

目 次

· 农业与生命科学 ·

大豆油分散体系制备高吸水 KGM 树脂的研究	史思雨, 曾志龙, 陈烁英, 李筠涵, 杨钰雯, 周涛, 刘雄	(001)
采后放置时间对橘红加工品营养成分、化学成分及抗氧化活性的影响	罗洋洋, 王计瑞, 秦伟瀚, 于静, 张小梅, 丁载宇, 王云红, 阳勇	(013)
喷布轻质碳酸钙和果胶对柑橘果实日灼病和品质的影响	钱卫, 付世军, 程籍, 庞尧, 王余富, 曲亦曼, 陈盈盈, 赵天一, 杨万云, 凌丽俐, 何义仲, 彭良志, 淳长品	(027)
不同施肥条件下瓢菜和黄白菜的光合及光谱特性研究	钟旭珍, 王媛, 王金亮, 马军, 张建鹏, 张微雨	(042)
光叶菝葜叶斑病病原鉴定与植物源杀菌剂毒力测定	黄雪铭, 刘泽, 胡贺晓, 高乞, 韦荣昌, 周浩	(056)
生物炭与亚硒酸钠对水稻镉吸收的协同阻控效应	蒋亚, 田茂苑, 周凯, 王丽, 刘桂华, 柴冠群, 罗丽娜, 王萍, 范成五	(068)
不同牧草套种模式对薄壳山核桃林地土壤微生物多样性的影响	杜洋文, 周国清, 杜拾平, 周倩, 张荣洋, 唐明孝	(079)
慢性热应激致肉鸡肠道损伤的作用机制研究	柴露露, 姚文倩, 杨垚, 董温英, 齐梅熙, 单春兰, 李慧, 林如涛	(094)
犬弓首蛔虫原肌球蛋白的免疫保护性分析	游怡宁, 李斌玉, 胡紫茵, 罗永莉, 胡铃, 周荣琼	(106)

· 农业经济研究 ·

基于省域面板数据的乡村旅游与农村经济发展耦合协调关系分析	朱辉升, 张文元	(114)
乡村旅游发展促进农村消费结构升级研究——基于 262 个地级市的实证分析	单妮娜, 陈俊言, 刘春莲, 滕汉伟	(128)
数字普惠金融对农村低收入家庭发展韧性的影响研究	王静, 魏晓博	(140)

· 地球与环境科学 ·

四川盆地红层景区网络关注度分布特征及影响因素分析	马炳岩, 李忠意	(153)
典型石漠化区入侵植物银合欢对蒜头果直播造林的影响	黄科朝, 黄甫昭, 吕仕洪, 周龙武, 曾丹娟, 徐广平	(169)

· 工程与信息技术 ·

多因素交互的面孔识别: 重复抑制脑区连接适配调制	吴海锋, 唐嘉, 曾玉	(179)
农业工况下双箭头非充气轮胎性能分析与优化	赵颖, 王义成, 赵博衡, 贾正阳, 孙晓宇, 郝纪波, 王月强, 王扬卫	(196)
基于改进 A* 与 DFS 算法的割草机全覆盖路径规划	彭星宇, 何辉波, 李华英, 黄云, 刘海洋	(214)
零维 Rb_3BiCl_6 卤化物钙钛矿光致发光机理的理论研究	周楷文, 李明, 何荣幸	(224)

JOURNAL OF SOUTHWEST UNIVERSITY

(NATURAL SCIENCE EDITION)

Vol. 48 No. 6

Total No. 378

Jun. 20, 2026

CONTENTS

Study on the Preparation of Highly Absorbent KGM Resin Using

Soybean Oil Dispersion System SHI Siyu, ZENG Zhilong,
CHEN Shuoying, LI Junhan, YANG Yuwen, ZHOU Tao, LIU Xiong (001)

Effects of Postharvest Storage on Nutrients, Chemistry, and Antioxidant Properties of

Processed Citri Exocarpium Rubrum (Juhong) LUO Yangyang, WANG Jirui,
QIN Weihai, YU Jing, ZHANG Xiaomei, DING Zaiyu, WANG Yunhong, YANG Yong (013)

Effects of Spraying Light Calcium Carbonate and Pectin on Sunburn and

Quality of Citrus Fruits QIAN Wei, FU Shijun,
CHENG Ji, PANG Yao, WANG Yufu, QU Yiman, CHEN Yingying, ZHAO Tianyi,
YANG Wanyun, LING Lili, HE Yizhong, PENG Liangzhi, CHUN Changpin (027)

Study on Photosynthetic and Spectral Characteristics of *Brassica chinensis* L. and

Brassica rapa var. *glabra* Regel under Different
Fertilization Conditions ZHONG Xuzhen,
WANG Yuan, WANG Jinliang, MA Jun, ZHANG Jianpeng, ZHANG Weiyu (042)

Identification of the Pathogen Causing *Smilax glabra* Leaf Spot and

Toxicity Evaluation of Botanical Fungicides HUANG Xueming,
LIU Ze, HU Hexiao, GAO Qi, WEI Rongchang, ZHOU Hao (056)

Synergistic Inhibitory Effects of Biochar and Sodium Selenite on

Cadmium Uptake in Rice JIANG Ya, TIAN Maoyuan, ZHOU Kai,
WANG Li, LIU Guihua, CHAI Guanqun, LUO Lina, WANG Ping, FAN Chengwu (068)

Effects of Different Forage Grass Intercropping Patterns on Soil Microbial Diversity of

Carya illinoensis DU Yangwen, ZHOU Guoqing,
DU Shiping, ZHOU Qian, ZHANG Rongyang, Tang Mingxiao (079)

Study on the Mechanism of Chronic Heat Stress-Induced Intestinal

Injury in Broilers CHAI Lulu, YAO Wenqian,

YANG Yao, DONG Wenyong, QI Meixi, SHAN Chunlan, LI Hui, LIN Rutao (094)

Immunoprotective Analysis of Tropomyosin from *Toxocara canis* YOU Yining,

LI Binyu, HU Ziyong, LUO Yongli, HU Ling, ZHOU Rongqiong (106)

Analysis of the Regional Coupling and Coordination Relationship between

Rural Tourism and Economy Based on Provincial

Panel Data ZHU Huisheng, ZHANG Wenyuan (114)

Research on the Promotion of Rural Tourism Development on the Upgrading of

Rural Consumption Structure——An Empirical Analysis Based on

262 Prefecture-Level Cities ... SHAN Nina, CHEN Junyan, LIU Chunlian, TENG Hanwei (128)

Research on the Impact of Digital Inclusive Finance on the Development

Resilience of Low-Income Rural Households WANG Jing, WEI Xiaobo (140)

Distribution Characteristics and Influencing Factors of Online Attention to

Red-bed Scenic Areas in the Sichuan Basin MA Bingyan, LI Zhongyi (153)

Effects of Invasive Alien Tree Species *Leucaena leucocephala* on

Direct Seeding Afforestation of *Malania oleifera* in Typical

Rocky Desertification Areas HUANG Kechao, HUANG Fuzhao,

LYU Shihong, ZHOU Longwu, ZENG Danjuan, XU Guangping (169)

Face Recognition under Multi-factor Interaction: Adaptive Modulation of

Connectivity in Repetition Suppression Brain Regions WU Haifeng,

TANG Jia, ZENG Yu (179)

Performance Analysis and Optimization of Double-Headed Arrow Non-Pneumatic

Tire under Agricultural Working Conditions ZHAO Ying,

WANG Yicheng, ZHAO Boheng, JIA Zhengyang,

SUN Xiaoyu, Hao Jibo, WANG Yueqiang, WANG Yangwei (196)

Full Coverage Path Planning for Lawn Mowers Based on Improved A* and

DFS Algorithms ... PENG Xingyu, HE Huibo, LI Huaying, HUANG Yun, LIU Haiyang (214)

Theoretical Study on the Photoluminescence Mechanism of Zero-dimensional

Rb₃BiCl₆ Halide Perovskite ZHOU Kaiwen, LI Ming, HE Rongxing (224)