

西南大学学报

(自然科学版)

第 33 卷 第 6 期

总第 198 期

2011 年 6 月 20 日出版

目 次

• 农业科学 •

- 外来入侵植物黄顶菊上昆虫种类多样性研究 杜喜翠, 谭万忠, 孙现超 (001)
利用 F_2 及其衍生群体定位陆地棉产量和纤维品质性状 QTLs 倪会娟, 王 威, 张 建, 刘大军, 滕中华, 张正圣 (007)
两种耕作方式下施肥对水稻产量及稻田氮、磷质量分数的影响 黄仁军, 潘明安, 袁天泽, 袁项成, 许明陆 (015)
柔嫩艾美耳球虫 A08 基因的阶段表达分析与毕赤酵母表达系统构建 平宪卿,
韩红玉, 黄 兵, 姜连连, 董 辉, 赵其平, 李 洋, 郭 涛, 朱顺海 (019)
西番莲基因组 DNA 的提取及 ISSR-PCR 的优化 吴 田, 谢 江, 蓝增全 (025)
不同品种茶园害虫及天敌群落多样性研究 彭 萍, 王晓庆, 李品武, 雷 蕾, 王之劲, 林 强, 黄尚俊 (030)
低温诱导对白魔芋产生多叶的研究 石新龙, 王启军, 牛 义, 刘海利, 张盛林 (035)
12 个薄壳山核桃无性系果(核)性状以及产量的比较 李 川, 姚小华, 王开良, 方敏瑜, 婴夕容, 邵慰忠 (040)

• 生命科学 •

- 陕西黄龙山自然保护区褐马鸡冬季集群特征的研究 李宏群, 廉振民 (045)
不同锌质量分数和密度对苦养生理特性和产量的影响 张 茜, 王安虎, 杨继勇 (049)
球孢白僵菌对西花蓟马成虫和若虫的毒力研究 袁盛勇, 孔 琼, 张宏瑞, 王 平, 孙士卿, 李正跃, 肖 春 (054)
干扰对红鳞蒲桃群落植物多样性及重要值的影响 谢伟东, 招礼军, 邓荣艳, 莫小香, 蓝 燕, 署 莉 (058)
紫萼开花物候及对雌性繁殖成功的影响 刘虹君, 李 燕, 操国兴 (064)
空气暴露对南方鲇血液学指标的影响 林艳华, 罗毅平 (069)
不同钙效应剂对长春花光合特性的影响 孙金春, 张扬欢, 温 泉, 张 楠, 唐 娟, 吴能表 (074)
猪 IFIT1 基因的克隆、生物信息学和组织表达分析 董然然, 李 顺, 蒋曹德 (079)
高效溶栓菌株的筛选鉴定及活性测定 霍金柱, 陈 斌, 李 莹, 何正波, 敬俊锋 (085)

骨碎补与续断配伍提取物对大鼠骨折修复研究

..... 孙胜亮, 叶小利, 张化金, 常 雯, 贺 凯 (094)

• 数理科学与化学 •

- Hermite 正定矩阵迹的 2 个不等式的推广 冯天祥, 贺定修, 刘红霞 (099)
有限群的 $X - ss$ -半置换子群 祝 明, 李金宝, 陈贵云 (102)
半群 CPO_n 的秩 赵 平, 游泰杰, 徐 波 (106)
WLR-正规纯正群并半群 郑上华, 鲜朝霞, 翁 利 (111)
 $mK_{2,3}$ 的点可区别全染色 马彦荣, 王治文, 陈祥恩, 姚 兵 (115)
1 类最大度为 6 的平面图的全着色 吴燕青, 谢德政 (121)
广义 Sierpinski 垫上正交指数函数的个数 仲 明, 姚海洪 (125)
具有加权 Hardy-Sobolev 临界指数的半线性椭圆方程的无穷多个任意小解
..... 杜其武, 唐春雷 (131)
 p -拉普拉斯方程共振问题解的存在性(英文稿) 邓 君, 吴行平, 唐春雷 (136)
1 类超线性 p -拉普拉斯方程多解的存在性(英文稿) 高婷梅, 唐春雷 (141)
关于强遗传 meso 紧空间的等价刻画与 Tychonoff 乘积 李卫平, 朱培勇 (146)

• 地球与环境科学 •

基于栅格数据的基本农田布局研究——以涪陵龙潭镇为例

..... 汪永丰, 田永中, 徐旭晨, 马 玲, 杨 海, 谭滨松 (151)

• 心理科学 •

免费师范生职业价值观的实证研究

..... 赵永萍, 张进辅, 李 敏 (156)

• 工程技术 •

基于融合证据理论的动物疾病诊断模型的研究与实践

..... 胡继宽, 黄 煜, 周荣琼 (161)

紫芽茶制备红茶饮料浓缩液及其呈色稳定性研究

..... 赵先明, 汪艳霞, 王孝仕, 杜 晓 (165)

JOURNAL OF SOUTHWEST UNIVERSITY

(NATURAL SCIENCE EDITION)

Vol. 33 No. 6

Total No. 198

Jun. 20, 2011

CONTENTS

- Biodiversity of Insects on the Alien Invasive Plant *Flaveria bidentis* DU Xi-cui, TAN Wan-zhong, SUN Xian-chao (001)
- QTL Mapping of Yield and Fiber Quality Traits in Upland Cotton (*Gossypium hirsutum* L.) Using F_2 and Its Derived Populations NI Hui-juan, WANG Wei, ZHANG Jian, LIU Da-jun, TENG Zhong-hua, ZHANG Zheng-sheng (007)
- The Influences of Fertilization on Rice Yield and Nitrogen and Phosphorus Contents in Paddy Field under Different Tillage Methods HUANG Ren-jun, PAN Ming-an, YUAN Tian-ze, YUAN Xiang-cheng, XU Ming-lu (015)
- Analysis of the Expression of A08 Gene in *Eimeria tenella* at Different Developmental Stages and Construction of Its Expression System in *Pichia pastoris* PING Xian-qing, HAN Hong-yu, HUANG Bing, JIANG Lian-lian, DONG Hui, ZHAO Qi-ping, LI Yang, GUO Tao, ZHU Shun-hai (019)
- Improvement of Genomic DNA Extraction and Optimization of ISSR-PCR Amplification for Passion Fruit WU Tian, XIE Jiang, LAN Zeng-quan (025)
- Diversity of Pest Insect and Natural Enemy Communities in Tea Gardens of Different Varieties PENG Ping, WANG Xiao-qing, LI Pin-wu, LEI Lei, WANG Zhi-jin, LIN Qiang, HUANG Shang-jun (030)
- Study on the Multi-leavedness of *Amorphophallus albus* Induced by Low Temperature SHI Xin-long, WANG Qi-jun, NIU Yi, LIU Hai-li, ZHANG Sheng-lin (035)
- A Comparative Study on the Fruit and Nut Characters of 12 Pecan (*Carya illinoemis*) Clones and Their Yield LI Chuan, YAO Xiao-hua, WANG Kai-liang, FANG Min-yu, GU Xi-rong, SHAO Wei-zhong (040)
- A Study on Winter Flocking of Brown-Eared Pheasant (*Crossoptilon mantchuricum*) in Huanglong Mountains Nature Reserve, China LI Hong-qun, LIAN Zhen-min (045)
- The Effect of Zinc Concentration and Planting Density on the Physiological Characteristics and Yield of Tartary Buckwheat ZHANG Qian, WANG An-hu, YANG Ji-yong (049)
- Study on the Virulence of *Beauveria bassiana* Against Adult and Nymph of *Frankliniellao occidentalis* (Pergande) YUAN Sheng-yong, KONG Qiong, ZHANG Hong-rui, WANG Ping, SUN SHI-qing, LI Zheng-yue, XIAO Chun (054)
- Influence of Human Disturbance on Plant Diversity and Importance Value of *Syzygium hancei* Communities XIE Wei-dong, ZHAO Li-jun, DENG Rong-yan, MO Xiao-xiang, LAN Yan, QIN Li (058)
- Flowering Phenology in *Hosta ventricosa* (Liliaceae) and Its Influence on Successful Female Reproduction LIU Hong-jun, LI Yan, CAO Guo-xing (064)

- Influence of Aerial Exposure on Hematological Parameters of the Southern Catfish
(Silurus meridionalis) LIN Yan-hua, LUO Yi-ping (069)
- Effects of Different Calcium Reagents on Photosynthesis Characteristics of
Catharanthus roseus SUN Jin-chun, ZHANG Yang-huan, WEN Quan,
ZHANG Nan, TANG Juan, WU Neng-biao (074)
- Cloning of *IFIT1* Gene and Its Bioinformatics and Tissue Expression Analysis in Swine
..... DONG Ran-ran, LI Shun, JIANG Cao-de (079)
- Screening and Determination of a Fibrinolytic Enzyme-Producing Strain of *Bacillus subtilis* and
Its Activity Assay HUO Jin-zhu, CHEN Bin,
LI Ying, HE Zheng-bo, GOU Jun-feng (085)
- Studies on Compatibility of *Drynaria* and *Dipsacus* Extracts for Fracture Healing in Rats
..... SUN Sheng-liang, YE Xiao-li, ZHANG Hua-jin, CHANG Wen, HE Kai (094)
- The Extension of Two Inequalities for the Trace of Hermite Positive Definite Matrix
..... FENG Tian-xiang, HE Ding-xiu, LIU Hong-xia (099)
- X_{ss}*-Semipermutable Subgroups of Finite Groups ZHU Ming, LI Jin-bao, CHEN Gui-yun (102)
- On the Rank of the Semigroup *CPO*_n ZHAO Ping, YOU Tai-jie, XU Bo (106)
- WLR-Normal Orthogroups ZHENG Shang-hua, XIAN Zhao-xia, WENG Li (111)
- Vertex-Distinguishing Total Colorings of *mK_{2,3}*
..... MA Yan-rong, WANG Zhi-wen, CHEN Xiang-en, YAO Bing (115)
- The Total Coloring for a Class of Planar Graphs with Maximum Degree 6
..... WU Yan-qing, XIE De-zheng (121)
- The Cardinality of Orthogonal Exponential Functions on the Generalized Sierpinski Gasket
..... ZHONG Ming, YAO Hai-hong (125)
- Infinitely Many Arbitrarily Small Solutions for Semilinear Elliptic Equations with Critical
Weighted Hardy-Sobolev Exponents DU Qi-wu, TANG Chun-lei (131)
- Existence of Solutions for the *p*-Laplacian Equation at Resonance
..... DENG Jun, WU Xing-ping, TANG Chun-lei (136)
- The Multiplicity of Solutions for a Class of Superlinear *p*-Laplacian Equations
..... GAO Ting-mei, TANG Chun-lei (141)
- On Equivalent Characterizations and Tychonoff Product of Strongly Hereditarily
Mesocompact Spaces LI Wei-ping, ZHU Pei-yong (146)
- Distribution of Basic Farmland Based on the Grid Data
——A Case Study of Longtan Town, Fuling WANG Yong-feng, TIAN Yong-zhong,
XU Xu-chen, MA Ling, YANG Hai, TAN Bin-song (151)
- An Empirical Research of the Occupational Values of Tuition-Free Normal College Students
..... ZHAO Yong-ping, ZHANG Jin-fu, LI Min (156)
- Research and Practice of a Diagnosis Model for Animal Disease Based on Fusion Evidence Theory
..... HU Ji-kuan, HUANG Yu, ZHOU Rong-qun (161)
- Preparation of Black Tea Condensed Solution from Purple Tea Leaves and Research of the
Stability of Its Color Rendering ZHAO Xian-ming,
WANG Yan-xia, WANG Xiao-shi, DU Xiao (165)