

# 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  
CSCSI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



1.1>

9 771002 210124

万方数据

2014年 第11期

(总第171期)

第24卷

# 目次

中国农业碳排放拐点变动及时空分异研究……颜廷武 田云 张俊飏等(1)

云南少数民族农户生产及生活能源碳排放测评… 杨红娟 胡静 刘红琴(9)

农业劳动生产率区域差异与农业用能强度收敛性……李静 蒋长流(17)

中国城市群“圈层”结构对能源强度影响实证……李治 郭菊娥 李培(26)

能源的“波特假说”效应存在吗? ……张华 王玲 魏晓平(33)

国外气候与能源政策相互作用的研究述评……嵇欣(42)

山东省能源消费分析及其优化策略……王敬华(51)

三峡生态屏障区农业面源污染的排放效率及其影响因素  
……肖新成 何丙辉 倪九派等(60)

非正式制度与农户亲环境行为……郭利京 赵瑾(69)

生态补偿问题国外研究进展综述……袁伟彦 周小柯(76)

基于政府间博弈的流域生态补偿机制研究……曲富国 孙宇飞(83)

草畜平衡补偿政策的受偿主体差异性探析… 李金亚 薛建良 尚旭东等(89)

产业转移对中国中部地区的环境影响研究……豆建民 沈艳兵(96)

资源型产业集群形成机理分析与实证……刘媛媛 孙慧(103)

中国资源型产业及制造业碳排放与工业经济发展的关系  
……朱俏俏 孙慧 王士轩(112)

自组织生态产业链社会网络分析及治理策略……郭永辉(120)

相对资源承载力模型的扩展与实证……孙慧 刘媛媛(126)

中国西部地区环境承载力多情景模拟分析……宁佳 刘纪远 邵全琴等(136)

废弃电子产品资源化潜力预测模型研究……王琪 杨旻 马红焱(147)

不可再生资源储量与信息最优发布时间……汪恒 王柳娟(154)

北京市政府绿色采购促进科技成果转化的实证  
……徐进亮 袁婷婷 常亮(161)

成都城市居民累进阶梯式水价结构与政策效果分析……马训舟 张世秋(168)

地理学与人口、资源与环境经济学的协同创新……张晓青 王志宝(176)

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。



## 中国人口·资源与环境

月刊

(1991年创刊)

2014年 第24卷 第11期 总第171期

刊名题字:邓小平

顾问:(按姓氏笔画为序)

马宾 马宗晋 冯之浚 卢良恕 刘江  
刘鸿亮 曲格平 任美镔 李政道 苏纪兰  
施雅风 钱易 欧阳自远

编委会主任:孙鸿烈

编委会副主任:刘燕华 赵彦修

委员:(按姓氏笔画为序)

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

主编:刘燕华

副主编:赵彦修

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

编辑部执行副主任:赵善伦

责任编辑:于杰

编辑:《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)86182969 86182968

传真:(0531)86182966

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

刊号:ISSN1002-2104  
CN37-1196/N

印刷:山东新华印务有限责任公司

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)

广告许可证:鲁工商广告字 02156号

# CHINA POPULATION, RESOURCES AND ENVIRONMENT

Monthly  
Started in 1991

Vol. 24 No. 11 2014

## 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: ZHAO Yanxiu

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 86182969

Fax: (+86) 531 86182966

<http://www.cpre.sdn.u.edu.cn>

## Printed by

Shandong Xinhua Printing Company Limited

## 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

- Research on Inflection Point Change and Spatial and Temporal Variation of China's Agricultural Carbon Emissions  
..... YAN Ting-wu TIAN Yun ZHANG Jun-biao et al(1)
- Evaluation of Carbon Emissions of Yunnan Minority Farmers' Production and Household Energy.....YANG Hong-juan HU Jing LIU Hong-qin(9)
- Regional Difference of Agricultural Labor Productivity and the Convergence of Agricultural Energy Consumption Intensity  
..... LI Jing JIANG Chang-liu(17)
- Empirical Analysis of Circling-layering of Urban Agglomerations on Energy Intensity..... LI Zhi GUO Ju-e LI Pei(26)
- Is There Really a "Porter Hypothesis" Effect of Energy?  
..... ZHANG Hua WANG Ling WEI Xiao-ping(33)
- Review on Climate and Energy Policy Interaction Abroad..... JI Xin(42)
- Energy's Consumption Analysis and Optimizing Strategies in Shandong Province..... WANG Jing-hua(51)
- Study on Emission Efficiency, Shadow Price and Motivation Factors of Agricultural Non-point Source Pollution in Ecological Barrier Zone of Three Gorges Reservoir Area..... XIAO Xin-cheng HE Bing-hui NI Jiu-pai et al(60)
- Informal Institutions and Farmers Pro-environmental Behavior  
..... GUO Li-jing ZHAO Jin(69)
- Review of Research Progress Abroad in Payments for Ecosystem Services  
..... YUAN Wei-yan ZHOU Xiao-ke(76)
- Study on Payments for Environmental Services in Basin Area based on Intergovernmental Game ..... QU Fu-guo SUN Yu-fei(83)
- Otherness Analysis on the Subjects of Indemnification about "Balancing Grass and Livestock" Compensation Policy  
..... LI Jin-ya XUE Jian-liang SHANG Xu-dong et al(89)
- On the Influence of the Industrial Transfer on the Environment in the Central Region of China..... DOU Jian-min SHEN Yan-bing(96)
- Model Hypothesis and Empirical Analysis of Formation Mechanism of Resources-Based Industry..... LIU Yuan-yuan SUN Hui(103)
- Research on the Relationship Between Carbon Emission of Chinese Resource-based Industry & Manufacturing Industry and Development of Chinese Industrial Economy  
..... ZHU Qiao-qiao SUN Hui WANG Shi-xuan(112)
- Social Network Analysis and Governance Strategy of Self-organization Eco-industrial Chain ..... GUO Yong-hui(120)
- Model Extensions and Empirical Analysis of the Relative Carrying Capacity of Resources..... SUN Hui LIU Yuan-yuan(126)
- Multiply Scenario Simulations of Environmental Carrying Capacity in the Western Region of China  
..... NING Jia LIU Ji-yuan SHAO Quan-qin et al(136)
- Research on Prediction Models of Electronic Waste Recycling Potential  
..... WANG Qi YANG Yang MA Hong-Ye(147)
- Resource Deposit and Optimal Announcement Time  
..... WANG Heng WANG Liu-juan(154)
- Empirical Research on Beijing's Promotion of the Transformation of Scientific and Technological Achievements Through Government Green Procurement..... XU Jin-liang YUAN Ting-ting CHANG Liang(161)
- Study on Structure and Policy Effects of Increasing Block Tariffs of Chengdu Residential Water..... MA Xun-zhou ZHANG Shi-qiu(168)

# 中国人口·资源与环境



## CHINA Population Resources and Environment

国内定价：RMB 20

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

刊 号：ISSN 1002-2104

CN 37-1196/N

网 址：<http://www.cpre.sdu.edu.cn>