

目 次

• 专家特稿 •

自信的静息态功能磁共振成像低频振幅研究 毕重增, 丁书英, 赵 佳 (001)

• 农业科学 •

四川省单季稻高低温致灾因子危险性分析 庞艳梅, 刘 佳, 陈 超 (009)

紫色土对 3 种邻苯二甲酸酯吸附特性的研究 曾 微, 张 楚, 王 强, 王 法 (017)

无机磷对多甲藻生长及叶绿素荧光的影响 杨燕君, 许金铸, 吴忠兴, 施军琼 (026)

基于农户尺度的山区生态压力及其影响因素分析——以重庆市为例
..... 周 洪, 阎建忠, 王秀圆, 李秀彬 (034)

基于马尔科夫链理论对贵州锦屏白背飞虱发生程度的预测 薛文鹏,
杨 芮, 杨 洪, 杨 林 (043)

• 生命科学 •

不同种源马尾松种质耐低磷的主成分与灰色关联度分析 崔博文,
乔 光, 范付华, 丁贵杰, 文晓鹏 (049)

• 数理科学与化学 •

无穷直线上 K -解析函数的 Riemann 边值问题与 Hilbert 边值问题
..... 张建元, 韩 艳, 张毅敏, 赵书芬, 刘承萍, 张 昕 (057)

关于 Pell 方程组 $x^2 - s^2(s^2 - 1)y^2 = 1$ 与 $y^2 - Dz^2 = 4$ 的解 赵建红, 杜先存 (065)

Z -准连续 Domain 的性质及其等价刻画 马 崛, 魏美华 (073)

平凡西罗限制模上的格林对应 黄文林 (077)

关于不定方程 $5x(x+1)(x+2)(x+3) = 6y(y+1)(y+2)(y+3)$
..... 李益孟, 罗 明 (083)

含两个非线性项的 Gronwall-Bellman 型非连续函数积分不等式的推广
..... 李自尊, 柳长青 (089)

可以表示成 3 个或 4 个交换子群并的群 郭红如, 吕 恒 (097)

一类锥约束变分不等式问题的间隙函数和误差界
..... 董 文, 欧小庆, 李金富, 陈加伟 (101)

• 地球与环境科学 •

丘陵区农村居民点时空格局演变及其整治分析——以重庆市北碚区为例

..... 包颖, 王三, 刘秀华 (108)

• 信息科学 •

基于文献计量的国内外农业信息化研究态势分析

..... 丁恩俊, 谢佳, 申丽娟, 王雪梅 (116)

• 心理科学 •

简明大学生心理素质量表(健康版)的修编及信效度检验 ... 王鑫强, 张大均, 张雪琪 (126)

表述效应对平衡量表内部一致性信度的影响 韦嘉, 郭磊, 张进辅 (133)

中学生心理素质与抑郁的关系: 应对方式的中介作用 陈万芬, 潘彦谷,

张大均, 刘广增, 罗世兰 (140)

• 工程技术 •

铅蓄电池厂遗留场地污染分析与风险评价 孙荣基, 陈志莉, 盛利伟 (146)

基于 Anycasting 的铝硅合金离心铸造数值分析 陈玉节, 梁思佳, 翟彦博 (153)

基于 MF-DCCA 的港口与非港口地区 PM_{2.5} 与 NO_x 互相关性分析

..... 张赛鑫, 何红弟, 张季平 (161)

电动汽车的振动能量回收研究 梁新成, 李云伍 (168)

一维损伤对低含水率膨胀土强度和变形的影响 胡东旭, 毛新,

张雅倩, 王晓琪, 汪时机 (174)

管板组合结构等效力学模型 王玲, 董有恒, 王成军, 刘岩 (180)

JOURNAL OF SOUTHWEST UNIVERSITY

(NATURAL SCIENCE EDITION)

Vol. 39 No. 8

Total No. 272

Aug. 20, 2017

CONTENTS

- The Neural Basis of Self-Confidence Revealed by the Amplitude of Low-Frequency Fluctuations
and Resting State Functional Connectivity ... BI Chong-zeng, DING Shu-ying, ZHAO Jia (001)
- Analysis of High and Low Temperature Hazard Risks for Single Cropping
Rice in Sichuan PANG Yan-mei, LIU Jia, CHEN Chao (009)
- Adsorption Characteristics of Three Precedence-Controlled Phthalate Esters on
Purple Soil ZENG Wei, ZHANG Chu, WANG Qiang, WANG Fa (017)
- Effect of Inorganic Phosphorus on the Growth and Chlorophyll Fluorescence of
Peridinium umbonatum YANG Yan-jun, XU Jin-zhu,
WU Xing-hua, SHI Jun-qiong, WU Zhong-xing (026)
- Analysis of Ecological Pressure in a Mountainous Area and Its Influencing Factors Based on
Household Level — Taking Chongqing as an Example ZHOU Hong,
YAN Jian-zhong, WANG Xiu-yuan, LI Xiu-bin (034)
- Forecasting the Occurrence Degree of *Sogatella furcifera* (Horváth) in Jinping of
Guizhou Province by Applying Markov Chain Theory XUE Wen-peng,
YANG Rui, YANG Hong, YANG Lin (043)
- Principal Component Analysis and Grey Correlation Analysis for Low Phosphorus Tolerance
Evaluation in Masson Pine (*Pinus massoniana*) of Different Provenances
..... CUI Bo-wen, QIAO Guang, FAN Fu-hua, DING Gui-jie, WEN Xiao-peng (049)
- Riemann Boundary Value Problem and Hilbert Boundary Value Problem for K -Analytic
Function on an Infinite Straight Line ZHANG Jian-yuan, HAN Yan,
ZHANG Yi-min, ZHAO Shu-fen, LIU Cheng-ping, ZHANG xin (057)
- On the Solutions of System of Pell Equations $x^2 - s^2 (s^2 - 1) y^2 = 1$ and $y^2 - Dz^2 = 4$
..... ZHAO Jian-hong, DU Xian-cun (065)
- Properties and Characterizations of Z -Precontinuous Posets MA Jue, WEI Mei-hua (073)
- On Green Correspondence for the kG -Module with Trivial Sylow Restriction
..... HUANG Wen-lin (077)
- On the Diophantine Equation $5x(x+1)(x+2)(x+3) = 6y(y+1)(y+2)(y+3)$
..... LI Yi-meng, LUO Ming (083)

Generalization of a Class of Integral Inequalities with Gronwall-Bellman Type for

Discontinuous Functions LI Zi-zun, LIU Chang-qing (089)

On Groups Which Are the Unions of Three or Four Abelian Subgroups

..... GUO Hong-ru, LÜ Heng (097)

Gap Functions and Error Bounds for a Class of Variational Inequalities with

Cone Constraints DONG Wen, OU Xiao-qing, LI Jing-fu, CHEN Jia-wei (101)

Spatial-Temporal Evolution Pattern of Rural Settlements in Hilly Regions and Their land

Consolidation ——A Case Study of Beibei District, Chongqing Municipality

..... BAO Ying, WANG San, LIU Xiu-hua (108)

Status and Trends of Researches of Agricultural Informatization Based on

Bibliometric Analysis DING En-jun, XIE Jia, SHEN Li-juan, WANG Xue-mei (116)

Development of the College Student Psychological Suzhi Scale (CSPS):

Psychometric Properties of CSPS Brief Mental Health Version WANG Xin-qiang,

ZHANG Da-jun, ZHANG Xue-qi (126)

The Influence of the Method Effect Associated with Item Wording on the Internal

Consistency Reliability of Balanced Scale WEI Jia, GUO Lei, ZHANG Jin-fu (133)

The Relationship Between Secondary School Students' Psychological Quality and Depression:

the Mediating Effect of Coping Styles CHEN Wan-fen,

PAN Yan-gu, ZHANG Da-jun, LIU Guang-zeng, LUO Shi-lan (140)

Pollution Analysis and Risk Assessment of the Remaining Site of a Relocated Lead

Acid Battery Factory SUN Rong-ji, CHENG Zhi-li, SHENG Li-wei (146)

An Anycasting-Based Numerical Simulation of Centrifugal Casting of Al-Si Alloy

..... CHEN Yu-jie, LIANG Si-jia, ZHAI Yan-bo (153)

Multifractal Detrended Cross-Correlation Analysis of $PM_{2.5}$ and NO_x in a Port Area and

a Non-Port Area ZHANG Sai-xin, HE Hong-di, Zhang Ji-ping (161)

Research of Vibration Energy Recovery Based on Electric Vehicles

..... LIANG Xin-cheng, LI Yun-wu (168)

The Influence of One-Dimensional Damage on the Strength and Deformation of Low Moisture

Content of Expansive Soil HU Dong-xu, MAO Xin,

ZHANG Ya-qian, WANG Xiao-qi, WANG Shi-ji (174)

An Equivalent Mechanical Model for a Tube-Plate Composite Structure WANG Ling,

DONG You-heng, WANG Cheng-jun, LIU Yan (180)