

## 目次

### AI气象应用

- “风清”人工智能天气预报模型业务应用性能评估 ..... 李妮娜 金荣花  
    宫宇代刊 曹勇 聂高臻 林建韦 青 吴海旭 罗华坤 龙明盛 王建民 (513)
- “风顺”模型对中国盛夏气温候尺度预测技巧评估 ..... 刘俊杰 陆波  
    李昊 陈磊 仲晓辉 周辰光 胡家晖 吴捷 赵春燕 辛昱杭 赵阳 钱奇峰 (527)
- 盘古预报产品融合物理约束深度学习温度预报方法 .....  
    ..... 蒋健 李明志 李超 黄开刚 龙柯吉 (538)
- 利用生成对抗网络提升江淮地区强降水临近预报性能 .....  
    ..... 庄潇然 代刊 曾康 徐珺 王啸华 刘梅 (552)

### 论文

- 准双周振荡对2023年6月广东连续暖区暴雨的影响 .....  
    ..... 纪忠萍 谷德军 高晓容 徐艳虹 李珊珊 梁巧倩 涂静 梁伟杰 (566)
- 长三角地区不同环流型下强降水模式预报性能评估 .....  
    ..... 张欣 刘凑华 戴建华 朱佳蓉 储海 (580)
- 雷达多观测模式在不同类型天气过程中的适用性评估 .....  
    ..... 王鹏飞 管理 张晶 陈波 成璐 刘子奇 王坤 (595)
- 山西垣曲一次严重致灾电线积冰形成机制分析 ..... 邱贵强 赵桂香 王扬 卫甜 郝婧宇 (608)
- 基于环流分型的拉萨机场降雪天气对比分析 ..... 袁敏 王迪 朱国辉 田续蔚 (621)

### 天气、气候评述

- 2026年2月大气环流和天气分析——全国大部气温偏高 黄淮等地降水偏多 .....  
    ..... 美丽巴奴·艾则孜 陶亦为 (631)

# METEOROLOGICAL MONTHLY

Vol. 52 No. 5 (Sum No. 617)

May 2026

## Contents

### Articles

- Performance Evaluation on Operational Application of the AI-Based Global Short- and Medium-Range Forecasting System—Fengqing Model ..... *LI Nina JIN Ronghua GONG Yu DAI Kan CAO Yong NIE Gaozhen LIN Jian WEI Qing WU Haixu LUO Huakun LONG Mingsheng WANG Jianmin* (513)
- Assessment of Pentad-Scale Prediction Skill of the Fengshun Model for Midsummer Temperature over China .....  
..... *LIU Junjie LU Bo LI Hao CHEN Lei ZHONG Xiaohui ZHOU Chenguang HU Jiahui WU Jie ZHAO Chunyan XIN Yuhang ZHAO Yang QIAN Qifeng* (527)
- Temperature Forecasting Method of Physics-Constrained Deep Learning Integrated with Pangu-Weather Model Forecast Products ..... *JIANG Jian LI Mingzhi LI Chao HUANG Kaigang LONG Keji* (538)
- Using Generative Adversarial Network to Improve Heavy Precipitation Nowcasting in the Jianghuai Area .....  
..... *ZHUANG Xiaoran DAI Kan ZENG Kang XU Jun WANG Xiaohua LIU Mei* (552)
- The Influence of Quasi-Biweekly Oscillations on Continuous Warm-Sector Rainstorms in Guangdong in June 2023  
..... *JI Zhongping GU Dejun GAO Xiaorong XU Yanhong LI Shanshan LIANG Qiaoqian TU Jing LIANG Weijie* (566)
- Evaluation of Heavy Precipitation Forecast Performance of Numerical Weather Models Under Different Circulation Patterns in the Yangtze River Delta Region .....  
..... *ZHANG Xin LIU Couhua DAI Jianhua ZHU Jiarong CHU Hai* (580)
- Applicability Evaluation of Radar Multiple Observation Modes in Different Types of Weather Events .....  
..... *WANG Pengfei GUAN Li ZHANG Jing CHEN Bo CHENG Lu LIU Ziqi WANG Kun* (595)
- Analysis on the Formation Mechanism of a Serious Disaster Process Caused by Wire Icing in Yuanqu, Shanxi Province  
..... *QIU Guiqiang ZHAO Guixiang WANG Yang WEI Tian HAO Jingyu* (608)
- Comparative Analysis of Snowfall Events at Lhasa Airport Based on Circulation Type Classification .....  
..... *YUAN Min WANG Di ZHU Guohui TIAN Xuyu* (621)
- Analysis of the February 2026 Atmospheric Circulation and Weather ..... *Meilibanu Aizezi TAO Yiwei* (631)

本期责任编辑 侯翠梅