成都平原城市群夏季臭氧污染天气形势与潜在源分析
..... 卢宁生, 张小玲, 杜云松, 康 平, 陈军辉, 华 明, 雷 雨, 祁 宏 (515)

责任编辑 常宗强 张静辉 叶喜艳

封面图说明: 封面图片源自本期罗红羽, 于海鹏, 胡泽勇, 等撰写的“青藏高原热源对我国旱区气候异常影响研究进展”, 文中表明: 青藏高原不仅对与我国西北干旱气候背景的形成和维持起重要作用, 夏季青藏高原上空大气作为强热源, 还通过调控南亚高压、高原北侧经圈环流、西风急流、纬向行星波等环流系统, 对我国干旱区气候异常产生显著影响。

期刊基本参数: CN62-1061/P * 1982 * b * A4 * 272 * zh+en * P * ¥ 65.00 * 1000 * 22 * 2023-04 * d

PLATEAU METEOROLOGY

Vol. 42 No. 2 April, 2023

CONTENTS

Progress of the Impact of the Qinghai-Xizang Plateau Heat Sources on Climate Anomalies in Drylands of China	
..... LUO Hongyu, YU Haipeng, HU Zeyong, YANG Yaoxian, CAI Ying, GU Lianglei, FAN Weiwei, FU Chunwei, WU Di, WANG Guantian (257)	
Relationship between Summer Precipitation Anomaly in North China and Precipitation Anomaly in the Pre-Flood Season in South China	HAO Lisheng, DING Yihui (272)
The Difference and Correlation of Seasonal Enhancement Time of Surface Sensible Heat between the Qinghai-Xizang Plateau and the Arid Region of Northwest China	
..... WANG Rui, LI Dongliang, WANG Hui, LU Guoyang, LIU Liwei, HUANG Pengcheng (283)	
Characteristics of Precipitation Change over the Qinghai-Xizang Plateau from 1961 to 2099 based on CMIP6 Models	
..... CHEN Rong, DUAN Keqin, SHANG Wei, SHI Peihong, MENG Yali (294)	
Evaluation and Projection of Extreme Temperature Indices over the Qinghai-Xizang Plateau by CMIP6 Models	
..... LI Wanhong, XU Ying (305)	
Analysis of Biweekly Oscillation and Low-Frequency Circulation Characteristics of Summer Precipitation in Drought-Flood Years over the Qinghai-Xizang Plateau	WANG Xizhao, ZHANG Yu, SONG Minhong, ZENG Yuting, LI Tianya (320)
Evaluation of Vegetation Characteristics over Qinghai-Xizang Plateau Simulated by A Vegetation Dynamic Model	
..... BAO Yan, WANG Yuqi, NAN Sulan, YU Miao (333)	
Variation Characteristics of Temperature and Precipitation over the Southeast Xizang since 1960	
..... LI Chaoyue, CUI Peng, HAO Jiansheng, ZHANG Guotao, WANG Jiao, JIA Yang (344)	
Spatial and Temporal Distribution Characteristics, Numerical Simulation and Weather Science Causes of a Large Scale Icing Process on UHV Transmission Lines in Yunnan-Guizhou Plateau	
..... CHAI Hao, ZHANG Hourong, WANG Qi, SU Haohui, YANG Yuanjian, GAO Zhiqiu (359)	
Structural Characteristics and Developmental Analysis of the Rare Hail Supercell in the Northeast Yunnan-Guizhou Plateau	YANG Jing, YAO Xiuping, LI Yanlin, ZHU Wenda, ZHU Wenjian (374)
Dominant Patterns of Winter Temperature Variation in Yunnan and Key Circulation Factors Affecting on Them	
..... YAN Hongming, WANG Ling, JIN Yan, MA Siyuan, LI Wenmao, WAN Yunxia (386)	
Distribution and Genesis of Heavy Rain over Yunnan Affected by the Plateau Low Vortex Shear in Summer	
..... HUANG Huijun, ZHENG Jianmeng, MA Tao, ZHANG Wancheng, HE Yu, ZHU Li (403)	
Comparative Analysis of Environmental Parameters of Severe and Less Severe Hail events in Shanxi Plateau	
..... ZHAO Haiying, WANG Xiuming, ZHOU Jinhong (417)	
Studies of the Effects of Biophysical Factors on Surface Temperature over Arid Riparian Ecosystems in Northwest China	
..... LUO Fandi, CHEN Huiling, ZHU Gaofeng (427)	
Effects of Initial-Boundary Conditions on the Simulation of a Supercell Storm	
..... WANG Siqi, ZHANG Wentao, WANG Chenghai (435)	
Stratospheric Decadal Changes Simulated with the MUAM during Decembers at the End of the 20th Century	
..... LIU Renqiang, XIE Jihong, LI Ying (448)	
Application of Encrypted Automatic Weather Station Data in RMAPS-CA Numerical Model	
..... ZHANG Xinyu, FAN Shuiyong, ZHANG Shuting, QUAN Jiping, CHENG Zhigang (459)	
Evaluation of Applicability and Correction for the CLDAS Temperature and Relative Humidity Products in Guizhou Province	
..... YANG Fuyan, PENG Fang, YU Fei, CHEN Bailian (472)	
Forecast Assessment of CMA-GFS on the Meteorological Elements in the Northeast Hemisphere	
..... QI Chunjuan, PAN Liujie (483)	
A Predicting Method of the Strong Cooling Process during Winter with Numerical Model Prediction and its Operational Application	CHEN Bomin, ZHOU Kun, XIN Fei, MA Jun, JIN Limei (495)
Comparison and Homogeneity Analysis of the New and Old Station Observation Data in Gansu Province	
..... HAN Haitao, LI Zhonglong, ZHANG Hong, ZHANG Jin, WANG Yaping (506)	
Objective Weather Classification and Potential Source Analysis of Ozone Pollution during Summer in Chengdu Plain Urban Agglomeration	
..... LU Ningsheng, ZHANG Xiaoling, DU Yunsong, KANG Ping, CHEN Junhui, HUA Ming, LEI Yu, QI Hong (515)	