

中国科技论文统计源期刊（中国科技核心期刊）  
中国学术期刊综合评价数据库统计源期刊  
中文科技期刊数据库收录期刊

# 干旱气象

## Journal of Arid Meteorology

第37卷 第3期 Volume 37 Issue 3 **2019**



ISSN 1006 - 7639  
CN62-1175/P

中国气象局兰州干旱气象研究所  
中国气象学会干旱气象学委员会

主办

# 干旱气象

(GANHAN QIXIANG)

第 37 卷 第 3 期 2019 年 6 月

## 目 次

### 论 文

- 基于 SPEI 的广西喀斯特地区 1971—2017 年干旱时空演变 ..... 陈燕丽,蒙良莉,黄肖寒,莫建飞,王莹,莫伟华(353)
- 长春市冬季降水相态的温度判据研究 ..... 董 伟,杨光武,马梁臣,朱 丹(363)
- 大渡河流域雨量时空分布特征及雨季转换指标 ..... 郭 洁,宋雯雯,郑 昊,刘新超(370)
- 青海高原致灾性对流天气时空分布特征 ..... 朱 平,俞小鼎,王振会,肖建设(377)
- 湖陆山地复杂地形下近地层风速预报研究 ..... 吴 琼,徐卫民(384)
- 太原汛期短时强降水环流分型及环境参量分析 ..... 周晋红,赵彩萍,董春卿(392)
- 甘肃一次冰雹过程降水及闪电活动特征 ..... 宋 强,王基鑫,傅 朝,李 红,卢国阳,魏素娟(400)
- 江苏阜宁龙卷超级单体风暴的雷达资料分析 ..... 张玉洁,苑文华,徐百言(409)
- 豫北两次特大暴雨事件的物理量极端性和中尺度特征 ..... 王 君(419)
- CLM4.5 在西北农牧交错带盐池站的模拟性能评估 ..... 朱昱作,张兰慧,谈幸燕,祝 毅,韩智博,贺缠生(430)
- 基于 Landsat 遥感影像资料的新疆阿尔泰山圆叶桦的空间变化特征 ..... 李 莉,郭 斌,梁 艳(439)
- 水分胁迫对扬花期冬小麦光合特性和干物质生产及产量的影响 ..... 张继波,薛晓萍,李 楠,李鸿怡,张 磊,宋计平(447)
- 1987—2016 年安徽省暑期体感温度时空变化特征 ..... 姚镇海,姚叶青,王传辉,樊 凡,施国萍(454)
- 秦皇岛气象因素对儿童下呼吸道疾病就诊人数影响及预测研究 ..... 李瑞盈,张一博,杨 佳,赵 铭,孙丽华,卢宪梅(460)

### 业务技术应用

- 基于标准差分析法的 X 波段双偏振天气雷达资料质量评估 ..... 李思腾,仰美霖,李 林,张舒婷,张治国,潘昱冰(467)
- 西藏高原一次冰雹天气云降水模式预报产品检验 ..... 刘俊卿,央金卓玛,廖晓坤,史月琴,杨 刚,强德厚,刘端阳(477)
- 不同材质墙体日光温室内气温演变 ..... 魏瑞江,乐章燕,王 鑫,尹庆珍,韩建会(483)
- 农业气象观测记录年报表审核系统设计与实现 ..... 成兆金,庄立伟,吴门新,李 轩(490)
- 兰新高铁挡风墙防风效果分析评估 ..... 潘新民,马秀清,徐 洁(496)
- 安徽省电线覆冰厚度推算初探 ..... 王传辉,姚叶青,苗开超,姚镇海,刘承晓(500)
- 基于动态最优 PP 法的乡镇温度预报技术 ..... 张成军,雷学锋,李 娜,史海玲(508)

责任编辑:黄小燕 王涓力

封面图说明:中国气象局定西干旱气象与生态环境野外科学试验基地全景(李耀辉 提供)

期刊基本参数:CN62-1175/P\*1982\*q\*A4\*164\*zh\*P\*¥36.00\*1000\*21\*2019-03\*n

# Journal of Arid Meteorology

Vol. 37 No. 3 June, 2019

## CONTENTS

### Articles

- Temporal and Spatial Distributions of Drought in Guangxi Karst Area During 1971 – 2017 Based on Standardized Precipitation Evapotranspiration Index ..... CHEN Yanli, MENG Liangli, HUANG Xiaohan, et al(353 )
- Discrimination of Winter Precipitation Types Based on Temperature in Changchun City .....  
..... DONG Wei, YANG Guangwu, MA Liangchen, et al(363)
- Analysis on Spatial and Temporal Distribution of Areal Precipitation in Dadu River and Rainy Season Transition Indexes .....  
..... GUO Jie, SONG Wenwen, ZHENG Hao, et al(370)
- Temporal and Spatial Distribution Characteristics of Disastrous Convective Weather over the Qinghai Plateau .....  
..... ZHU Ping, YU Xiaoding, WANG Zhenhui, et al(377)
- Near Ground Wind Speed Prediction Under Complex Topography with Lake, Plain and Mountains ... WU Qiong, XU Weimin(384)
- Circulation Classification and Environmental Parameters Analysis on Short – time Heavy Rainfall in Flood Season in Taiyuan .....  
..... ZHOU Jinhong, ZHAO Caiping, DONG Chunqing(392)
- Characteristic of Precipitation and Lightning Activity of a Hailstorm Event in Gansu Province .....  
..... SONG Qiang, WANG Jixin, FU Zhao, et al(400)
- Analysis of the Tornado Storm Based on Doppler Weather Radar Data in Funing .....  
..... ZHANG Yujie, YUAN Wenhua, XU Baiyan(409)
- Analysis of Extremity and Mesoscale Characteristic on Two Torrential Rain Processes in North He’nan Province .....  
..... WANG Jun (419)
- Evaluation of Simulation Performance of CLM4.5 at the Yanchi Station in the Agricultural – Pastoral Ecotone of Northwest China ...  
..... ZHU Yuzuo, ZHANG Lanhui, TAN Xingyan, et al(430)
- Spatial Variation Characteristics of *Betula Rotundifolia* in Xinjiang Altai Mountains ..... LI Li, GUO Bin, LIANG Yan(439)
- Effects of Water Stress on Photosynthetic Characteristics, Dry Matter Production and Yield of Winter Wheat at Flowering Stage .....  
..... ZHANG Jibo, XUE Xiaoping, LI Nan, et al(447)
- Temporal and Spatial Characteristics of Somatosensory Temperature in Summer Holiday in Anhui Province During 1987 – 2016 .....  
..... YAO Zhenhai, YAO Yeqing, WANG Chuanhui, et al(454)
- Study of the Influence of Meteorological Condition on Children Lower Respiratory Tract Infection and the Prediction Model in Qinhuangdao .....  
..... LI Ruiying, ZHANG Yibo, YANG Jia, et al(460)

### Technology and Applications

- Evaluation on Data Quality of X – band Dual Polarization Weather Radar Based on Standard Deviation Analysis .....  
..... LI Siteng, YANG Meilin, LI Lin, et al(467)
- Verification of Cloud Precipitation Model Forecast Products During a Hailstorm Process in Tibet Plateau .....  
..... LIU Junqing, Yangjinzhuoma, LIAO Xiaokun, et al(477)
- Temperature Evolution in Solar Greenhouse with Different Materials Wall ... WEI Ruijiang, LE Zhangyan, WANG Xin, et al(483)
- Agrometeorological Observation Report Verification System Design and Implementation .....  
..... CHENG Zhaojin, ZHUANG Liwei, WU Menxin, et al(490)
- Analysis and Evaluation About Anti – wind Efficiency of Windbreak Experimental Section in Lan – Xin Railway .....  
..... PAN Xinmin, MA Xiuqing, XU Jie(496)
- A Preliminary Study on the Calculation of Wire Icing Thickness in Anhui Province .....  
..... WANG Chuanhui, YAO Yeqing, MIAO Kaichao, et al(500)
- Forecasting Technology of Township Temperature Based on Dynamic Optimal PP Method .....  
..... ZHANG Chengjun, LEI Xuefeng, LI Na, et al(508)