

目 次

· 农业与生命科学 ·

- 半夏再生体系的建立 吴能表, 曹瑞霞, 吴思婧, 杨 怡 (001)
- 以诺丽茎段为外植体的无籽基因转化研究 贾丹丹, 蓝增全, 吴 田 (007)
- 外源性 5-氨基乙酰丙酸对盐胁迫下颠茄生理特性及次生代谢产物含量的影响
..... 卢克欢, 郭 双, 韦 悦, 张翠平, 吴能表 (013)
- 有机物料改良紫色土对越橘生长发育的影响 张 晴, 张思悦, 李 凌 (021)
- 均匀设计法优选抗雏鸡白痢翁菟颗粒..... 魏 薇, 石 磊,
刘 娟, 黄文鹏, 莫孔源, 陈 晓 (029)
- 蛋鸡资源群体的盲肠长度全基因组关联分析..... 王星果, 曲 亮,
卢 建, 窦套存, 马 猛, 胡玉萍, 沈曼曼, 郭 军, 李尚民, 王克华 (035)
- 猪圆环病毒 II 型吉林株对小鼠的致病力研究 苗丽娟, 李静姬, 李一经 (042)
- 5 种番茄品种对烟粉虱寄主选择、生长发育及存活率的影响 袁水霞,
孙 斌, 张慎璞, 翟 卿, 刘 召 (048)
- 不同生境条件下凤丹生长及光合特性比较..... 戴前莉,
黄小辉, 黄 馨, 唐龙波, 朱恒星 (053)

· 数理科学与化学 ·

- 无界域上非自治 Reaction-Diffusion 方程的后向紧动力学
..... 余连兵, 李信韬, 李扬荣 (059)
- 求解无约束问题的修正 PRP 共轭梯度算法 李春念, 袁功林 (067)
- 耦合 Schrödinger-KdV 方程的高阶保能量方法 陈宵玮, 孙建强, 王一帆 (076)
- 非定常不可压 Navier-Stokes 方程基于欧拉格式的两水平变分多尺度方法
..... 薛菊峰, 尚月强 (084)

求解对流扩散方程的一种高精度紧致差分格式 … 罗传胜, 李春光, 董建强, 景何仿 (091)

· 经济研究 ·

山地丘陵区社会经济数据空间化模型构建及应用 …… 翁才银, 信桂新, 杨庆媛 (096)

基于消费者结构需求研究商品住宅去库存的影响因素 …… 李婷婷, 谷达华, 阎建忠 (104)

· 地球与环境科学 ·

西藏“一江两河”流域土地利用时空分布与地形因子关系研究 …… 何万华, 周文佐,
田 罗, 赵 晓, 刘东红, 章金城 (113)

重庆市不同尺度土地城镇化格局特征及其成因 …… 刘 燕,
杨庆媛, 何 建, 何 星, 杨丽娜 (124)

1961—2015 年四川省汛期极端降水指数时空变化研究 …… 罗 玉, 陈 超,
马振峰, 刘 佳, 李小兰, 杨 蓉 (133)

西藏朋曲河流域淡水生态系统服务价值评估 …… 宋福强, 李卓卿,
肖 俞, 刘蓉昆, 周盈涛, 孔德平 (142)

· 工程与信息技术 ·

基于 ICA 阈值优化耦合信息熵的边缘提取算法 …… 郭 健, 李 智 (150)

基于 LabVIEW 的光纤光学实验室综合测控系统设计 …… 谭志存, 唐 曦 (156)

成都新都区新繁东湖水系成演变研究 …… 刘 磊, 罗 皓, 凌源媛 (162)

通过幼儿步行巴士提高社区儿童友好度的研究 …… 李圆圆, 吴珺珺 (171)

JOURNAL OF SOUTHWEST UNIVERSITY

(NATURAL SCIENCE EDITION)

Vol. 40 No. 9

Total No. 285

Sep. 20, 2018

CONTENTS

- A Regeneration System of *Pinellia ternate* WU Neng-biao,
CAO Rui-xia, WU Si-jing, YANG Yi (001)
- Studies on Genetic Transformation of Seedlessness Gene to Noni (*Morinda citrifolia*) with Its
Stem Segments as the Explants JIA Dan-dan, LAN Zeng-quan, WU Tian (007)
- Effects of Exogenous 5-Aminolevulinic Acid on Physiological Characteristics and Secondary
Metabolite Contents of *Atropa belladonna* L. Seedlings Under NaCl Stress
..... LU Ke-huan, GUO Shuang, WEI Yue, ZHANG Cui-ping, WU Neng-biao (013)
- Effects of Organic Material-Improved Purple Soil on the Growth and
Development of Blueberry ZHANG Qing, ZHANG Si-yue, LI Ling (021)
- Prescription Optimization of the Anti-Pullorosis Traditional Chinese Veterinary Medicine
“Weng Xian Granule” with the Uniform Design Method WEI Wei,
SHI Lei, LIU Juan, HUANG Wen-peng, MO Kong-yuan, CHEN Xiao (029)
- Genome-Wide Association Study (GWAS) for Cecum Length in Laying Hens
... WANG Xing-guo, QU Liang, LU Jian, DOU Tao-cun, MA Meng, HU Yu-ping,
SHEN Man-man, GUO Jun, LI Shang-min, WANG Ke-hua (035)
- The Pathogenicity Study of Porcine Circovirus Type 2 Jilin Strain to Mice
..... MIAO Li-juan, LI Jing-ji, LI Yi-jing (042)
- Host Selection, Growth and Survival Rate of *Bemisia tabaci* on Five Tomato Varieties
..... YUAN Shui-xia, SUN Bin, ZHANG Shen-pu, ZHAI Qing, LIU Zhao (048)
- Comparison of Growth and Photosynthesis-Related Characteristics of *Paeonia ostii* in
Different Habitat Conditions DAI Qian-li, HUAN Xiao-hui,
HUANG Xin, TANG Long-bo, ZHU Heng-xing (053)
- The Backward Compact Dynamics for Non-Autonomous Reaction-Diffusion Equations on
Unbounded Domains SHE Lian-bing, LI Xin-tao, LI Yang-rong (059)
- A Modified Polak-Ribière-Polyak Conjugate Gradient Algorithm for Smooth
Convex Programs LI Chun-nian, YUAN Gong-lin (067)

A High-Order Energy Preserving Method for the Coupled Schrödinger-KdV Equation	CHEN Xiao-wei, SUN Jian-qiang, WANG Yi-fan (076)
A Finite Element Variational Multiscale Method Based on the Backward Euler Scheme for the Time-Dependent Navier-Stokes Equations	XUE Ju-feng, SHANG Yue-qiang (084)
A High-Order Compact Difference Scheme for Solving Convection-Diffusion Equations	LUO Chuan-sheng, LI Chun-guang, DONG Jian-qiang, JING He-fang (091)
Building of a Spatialization Model of Socioeconomic Data in Mountainous and Hilly Regions and Its Application	WENG Cai-yin, XIN Gui-xin, YANG Qing-yuan (096)
Analysis of the Relationship Between the Demand of Different Consumer Groups and Residential Real Estate Inventory Reduction ...	LI Ting-ting, GU Da-hua, YAN Jian-zhong (104)
Relationship Between Spatio-Temporal Distribution of Land Use and Topographic Factors in the Valleys of the Yarlung Zangbo River and Its Two Tributaries—the Nyangqu River and the Lhasa River in Tibet	HE Wan-hua, ZHOU Wen-zuo, TIAN Luo, ZHAO Xiao, LIU Dong-hong, ZHANG Jin-cheng (113)
Spatial Characteristics and Scale Effects of Land Urbanization in Chongqing	LIU Yan, YANG Qing-yuan, HE Jian, HE Xing, YANG Li-na (124)
Spatial-Temporal Variation of Extreme Precipitation Indices During the Main Flood Season in 1961—2015 in Sichuan	LUO Yu, CHEN Chao, MA Zhen-feng, LIU Jia, LI Xiao-lan, YANG-Rong (133)
A Value Assessment of Freshwater Ecosystem Services in the Pumqu River Basin, Tibet	SONG Fu-qiang, LI Zhuo-qing, XIAO Yu, LIU Rong-kun, ZHOU Ying-tao, KONG De-ping (142)
An Edge Extraction Algorithm Based on ICA Threshold Optimization and Information Entropy GUO Jian, LI Zhi (150)
Design of a LabVIEW-Based Optical Lab Integrated Measurement and Control System	TAN Zhi-cun, TANG Xi (156)
Study of the Evolution of Donghu Park Water System in Xinfan of Sichuan	LIU Lei, LUO Hao, LING Yuan-yuan (162)
A Research of Improving Child Friendliness of the Community Through Walking School Bus	LI Yuan-yuan, WU Jun-jun (171)