

目 次

· 专家特稿 ·

冬水田机械化栽插密度的田间试验研究..... 熊昌国, 应 婧, 易文裕,
余满江, 程方平, 谢祖琪 (001)

· 农业科学 ·

不同微地形烟叶品质特征差异分析..... 李洪勋, 王龙昌, 冉春艳,
陈光宇, 潘文杰, 陈 伟, 林叶春 (010)

高温对豇豆叶片细胞膜脂过氧化和蛋白质表达的影响..... 崔 萌, 魏娟娟, 苏晓星,
邓子贤, 潘 宇, 李金华, 苏承刚, 张兴国 (021)

不同阴离子对负电荷胶体(蒙脱石)凝聚的影响 ... 傅 强, 郭 霞, 田 锐, 李 航 (028)

劳动力析出对山区牲畜养殖的影响——以重庆市典型区为例
..... 郑凯丽, 阎建忠, 何威风 (035)

· 生命科学 ·

宁夏黄河流域土地利用时空变化特征分析..... 李 帅, 顾艳文, 陈锦平,
曾成城, 魏 虹, 李昌晓, 李 健 (042)

· 数理科学与化学 ·

一个矩阵 F -范数不等式的推广 伍俊良, 石聪聪 (050)

一类退化 Kirchhoff 方程基态解的存在性 刘婷婷, 商彦英 (054)

一类具有广义次临界条件的 Kirchhoff 方程解的存在性与多重性
..... 段 誉, 张云艳, 孙 歆 (061)

高维空间中一类奇异 Kirchhoff 型问题正解的存在性 刘芮琪, 吴行平, 唐春雷 (067)

一类带有临界项的 Kirchhoff 型问题正解的存在性 朱同亮, 吴行平 (072)

带有临界指数的 Kirchhoff 方程正解的存在性 任正娟, 商彦英 (078)

逆的对偶 Brunn-Minkowski 不等式 杨 林, 罗 森, 侯林波 (085)

· 经济研究 ·

- 小城镇环境基础设施投资效率及其改进——重庆市 116 个小城镇的考察证据
..... 黄庆华, 姜松 (090)

· 地球与环境科学 ·

- 基于相对湿润指数的重庆市气象干旱时空分布特征 徐羽, 吴艳飞,
徐刚, 甘芬芳 (096)
- 1951 年—2014 年重庆市主城区降水变化特征分析——以沙坪坝区为例
..... 张晓惠, 谢世友, 任伟 (104)
- 基于物元模型的避暑休闲地产气候资源评价研究 宋丹妮, 匡鸿海 (110)
- 城市湿地局地小气候调节效应研究——以杭州西湖为例 ... 张伟, 朱玉碧, 陈锋 (116)

· 信息科学 ·

- 基于模糊熵改进的直方图匹配算法研究 张龙涛, 孙玉秋 (124)

· 心理学 ·

- 整齐与混乱环境对个体发散思维及原型启发效应的影响
..... 郑凯, 范玲霞, 杨东, 张庆林 (130)
- 初中生人际自立特质对抑郁抵御作用的纵向研究 徐晓艳, 夏凌翔 (138)

· 工程技术 ·

- 基于荷控忆阻器的蔡氏对偶混沌电路分析 王廷江 (144)
- 面向电动汽车充电站的智能主动型均衡控制研究 张里, 张劼 (150)
- 鲜茧层含水率与干壳量快速测量研究 井伟, 李光林, 宋杰 (158)
- 基于支持向量机回归的鲜烟叶含水量预测模型 詹攀, 谢守勇,
刘军, 黄河, 李佩原 (165)
- AMT 换挡机构载荷谱的采集及分析 杨平, 成云川 (171)
- 不同破损位置对膨胀土力学特性影响的三轴试验研究 张雅倩, 汪时机,
韩毅, 程明书, 江胜华 (176)

JOURNAL OF SOUTHWEST UNIVERSITY

(NATURAL SCIENCE EDITION)

Vol. 38 No. 4

Total No. 256

Apr. 20, 2016

CONTENTS

- An Experimental Study on Planting Density of Mechanized Transplanting in
Winter Water-Logged Paddy Fields XIONG Chang-guo, YING Jing, Yi Wen-yu,
YU Man-jiang, CHENG Fang-ping, XIE Zu-qi (001)
- A Comparative Study of the Quality Characteristics of Flue-Cured Tobacco Planted in
Different Micro-Topographies LI Hong-xun, WANG Long-chang, RAN Chun-yan,
CHEN Guang-yu, PAN Wen-jie, CHEN Wei, LIN Ye-chun (010)
- Effects of High Temperature on the Lipid Peroxidation and Protein Expression in
Cowpea Leaves CUI Meng, WEI Juan-juan, SU Xiao-xing, DENG Zi-xian,
PAN Yu, LI Jin-hua, SU Cheng-gang, ZHANG Xing-guo (021)
- Effects of Different Anions on Negatively Charged Colloidal Aggregation of
Montmorillonite FU Qiang, GUO Xia, TIAN Rui, LI Hang (028)
- Influences of Labor Emigration from Agriculture on Livestock Farming in Mountainous Areas
—A Case Study of Typical Villages in Chongqing Municipality ZHENG Kai-li,
YAN Jian-zhong, HE Wei-feng (035)
- Spatio-Temporal Dynamic Changes of Land Use in Ningxia Yellow River Valley
..... LI Shuai, GU Yan-wen, CHEN Jin-ping,
ZENG Cheng-cheng, WEI Hong, LI Chang-xiao, LI Jian (042)
- A Generalized Matrix Inequality For F-Norm WU Jun-liang, SHI Cong-cong (050)
- Positive Ground State Solutions for Degenerate Kirchhoff-Type Equation
..... LIU Ting-ting, SHANG Yan-ying (054)
- Existence and Multiplicity of Solutions to Kirchhoff Type Equation Involving
General Subcritical Growth DUAN Yu, ZHANG Yun-yan, SUN Xin (061)
- Existence of Positive Solutions for a Class of Singular Kirchhoff Type Problems in
Higher Dimensional Space LIU Rui-qi, WU Xing-ping, TANG Chun-lei (067)
- The Existence of Positive Solutions for Kirchhoff Type Problems with
Critical Exponent ZHU TONG-liang, WU XING-ping (072)
- Existence of Positive Solutions for Kirchhoff Type Problems with
Critical Exponent REN Zheng-juan, SHANG Yan-ying (078)

Reverse Dual Brunn-Minkowski Inequality	YANG Lin, LUO Miao, HOU Lin-bo (085)
Environmental Infrastructure Investment Efficiency and Improvement in Small Towns —An Evidence from 116 Small Towns in Chongqing	HUANG Qing-hua, JIANG Song (090)
Temporal and Spatial Patterns of Meteorological Drought in Chongqing Based on Relative Humidity Index	XU Yu, WU Yan-fei, XU Gang, GAN Fen-fang (096)
The Characteristics of Variation in Precipitation in Chongqing Urban Area from 1951 to 2013 —A Case Study of Shapingba District	ZHANG Xiao-hui, XIE Shi-you, REN Wei (104)
A Research of Evaluation of Summer Leisure Real Estate of Climate Resources Based on the Matter-Element Model	SONG Dan-ni, KUANG Hong-hai (110)
The Regulatory Effects of Local Microclimate in Urban Wetland —A Case Study of West Lake in Hangzhou, China	ZHANG Wei, ZHU Yu-bi, CHEN Feng (116)
Improved Histogram Matching Algorithm Based on Fuzzy Entropy	ZHANG Long-tao, SUN Yu-qiu (124)
The Influence of Physical Order or Disorder on the Divergent Thinking and Prototype Heuristic Effect of an Individual	ZHENG Kai, FAN Ling-xia, TANG Dong, ZHANG Qing-lin (130)
A Longitudinal Study of Interpersonal Self-Support Resisting Depression in Junior Middle School Students	XU Xiao-yan, XIA Ling-xiang (138)
Analysis of Chua's Dual Chaotic Circuit About Charge-Controlled Memristor	WANG Ting-jiang (144)
Research on an Intelligent Control System of Active Equalization for Charging Stations of Electric Vehicles	ZHANG Li, ZHANG Jie (150)
Research of Quick Measurement of the Water Content of Fresh Silkworm Cocoon Shells and Dried Shell Quantity	JING Wei, LI Guang-lin, SONG Jie (158)
A Prediction Model of Water Content of Fresh Tobacco Leaves Based on Support Vector Machine Regression	ZHAN Pan, XIE Shou-yong, LIU Jun, HUANG He, LI Pei-yuan (165)
Sampling and Analysis of the Load Spectrum of the AMT Shifting System	YANG Ping, CHENG Yun-chuan (171)
A Study on the Effect of Different Damage Locations on the Mechanical Properties of Expansive Soils by a CT-Triaxial Test	ZHANG Ya-qian, WANG Shi-ji, HAN Yi, CHENG Ming-shu, JIANG Sheng-hua (176)