

目 次

• 农业科学 •

- 下层土壤厚度及容重对甘薯根系和块根质量的影响 丁 祎, 张 昊, 王季春,
唐道彬, 吕长文, 肖 怡, 尚浩浩 (001)
- 重庆部分地区牛弓形虫血清流行病学调查及危险性因素分析 王芝英, 李 楷,
孙莹莹, 李和贤, 杨浩钺, 董春霞, 凌洪权, 姚 璐, 胡世君, 周作勇 (008)
- 中华田园犬 DEA1.1 血型鉴定及血型调查 王庆华,
胥清芳, 李前勇, 张德志, 刘宗平 (013)
- 重庆市荣昌区犬消化道内寄生虫病流行病学研究 旷策嫣, 江艾耘,
李相兰, 杨晓迪, 聂甄妮, 罗 珊, 周荣琼 (018)
- 鸡源致病性大肠杆菌的分离鉴定及耐药性分析 周瑶琴, 游 凤,
高 彤, 付雅慧, 王豪举, 丁红雷 (023)
- 三峡库区紫色土柑桔园氮流失控制研究 余 涵, 王成秋, 谢德体 (030)
- 生物有机肥对黄壤烟田真菌群落结构和烟叶产质量的影响 王彦锐, 韦建玉,
金亚波, 缪闯和, 徐 宸, 周鑫斌, 谢德体 (038)
- 日光温室中不同樱桃品种果实外在品质的比较 冀馨宁, 杨静慧,
龚无缺, 刘艳军, 李佳益, 张殷殷 (046)
- 4 个树莓品种茎解剖结构与抗旱性的关系 张殷殷, 刘 婷,
杨静慧, 刘艳军, 武春霞, 李 冰 (053)

• 生命科学 •

- 羽状鸡冠花无菌幼苗的超低温保存研究 李秉玲, 贾梦雪, 李珂珂, 刘 燕 (059)
- 球孢白僵菌基因组密码子使用模式及其影响因素分析 张瑞芝,
陈章宝, 陈德敏, 渠 铮, 向 恒 (066)
- 诱导子对颠茄毛状根生长及托品烷类生物碱质量分数的影响 刘 佳, 卢克欢,
郭 双, 张翠平, 韦 悦, 吴能表 (075)

• 数理科学与化学 •

- 求解大规模非光滑优化问题的一种修正 Hestenes-Stiefel 共轭梯度算法
..... 黎 勇, 袁功林 (081)
- 具有变号位势的 Klein-Gordon-Maxwell 系统孤立波的存在性
..... 廖 坤, 段春生, 李 麟, 陈尚杰 (089)
- 一类两种群都染病的捕食—食饵模型分析 范城玮, 刘贤宁 (094)
- 考虑疫苗时效及潜伏期的乙肝传染病模型分析 乔 杰, 刘贤宁 (101)
- 一类考虑外界干扰的生物进化模型的动力学研究
..... 余 霖, 张国洪, 王小利, 张 焱 (107)
- 基于数据挖掘技术的乳腺癌亚型识别方法 杨绍华, 陈冬东, 张 旭, 何 林 (113)
- OH 自由基分子的外电场特性研究 刘高福, 陈德良, 吴永刚 (117)
- 油酸调制的 $\gamma\text{-Fe}_2\text{O}_3$ 磁性纳米颗粒的表征研究 孟祥申, 邱晓燕, 李 建 (124)
- 基于新近重力场模型 MRO120D 的火星探测器轨道仿真与分析 钟 振, 刘子恒 (133)

• 地球与环境科学 •

- 耕层土壤剥离再利用覆土时空优化研究..... 张国栋,
魏朝富, 陈心佩, 信桂新, 刘卫平 (140)
- 基于 PSR 模型典型山区耕地集约利用及其驱动力研究
——以四川凉山彝族自治州为例 ... 廖仕梅, 刘卫平, 魏朝富, 谢德体, 倪九派 (150)
- 一次引发重庆大暴雨的西南低涡动力诊断分析 ... 刘晓冉, 李国平, 李永华, 阮定伦 (160)

• 信息科学 •

- 一个四翼超混沌系统在图像加密技术中的应用 ... 杨志宏, 屈双惠, 张彩霞, 马志春 (170)
- 基于自适应控制的忆阻神经网络同步研究 谢 涛 (178)

Vol. 40 No. 5 Total No. 281 May. 20, 2018

Effects of Soil Thickness and Bulk Density on Root Growth and Root Earthnut
Quality of Sweet Potato DING Yi, ZHANG Hao, WANG Ji-chun,
TANG Dao-bin, LV Chang-wen, XIAO Yi, SHANG Hao-hao (001)

Sero-Epidemiological Investigation and Risk Factor Analysis of *Toxoplasma gondii* from Cattle in
Chongqing WANG Zhi-ying, LI Kai, SUN Ying-ying, LI He-xian, YANG Hao-yue,
DONG Chun-xia, LING Hong-quan, YAO Lu, HU Shi-jun, ZHOU Zuo-yong (008)

DEA1.1 Blood Type Identification and Survey of Chinese Garden Dog WANG Qing-hua,
XU Qing-fang, LI Qian-yong, ZHANG De-zhi, LIU Zong-ping (013)

Survey of Epidemiology of Alimentary Canal Parasitosis of Dogs in Rongchang District of
Chongqing KUANG Ce-yan, JIANG Ai-yun, LI Xiang-lan,
YANG Xiao-di, NIE Zhen-ni, LUO Shan, ZHOU Rong-qiong (018)

Isolation, Identification and Antimicrobial Resistance Analysis of Chicken-Associated
Pathogenic *Escherichia coli* ZHOU Yao-qin, YOU Feng,
GAO Tong, FU Ya-hui, WANG Hao-ju, DING Hong-lei (023)

A Trial for Nitrogen Loss Control in Purple Soil of Citrus Orchards in the Three Gorges
Reservoir Area YU Han, WANG Cheng-qiu, XIE De-ti (030)

Effects of Biological Organic Fertilizers on the Structure of Fungal Communities in Yellow-Soil
Tobacco Fields and on Tobacco Yield and Quality WANG Yan-kun, WEI Jian-yu,
JIN Ya-bo, MIAO Chuang-he, XU Chen, ZHOU Xin-bin, XIE De-ti (038)

Comparison of the External Quality of Different Cherry Varieties in a Sunlight
Greenhouse JI Xin-ning, YANG Jing-hui,
GONG Wu-que, LIU Yan-jun, LI Jia-yi, ZHANG Ban-ban (046)

The Relationship Between Stem Anatomical Structure and Drought Resistance in
4 Varieties of Raspberry ZHANG Ban-ban, LIU Ting,
YANG Jing-hui, LIU Yan-jun, WU Chun-xia, LI Bing (053)

Cryopreservation of *Celosia plumosa* ‘Fresh Look’ Aseptic Seedlings by Vitrification
..... LI Bing-ling, JIA Meng-xue, LI Ke-ke, LIU Yan (059)

Codon Usage Bias (CUB) Pattern and Its Influencing Factors for the Whole Genome of
Beauveria bassiana ZHANG Rui-zhi, CHEN Zhang-bao,
CHEN De-min, QU Zheng, XIANG Heng (066)

Influences of Elicitors on the Growth and Tropane Alkaloid Contents in the Hairy Roots of <i>Atropa belladonna</i> L.	LIU Jia, LU Ke-huan, GUO Shuang, ZHANG Cui-ping, WEI Yue, WU Neng-biao (075)
A Modified Hestenes-Stiefel Conjugate Gradient Algorithm for Large-Scale Nonsmooth Optimization Problems	LI Yong, YUAN Gong-lin (081)
The Existence of the Solitary Waves for the Superlinear Klein-Gordon-Maxwell System with the Sign-Changing Potential	LIAO Kun, DUAN Chun-sheng, LI Lin, CHEN Shang-jie (089)
A Predator-Prey Mathematical Model with Both the Populations Affected by Diseases	FAN Cheng-wei, LIU Xian-ning (094)
Analysis of an HBV Transmission Model with Vaccinal Effectiveness and Latency	QIAO Jie, LIU Xian-ning (101)
Adaptive Dynamics Analysis for a Biological Evolutionary Model with External Disturbance	YU Lin, ZHANG Guo-hong, WANG Xiao-li, ZHANG Yan (107)
An Identification Method for Breast Cancer Subtypes Based on Data Mining Technology	YANG Shao-hua, CHEN Dong-dong, ZHANG Xu, HE lin (113)
Properties of Ground State for OH Radicals in Different External Electric Fields	LIU Gao-fu, CHEN De-liang, WU Yong-gang (117)
A Study of the Characterization of γ -Fe ₂ O ₃ Magnetic Nanoparticles Modified by Oleic Acid	MENG Xiang-shen, QIU Xiao-yan, LI Jian (124)
Simulation and Analysis of Martian Explorer Orbits Based on the New Gravity Field Model MRO120D	ZHONG Zhen, LIU Zi-heng (133)
Study on Spatio-Temporal Optimization of Plow Layer Soil-Stripping and Reusing of Cultivated Land	ZHANG Guo-dong, WEI Chao-fu, CHEN Xin-pei, XIN Gui-xin, LIU Wei-ping (140)
A PSR Model-Based Evaluation for Intensive Cultivated Land Use and Its Driving Force in a Typical Mountainous Area ——A Case Study of Liangshan Yi Autonomous Prefecture in Sichuan Province ...	LIAO Shi-mei, LIU Wei-ping, WEI Chao-fu, XIE De-ti, NI Jiu-pai (150)
Dynamic Diagnosis of a Southwest Vortex Inducing a Heavy Rainfall Over Chongqing Area	LIU Xiao-ran, LI Guo-ping, LI Yong-hua, RUAN Ding-lun (160)
A Four-Winged Hyper-chaotic System and Its Application in Image Encryption	YANG Zhi-hong, QU Shuang-hui, ZHANG Cai-xia, MA Zhi-chun (170)
Synchronization of Memristive Neural Networks with Delays Based on Adaptive Control	XIE Tao (178)