

1. 英语基础成绩评分支撑材料

全国大学英语四级考试 成绩报告单				
				
姓 名:	何宗桂			
学 校:	宜宾学院			
院 系:	经济与管理学院			
身份证号:				
笔 试				
准考证号:				
考试时间:	2017年12月			
总分	听力 (35%)	阅读 (35%)	写作和翻译 (30%)	
472	156	166	150	
口 试				
准考证号:	--			
考试时间:	--			
等级				
--				
成绩报告单编号: 172151109002146				
				

2. 硕士阶段学习成绩评分支撑材料

四川轻化工大学研究生成绩单

姓名	何宗桂		学号	322095114103		年级	2022
学院	经济学院	专业	农村发展	学生类型	专业型	导师	焦翠翠
课程名称				课程性质	学时	学分	成绩
中国特色社会主义理论与实践				公共学位课	32	2	88
自然辩证法概论				公共学位课	16	1	94
英语				公共学位课	64	4	72
现代农业创新与乡村振兴战略				公共学位课	32	2	89
社会调查与研究方法				专业学位课	32	2	80
发展理论与实践				专业学位课	32	2	63
农村社会学				专业学位课	16	1	86
农村发展规划				专业学位课	32	2	84
农村公共管理				专业学位课	32	2	85
农业推广理论与实践				选修课	32	2	83
农村发展案例分析				选修课	32	2	92
乡村旅游规划				选修课	32	2	86
规划制图				选修课	32	2	96
论文写作指导					16	1	95
学位课学分	9.0	选修课学分	18.0	专业实践成绩	0.0	课程总学分	27.0
经济学院 (盖章)				研究生院 (盖章)			
经济学院				研究生院			

3. 专业素质与研究水平成绩评分支撑材料

中国科学院武汉科技查新咨询检索中心

检索附件：SCIE 收录论文及相关期刊影响因子和升级版分区情况

Record 1 of 1
Title: Analysis of Dynamic Changes in Carbon Footprints of Agricultural Production in the Middle and Lower Reaches of the Yangtze River
Author(s): He, ZG (He, Zonggui); Jiao, CC (Jiao, Cuicui); Ou, LM (Ou, Lanman)
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大类 农林科学 2 否
小类 AGRONOMY 农艺学 2 否

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中国科学院武汉科技查新咨询检索中心

检索报告

(报告编号: 2025-WJ-0850)

委托单位: 四川轻化工大学经济学院					
委托人: 何宗桂					
检索要求: 发表第一作者论文 "Analysis of Dynamic Changes in Carbon Footprints of Agricultural Production in the Middle and Lower Reaches of the Yangtze River"被 SCIE 收录与相关期刊影响因子和升级版分区情况					
检索结果					
数据库	论文收录(篇)				
SCIENCE CITATION INDEX-EXPANDED	1				
数据库	2025 年大类分区情况				
中国科学院文献情报中心 期刊分区表-升级版	分区	1 区	2 区	3 区	4 区
	篇数	0	1	0	0
*相关期刊影响因子和分区信息见附件。					
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agriculture



Article

Analysis of Dynamic Changes in Carbon Footprints of Agricultural Production in the Middle and Lower Reaches of the Yangtze River

Zonggui He, Cuijiao Jiao and Lanman Ou



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Article

Analysis of Dynamic Changes in Carbon Footprints of Agricultural Production in the Middle and Lower Reaches of the Yangtze River

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Abstract: Taking six provinces and one city in the middle and lower reaches of the Yangtze River as the main research object, this study investigated the carbon footprint of agricultural production in the region and promoted the development of agricultural carbon reduction. This study used the internationally mainstream IPCC emission factor method to calculate the carbon footprint of agricultural production, and selected indicators such as rural population, crop planting area, rural per capita GDP, and urbanization rate to analyze the influencing factors of agricultural carbon footprint in various provinces in the middle and lower reaches of the Yangtze River based on an extensible STIRPAT model. Due to differences in agricultural production conditions, the carbon footprint per unit area and unit yield vary among provinces and cities in the middle and lower reaches of the Yangtze River. From the 15 year average, the carbon footprint per unit area is synchronized with the carbon footprint per unit yield, with Zhejiang Province having the highest (9830.48 kg (CO₂ eq)/hm², 0.65 kg (CO₂ eq)/kg), Hubei Province in the middle (5017.90 kg (CO₂ eq)/hm², 0.54 kg (CO₂ eq)/kg), and Jiangxi Province having the lowest (3446.181 kg (CO₂ eq)/hm², 0.46 kg (CO₂ eq)/kg). From the perspective of emission structure, the carbon footprint generated by agricultural resource inputs accounts for the largest proportion, with fertilizer and fuel use being the main contributors to emissions. In the analysis of influencing factors, the indicators that mainly promote the carbon footprint of agricultural production include the following: rural population (R), ratio of agricultural value added to GDP (Z), total sown area of crops (B), level of agricultural technology (total power of agricultural machinery) (J), and degree of agricultural mechanization (N). The indicators that mainly inhibit the carbon footprint of agricultural production include the per capita disposable income of rural residents (P), rural GDP per capita (G), and urbanization rate (C). Other indicators have a relatively weak impact on carbon footprint. Overall, optimizing agricultural resource input, improving mechanized productivity, and reasonably controlling fertilizers are important ways of reducing carbon emissions from agricultural production. In the middle and lower reaches of the Yangtze River, it is still necessary to formulate emission reduction measures tailored to different ecological environment characteristics to achieve sustainable agricultural development.

Keywords: carbon footprint; middle and lower Yangtze River; dynamic changes; STIRPAT model; influence factor



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