

# 中国人口·资源与环境

CHINA

# Population Resources and Environment

ZHONGGUO RENKOU ZIYUAN YU HUANJING



全国中文核心期刊  
中国科技论文统计源期刊  
CSCD来源期刊  
中国科学引文数据库来源期刊  
RCCSE中国核心学术期刊  
NSSD核心期刊

ISSN 1002-2104



万方数据

## 2020年 第3期

(总第235期)

第30卷



# 目次



## 中国人口·资源与环境

月刊

(1991年创刊)

2020年 第30卷 第3期 总第235期

### 科学技术部《第四次气候变化国家评估报告》编制专题

- 中国气候变化的科学新认知  
.....巢清尘 严中伟 孙颖等(1)
- 气候变化研究的中国知识贡献及其影响局限  
.....郑秋红 巢清尘 吴灿等(10)
- 中国低碳城市试点的政策设计逻辑 .....庄贵阳(19)
- 中国可再生能源政策演化、效果评估与未来展望  
.....涂强 莫建雷 范英(29)

### 低碳发展

- 整合消费与增加值视角的中国行业碳排放变动分解研究  
.....李堃 王奇(37)
- 中国省际碳排放强度的空间效应及其传导机制研究  
.....赵桂梅 耿涌 孙华平等(49)
- 碳排放权交易机制能否兼顾企业效益与绿色效率?  
.....胡玉凤 丁友强(56)
- 林产品生物碳通量的动态生命周期评估  
.....王珊珊 张寒 聂影等(65)
- 可持续能源转型:模型构建与分析  
.....王江 张翔(74)

### 环境治理

- “2+26”城市治霾方案效果评估:以山东省为案例的研究  
.....毛显强 张庆勇(83)
- 道路交通拥堵与城市雾霾污染的关系研究  
.....冯国强 李菁 武卓尔等(93)
- 中美大气污染的空间交互影响 .....刘华军 王耀辉 雷名雨等(100)
- 中国环境信息公开的时空演化特征及其影响因素  
.....李永盛 张祥建 赵晓雷(106)

### 农林生态

- 中国粮食支持政策该向何处去? .....普冀喆 郑风田(115)
- 土地发展权交易与区域经济增长的时空溢出效应  
.....顾汉龙 刘忆莹 王秋兵(126)
- 水环境承载力约束下区域城镇化发展合理速度分析  
.....许长新 吴晓远(135)
- 林业生产性服务能促进农户林地规模经营吗?  
.....李立朋 李桦 丁秀玲(143)
- 乡村旅游背景下农户生计策略转变意愿研究  
.....孙凤芝 欧阳辰姗 胥兴安等(153)
- 干旱冲击下草地租赁对草场退化及牧户生计的影响  
.....励汀郁 谭淑豪(161)
- 沙化区生态移民的沙化感知、社会影响和适应性策略  
.....邵秀军 芦利广 杨鑫等(168)

**声明** 本刊发表的所有论文的作者已授权本刊专有使用和独家代理  
论文著作权,未经许可,不得转载、摘编。

刊名题字:邓小平

顾问:(按姓名笔画为序)

马宗晋 曲格平 刘江 刘鸿亮 苏纪兰  
李政道 欧阳自远 钱易

编委会主任:孙鸿烈

编委会副主任:刘燕华 唐波

委员:(按姓名笔画为序)

马燕合 王浩 王道龙 邓卫 甘师俊  
叶文虎 叶耀先 白先宏 曲久辉 刘学敏  
刘燕华 孙洪 孙鸿烈 杜平 李秀彬  
何建坤 张坤民 周永章 赵建军 倪晋仁  
郭日生 唐波 唐华俊 诸大建 黄晶

主编:刘燕华

副主编:唐波

主管:科学技术部

山东省科学技术厅

主办:中国可持续发展研究会

山东省可持续发展研究中心

中国21世纪议程管理中心

山东大学

编辑部主任:唐波

编辑部常务副主任:刘呈庆

责任编辑:李琪

出版:《中国人口·资源与环境》编辑部

(济南市文化东路88号 250014)

电话:(0531)86182958 86182967

<http://www.cpre.sdu.edu.cn>

中国标准连续出版物号: ISSN 1002-2104  
CN 37-1196/N

印刷:山东和平商务有限公司

国内发行:全国各地邮政局 24-93

国外发行:中国国际图书贸易总公司

(北京399信箱 100044)

广告发布登记:鲁工商广告字02156号

# CHINA POPULATION, RESOURCES AND ENVIRONMENT

Monthly  
Started in 1991

Vol. 30 No. 3 2020

## Sponsored by

- Chinese Society for Sustainable Development
- Research Center for Sustainable Development of Shandong Province
- Administrative Center for China's Agenda 21
- Shandong Normal University

Periodical Registration: ISSN 1002-2104  
CN 37-1196/N

Editor-in-Chief: LIU Yanhua

Deputy Editor-in-Chief: TANG Bo

Director of Editorial Office: TANG Bo

## Edited by

Editorial Board of *China Population, Resources and Environment*, No. 88, East Wenhua Road, Jinan Shandong 250014, China

Tel: (+86) 531 86182958

Fax: (+86) 531 86182958

<http://www.cpre.sdnu.edu.cn>

## Printed by

Shandong Heping Co., Ltd.

## Overseas Distributed by

China International Book Trading Corporation

P. O. Box 399, Beijing 100044, P. R. China

Overseas Price: US\$480.00 per Year

## Column Coopertators:

- Research Center of Social Development, School of the Central Committee of CPC
- Research Center for Sustainable Development of China, Peking University
- Research Center for Regional Sustainable Development, Institute of Geographical Sciences and Natural Resource Research, Chinese Academy of Sciences
- Research Academy of 21st Century Development, Tsinghua University
- Administrative Office of National Comprehensive Experimental Community for Sustainable Development

# CONTENTS

- A recent scientific understanding of climate change in China  
.....*CHAO Qing-chen YAN Zhong-wei SUN Ying et al*(1)
- Contribution of China's research on climate change and its limitations  
.....*ZHENG Qiu-hong CHAO Qing-chen WU Can et al*(10)
- Policy design logic of low-carbon city pilots in China  
.....*ZHUANG Gui-yang*(19)
- The evolution and evaluation of China's renewable energy policies and their implications for the future.....*TU Qiang MO Jian-lei FAN Ying*(29)
- Decomposition analysis of China's industrial carbon emission change based on consumption and value-added integrated perspective  
.....*LI Kun WANG Qi*(37)
- Spatial effects and transmission mechanism of inter-provincial carbon emission intensity in China  
.....*ZHAO Gui-mei GENG Yong SUN Hua-ping et al*(49)
- Can carbon emission permit trade mechanism bring both business benefits and green efficiency? .....*HU Yu-feng DING You-qiang*(56)
- Assessing biogenic carbon fluxes of wood products with a dynamic life cycle assessment approach  
.....*WANG Shan-shan ZHANG Han NIE Ying et al*(65)
- Modelling sustainable energy transitions  
.....*WANG Jiang ZHANG Xiang*(74)
- Evaluation of the effectiveness of '2+26' Cities' Haze Control Scheme: a case study of Shandong Province .....*MAO Xian-qiang ZHANG Qing-yong*(83)
- An investigation into the relationship between road traffic congestion and urban haze .....*FENG Guo-qiang LI Jing WU Zhuo-er et al*(93)
- The interaction of air pollution between China and the United States  
.....*LIU Hua-jun WANG Yao-hui LEI Ming-yu et al*(100)
- Analysis on the spatio-temporal evolution characteristics and influencing factors of environmental information disclosure in China  
..... *LI Yong-sheng ZHANG Xiang-jian ZHAO Xiao-lei*(106)
- Where should China's grain support policy go?  
.....*PU Ming-zhe ZHENG Feng-tian*(115)
- Spillover effects on transaction of land development right and regional economic growth .....*GU Han-long LIU Yi-ying WANG Qiu-bing*(126)
- Analysis of reasonable speed of regional urbanization development under the constraint of water environmental carrying capacity  
.....*XU Chang-xin WU Xiao-yuan*(135)
- Does forestry production services promote the scale of farmer's forest land management? .....*LI Li-peng LI Hua DING Xiu-ling*(143)
- Study on farmers' willingness to change livelihood strategies under the background of rural tourism  
.....*SUN Feng-zhi OUYANG Chen-shan XU Xing-an et al*(153)
- The impact of grassland rental market on pasture deterioration and herders' livelihood under drought .....*LI Ting-yu TAN Shu-hao*(161)
- Sense of land desertification, social influence and adaptive measures of eco-immigrants in desertification areas .....*TAI Xiu-jun LU Li-guang YANG Xin*(168)



# 中国人口·资源与环境



## CHINA Population Resources and Environment

国内定价：RMB 40  
欧美地区定价：USD 40  
东南亚及港澳台地区定价：HKD 60

邮发代号：24-93  
网 址：<http://www.cpre.sdu.edu.cn>  
中国标准连续出版物号：ISSN 1002-2104  
CN 37-1196/N