



ISSN 1673-8411

# 气象研究与应用

Journal of Meteorological Research and Application



万方数据

科学出版社

3

第35卷  
VOL.35

2014

# Journal of Meteorological Research and Application

Quarterly Vol. 35 No. 3 Sep 2014

## Contents

- Structural Characteristics of Multi-scale Weather System in a Precipitation Process ..... LIN Zhong-gui, LIN Mo, LIN Kai-ping, et al. (1)
- Analysis of Sensitive Area for summer half year precipitation in Guangdong province ..... Xue Yu-jun, Dong Han-yu, Chen Li, et al. (5)
- Short-term climate forecast method research on the start of cold dew wind in Guangxi ..... QIN Wei-jian, HUANG Zhi, LI YAO-XIAN (11)
- Research on the Forecasting Index for the Thunderstorms in Guangxi ..... Liang Wei-liang, Qu Mei-fang, Lai Zhen-quan, et al. (15)
- DIAGNOSTIC ANALYSIS AND NUMERICAL STUDY OF A THUNDERSTORM IN SOUTHERN CHINA ..... (20)
- Climatic characteristic analysis on the precipitation in Rongshui County of Guangxi during recent 55 years ..... Tan Min-ling, He Ru, Luo Hong-lei (27)
- Application of EMD Method in Prediction of Summer Precipitation in Guangxi ..... Ma Jun, Lu jia, Zhao Jin-biao (31)
- Climate characteristics and influence factors analysis of sunlight in Xiangxi Autonomous Prefecture ..... WU Zhi-ke, Qin Xiang-tao, Wang Xin-zhong, et al. (36)
- Comparison analysis of two rain turning to snow processes of refluxes in Spring of Xuchang ..... Zheng Ya-xin, Li Fang, Li zhi-yong (44)
- Risk assessment of sugarcane yield loss in main planting areas of Guangxi ..... Liao Xue-ping, Du Yu, Huang Mei-li, et al. (50)
- Analysis on the meteorological disaster of rubber tree in Hainan ..... Fu Xiao-hong, Zheng Yu-qun (54)
- Message warning publishing system of disastrous weather for power grids and its applications in Guangxi ..... Zhong Li-hua, Liu Shi-xue, Yuan Li-jun, et al. (58)
- Relationship between fruit enlarging rate of Wenzhou mandarin orange and moisture in environment ..... Tang Guang-tian, Zou Li-xia (61)
- Analysis of spatio-temporal variation characteristics of tourism climate comfort degree in Xijiang River Basin ..... Li Yan-lan, Zhou Mei-li (65)
- Technological Application of Integration Development for Delphi and Mapinfo ..... Xu Dong-ying, Huang Xiao-hui, He Fei (71)
- Agroclimatic assessment of drought index affecting corn yield in Tianyang ..... Zhou Dong-mei, Ouyang Zhao-Yun, Zhang He-wen, et al. (75)
- Analysis on Ecological and Climatic Conditions for Cultivation of Camellia Oleifera Abel. in Shangsi County ..... Huang Min-tang, Huang Qing-tang, Wang Guo-an, et al. (79)
- Discussion and research on rocket hail suppression technique ..... Chen An-shi, Tang Xin, Lv Shu-hang (82)
- Some Technique Problems in the Artificial Precipitation Enhancement Operation by Rockets ..... Xu Dong-ying (85)
- Practices and thinking of Climate Change spread for public education in Zhuang Region ..... Luo Guixiang, Zhu Dingzhen (90)
- Common faults and solutions of meteorological environment monitoring system in Guangxi ..... Chen She-guang (94)
- Main problem and Its solution of local debugging of Fangchenggang CINRAD ..... Luo Sheng-yan, Mei Yu-hao, Luo Yi-ren (97)
- Analysis on failure of CINRAD/SA radar receiver ..... Li Qiang, Liu Yong-liang, Yu Ying (100)
- Analysis on the program of reading per minute spare data ..... Liao Qi-ru, Li Xiao-ping, Fan Xiao-li, et al. (103)
- Application of Lightning disaster risk assessment on the practical work ..... Li Jing-hong, Gan Bao, Lu Qi-dong (105)
- Present situation and response of lightning disaster prevention in Bobai county ..... Liang Zhen-hua (108)
- Analysis on lightning protection facilities of the new factory building ..... Tang Lei, Li Chui-jun, Wu Xiu-lian (110)
- Discussion and present releasing situation of early warning signal in Chongzuo ..... Lu Bing-fu, Leng Wei, Liang Yong-qiang (115)
- New mode of modern media efficient meteorological service ..... Ding Hao, Zhang Zhe-ru (122)

## 气象研究与应用(季刊)

1956年8月创刊

2014年(第35卷)第3期(总第180期)

主管:广西壮族自治区气象局

主办:广西气象学会

协办:中山大学环境科学与工程学院  
广西大学环境学院

编辑:《气象研究与应用》编辑部

南宁市民族大道81号(邮编:530022)

出版:科学出版社

统一刊号:ISSN 1673-8411

CN 45-1356/P

编委会主任:李耀先

编委会副主任:林开平 廖雪萍

主编:李耀先

副主编:符 符合 黄海平 金龙 孙涵

编辑部主任:李耀先

责任编辑:覃峥嵘

印刷:广西广香彩印有限公司

国内发行:科学出版社

北京东黄城根北街16号(邮编:100717)

国外发行:北京市安定门外安华里504号

中国出版对外贸易总公司报刊出口部(邮编:100011)

出版日期:2014年9月出版

ISSN 1673-8411

网址: <http://gxyjyy.paperopen.com>

<http://www.cnki.net> <http://www.periodicals.net.cn>

E-mail: [gxyjyy@163.com](mailto:gxyjyy@163.com); [gxqxbjb@163.com](mailto:gxqxbjb@163.com)

电话:0771-5848935, 5856663, 5846956

公开发行 定价:20.00元



9 771673 841078

# 气象研究与应用

## QIXIANG YANJIU YU YINGYONG

2014年(第35卷)第3期(总第180期)

### 目次

#### ·天气气候·

- 一类降水过程多尺度天气系统结构特征 ..... 林宗桂, 林墨, 林开平, 等(1)
- 广东省夏半年降水敏感区域分析 ..... 薛羽君, 董航宇, 陈莉, 等(5)
- 广西寒露风开始期短期气候预测方法研究 ..... 覃卫坚, 黄志, 李耀先(11)
- 广西雷暴天气预报指标研究 ..... 梁维亮, 屈梅芳, 赖珍权, 等(15)
- 华南一次特大暴雨诊断及数值模拟 ..... 叶朗明, 陈明惠, 夏冠聪(20)
- 近55年广西融水县降水气候特征分析 ..... 谭敏玲, 何如, 罗红磊(27)
- EMD方法在广西夏季降水量预测中的应用 ..... 马军, 陆甲, 赵金彪(31)
- 湘西自治州日照气候特征及影响因素分析 ..... 吴志科, 卿湘涛, 王心中, 等(36)
- 许昌两次初春回流类雨转雪过程对比分析 ..... 郑雅心, 李芳, 李志勇(44)

#### ·应用气象·

- 广西甘蔗主产区产量灾损风险评估 ..... 廖雪萍, 杜裕, 黄梅丽, 等(50)
- 海南橡胶的气象灾害分析 ..... 符晓虹, 郑育群(54)
- 广西电网灾害性天气短信预警发布系统及应用 ..... 钟利华, 刘世学, 袁丽军, 等(58)
- 温州蜜柑果实膨大速度与水分环境的关系 ..... 唐广田, 邹丽霞(61)
- 西江流域旅游气候舒适度的时空变化特征分析 ..... 李艳兰, 周美丽(65)
- Delphi与桌面地理信息系统的集成二次开发 ..... 徐冬英, 黄晓辉, 何飞(71)
- 田阳干旱指数对早玉米产量影响的农业气候评价 ..... 周冬梅, 欧阳兆云, 张和稳, 等(75)
- 上思县油茶栽培气候生态条件分析 ..... 黄敏堂, 黄清堂, 王国安, 等(79)
- 火箭防雷技术探讨及研究 ..... 陈安世, 唐新, 吕抒航(82)
- 火箭人工增雨作业中应注意的一些技术问题 ..... 徐冬英(85)
- 壮族地区气候变化公众教育传播的实践与思考 ..... 罗桂湘, 朱定真(90)

#### ·大气探测与仪器·

- 广西气象探测环境实景监控系统常见故障与排除 ..... 陈设广(94)
- 防城港新一代天气雷达现场调试的主要故障及处理方法 ..... 罗生言, 梅宇浩, 骆艺仁(97)
- CINRAD/SA雷达接收机故障分析 ..... 李强, 刘永亮, 於莹(100)
- 备用分钟数据读取程序浅析 ..... 廖其瑞, 李肖平, 樊俏丽, 文秀(103)

#### ·防雷技术及其他·

- 雷电灾害风险评估在实际工作中的运用 ..... 李宏景, 甘宝, 陆启东(105)
- 博白县雷电灾害防御工作现状及应对措施 ..... 梁振华(108)
- 新建厂房防雷分析 ..... 唐雷, 李垂军, 伍秀莲(110)
- 崇左市预警信号发布现状及探讨 ..... 卢炳夫, 冷伟, 梁永强(115)
- 现代传媒高效气象服务的新模式 ..... 丁灏, 张哲睿(122)
- 欢迎订阅2015年《气象研究与应用》 ..... (10)

[期刊基本参数]:CN45-1356/P\*1956\*q\*A4\*124\*zh\*p\*¥20.00\*3000\*29\*2014-3

# Journal of Meteorological Research and Application

Quarterly Vol. 35 No. 3 Sep 2014

## Contents

- Structural Characteristics of Multi-scale Weather System in a Precipitation Process ..... LIN Zhong-gui, LIN Mo, LIN Kai-ping, et al. (1)
- Analysis of Sensitive Area for summer half year precipitation in Guangdong province ..... Xue Yu-jun, Dong Han-yu, Chen Li, et al. (5)
- Short-term climate forecast method research on the start of cold dew wind in Guangxi ..... QIN Wei-jian, HUANG Zhi, LI YAO-XIAN (11)
- Research on the Forecasting Index for the Thunderstorms in Guangxi ..... Liang Wei-liang, Qu Mei-fang, Lai Zhen-quan, et al. (15)
- DIAGNOSTIC ANALYSIS AND NUMERICAL STUDY OF A THUNDERSTORM IN SOUTHERN CHINA ..... (20)
- Climatic characteristic analysis on the precipitation in Rongshui County of Guangxi during recent 55 years ..... Tan Min-ling, He Ru, Luo Hong-lei (27)
- Application of EMD Method in Prediction of Summer Precipitation in Guangxi ..... Ma Jun, Lu jia, Zhao Jin-biao (31)
- Climate characteristics and influence factors analysis of sunlight in Xiangxi Autonomous Prefecture ..... WU Zhi-ke, Qin Xiang-tao, Wang Xin-zhong, et al. (36)
- Comparison analysis of two rain turning to snow processes of refluxes in Spring of Xuchang ..... Zheng Ya-xin, Li Fang, Li zhi-yong (44)
- Risk assessment of sugarcane yield loss in main planting areas of Guangxi ..... Liao Xue-ping, Du Yu, Huang Mei-li, et al. (50)
- Analysis on the meteorological disaster of rubber tree in Hainan ..... Fu Xiao-hong, Zheng Yu-qun (54)
- Message warning publishing system of disastrous weather for power grids and its applications in Guangxi ..... Zhong Li-hua, Liu Shi-xue, Yuan Li-jun, et al. (58)
- Relationship between fruit enlarging rate of Wenzhou mandarin orange and moisture in environment ..... Tang Guang-tian, Zou Li-xia (61)
- Analysis of spatio-temporal variation characteristics of tourism climate comfort degree in Xijiang River Basin ..... Li Yan-lan, Zhou Mei-li (65)
- Technological Application of Integration Development for Delphi and Mapinfo ..... Xu Dong-ying, Huang Xiao-hui, He Fei (71)
- Agroclimatic assessment of drought index affecting corn yield in Tianyang ..... Zhou Dong-mei, Ouyang Zhao-Yun, Zhang He-wen, et al. (75)
- Analysis on Ecological and Climatic Conditions for Cultivation of Camellia Oleifera Abel. in Shangsi County ..... Huang Min-tang, Huang Qing-tang, Wang Guo-an, et al. (79)
- Discussion and research on rocket hail suppression technique ..... Chen An-shi, Tang Xin, Lv Shu-hang (82)
- Some Technique Problems in the Artificial Precipitation Enhancement Operation by Rockets ..... Xu Dong-ying (85)
- Practices and thinking of Climate Change spread for public education in Zhuang Region ..... Luo Guixiang, Zhu Dingzhen (90)
- Common faults and solutions of meteorological environment monitoring system in Guangxi ..... Chen She-guang (94)
- Main problem and Its solution of local debugging of Fangchenggang CINRAD ..... Luo Sheng-yan, Mei Yu-hao, Luo Yi-ren (97)
- Analysis on failure of CINRAD/SA radar receiver ..... Li Qiang, Liu Yong-liang, Yu Ying (100)
- Analysis on the program of reading per minute spare data ..... Liao Qi-ru, Li Xiao-ping, Fan Xiao-li, et al. (103)
- Application of Lightning disaster risk assessment on the practical work ..... Li Jing-hong, Gan Bao, Lu Qi-dong (105)
- Present situation and response of lightning disaster prevention in Bobai county ..... Liang Zhen-hua (108)
- Analysis on lightning protection facilities of the new factory building ..... Tang Lei, Li Chui-jun, Wu Xiu-lian (110)
- Discussion and present releasing situation of early warning signal in Chongzuo ..... Lu Bing-fu, Leng Wei, Liang Yong-qiang (115)
- New mode of modern media efficient meteorological service ..... Ding Hao, Zhang Zhe-ru (122)

## 气象研究与应用(季刊)

1956年8月创刊

2014年(第35卷)第3期(总第180期)

主管:广西壮族自治区气象局

主办:广西气象学会

协办:中山大学环境科学与工程学院  
广西大学环境学院

编辑:《气象研究与应用》编辑部

南宁市民族大道81号(邮编:530022)

出版:科学出版社

统一刊号:ISSN 1673-8411

CN 45-1356/P

编委会主任:李耀先

编委会副主任:林开平 廖雪萍

主编:李耀先

副主编:符 符合 黄海平 金龙 孙涵

编辑部主任:李耀先

责任编辑:覃嵘嵘

印刷:广西广香彩印有限公司

国内发行:科学出版社

北京东黄城根北街16号(邮编:100717)

国外发行:北京市安定门外安华里504号

中国出版对外贸易总公司报刊出口部(邮编:100011)

出版日期:2014年9月出版

ISSN 1673-8411

网址: <http://gxyjyy.paperopen.com>

<http://www.cnki.net> <http://www.periodicals.net.cn>

E-mail: [gxyjyy@163.com](mailto:gxyjyy@163.com); [gxqxbjb@163.com](mailto:gxqxbjb@163.com)

电话:0771-5848935, 5856663, 5846956

公开发行 定价:20.00元



9 771673 841078