

西南师范大学学报 (自然科学版)

第 43 卷 第 5 期

总第 254 期

2018 年 5 月 20 日出版

目 次

• 基础研究 •

- 具有隐性感染的登革热模型稳定性分析 李 艳, 王稳地, 周爱蓉, 何 楠 (001)
具有下渗反馈效应的水-植物模型的动力学分析 周爱蓉, 王稳地, 李 艳, 何 楠 (006)
三维 Helmholtz 方程的边界点方法 祁慧芳 (011)
非线性 Sturm-Liouville 边值问题的变号解 纪宏伟 (017)
非线性方程组的一个不使用罚函数和 filter 的算法 房月华 (023)
SiC/BiVO₄ 复合材料光催化降解亚甲基蓝 杨静静, 韦莹莹, 何勇平,
江志勇, 韩玉花, 张 静, 杨 兵 (031)

• 应用研究 •

- 基于估计类中心和广义距离的认知诊断 余 燕, 张自力 (037)
“互联网+”时代中小企业物流管理模式创新发展策略研究
——以重庆市中小企业为例 胡万达, 周孝华 (042)
重庆乡村地区民宿资源开发经营效率研究 杨 娟, 骆云中, 谢德体, 张 羽 (049)
蓬莱气候舒适度与旅客网络关注度相关研究 刘 璐, 王一然,
于 言, 衣淑玉, 潘仕梅, 王学芬 (057)
换手率与中美股票市场流动性研究 郭文心, 吴文锋 (064)
“双一流”背景下高校财务管理框架创新
——环境嬗变观下的探讨 冉 艳 (069)
非物质文化遗产视野下巴渝武术文化保护及传承研究 黄潇潇, 蒋 科 (075)
基于大数据分析的人工智能文献研究 景 佳 (080)
重庆巫山旅游资源评估 刘幸运, 张天宇, 武哲宇, 王 勇, 雷 婷 (086)
肺泡上皮细胞在高氧急性肺损伤中的作用研究 刘芳君, 龚财惠, 刘 莎 (095)
一种分布式文件系统的推送式数据预取机制 夏 苑, 何映思 (101)
基于黄金分割-Lucas 动态置乱与异扩散的图像加密算法 王 瑶, 徐 洋 (106)

一种基于 QC 距离的形状匹配方法	张 勇 (116)
基于非饱和试件的混凝土水分传输评定	童慧芝 (121)
城市新区空间优化布局的挑战与对策 ——以重庆市南川区为例	蒋娅娜 (127)
北京市平原区土壤类金属砷质量分数分布特征研究	王朋朋, 孔晨晨, 聂超甲, 杨雪玲, 张世文, 黄元仿 (131)
黔江区饮用水源地水质状况及磷形态分布特征研究	李莹莹, 张永江, 邓 茂, 宋卫华, 刘 蓉 (140)
收集烟头制备锂离子电池负极材料	李尚远, 曹家军, 罗 键, 柴雅琴 (147)

• 教学研究与改革 •

科学态度量表(SAI II)中文修订版的信效度分析	丁晨晨, 李太华, 卢晓凤, 毛予廷 (152)
科研前沿研究热点纳入基础化学自主设计型实验的探索与实践	张建蓉, 廖家耀, 张 娜, 李红陵, 宋 丽, 刘德芳 (158)
无机及分析化学实验改革与绿色化实验教材建设	钟国清 (162)
案例结合问题教学在药物分析课程中的应用	刘 慧, 黄承志 (167)
手持技术在高中化学探究实验中的应用 ——基于 Fe ²⁺ -邻二氮菲显色法测定市售饮料中的 Vc	张小丹, 马 婧, 朱朝娟, 孔 玲 (171)
千叶大学风景园林学科研究室制度述评与思考	杜文武 (176)
高等院校“教师-研究生-本科生”联动创新实践平台的构建 ——以西南大学生命科学学院为例	魏 静, 邓洪平, 罗克明, 陶文静, 周林燕, 孙丽娜, 魏 玲, 李明辉, 王德寿 (180)
利用生态科学教育提升高校民族学生自信心和归属感	阿依巧丽, 刘圆圆, 杨振冰, 曾 波 (185)
综合设计性实验在《中兽医内科学》实验教学中的探索与实践	曹立亭, 马 跃, 彭代国, 董世起 (191)
英文教学在药学专业无机化学课程的实践与思考	赵征寰, 付 琛 (196)
农学专业《作物生产实践》课程教学体系改革的探索与实践	赵 勇, 王季春, 张建奎, 唐章林 (200)
艺术类院校环境设计专业植物类课程的优化与创新研究	王璐艳, 吕小辉 (206)
林业院校提升物理化学教学质量的实践	李向红 (212)

**JOURNAL OF SOUTHWEST CHINA
NORMAL UNIVERSITY
(NATURAL SCIENCE EDITION)**

Vol. 43 No. 5

Total No. 254

May. 20, 2018

CONTENTS

Stability Analysis of Dengue Model with Covert Infection	LI Yan, WANG Wen-di, ZHOU Ai-rong, HE Nan (001)
Dynamics Analysis of Water-Plant Model with Infiltration Feedback	ZHOU Ai-rong, WANG Wen-di, LI Yan, HE Nan (006)
On Boundary Node Method for 3-D Helmholtz Equation	QI Hui-fang (011)
Sign-changing Solutions to the nonlinear Sturm-Liouville boundary value problem	JI Hong-wei (017)
An Algorithm without A Penalty Function or A Filter for Nonlinear Equations	FANG Yue-hua (023)
On Photocatalytic Degradation of Methylene Blue by SiC/BiVO ₄ Composite	YANG Jing-jing, WEI Ying-ying, HE Yong-ping, JIANG Zhi-yong, HAN Yu-hua, ZHANG Jing, YANG Bing (031)
Cognitive Diagnosis Based on Estimated Class Centers and Generalized Distance	YU-Yan, ZHANG Zi-li (037)
On Innovative Development Strategy of Small and Medium-Sized Enterprises in the Age of “Internet+” Illustrated by Example of Small and Medium-Sized Enterprises in Chongqing	HU Wan-da, ZHOU Xiao-hua (042)
Research on Operational Efficiency of Development of B&B Resource in Rural Areas of Chongqing	YANG Juan, LUO Yun-zhong, XIE De-ti, ZHANG Yu (049)
A Correlation Analysis between Climate Comfort Degree and Tourist Network Attention in Penglai, Shandong Province	LIU Lu, WANG Yi-ran, YU Yan, YI Shu-yu, PAN Shi-mei, WANG Xue-fen (057)
On Turnover and Liquidity Analysis of China and US Stock Market	GUO Wen-xin, WU Wen-feng (064)
The Innovation of University Financial Management Under The Background of “double first-class” ——Investigation on The View of Environmental Transmutation	RAN Yan (069)
On Preservation and Succession of Bayu Wushu in Perspective of Non-material Cultural Heritage	HUANG Xiao-xiao, JIANG Ke (075)
On Artificial Intelligence Literature via Big Data Analysis	JING JIA (080)
On Evaluation of Climatic Resources for Tourism in Wushan	LIU Xing-yun, ZHANG Tian-yu, WU Zhe-yu, WANG Yong, LEI Ting (086)
On Role of Alveolar Epithelial Cells in Hyperoxic Acute Lung Injury	LIU Fang-jun, GONG Cai-hui, LIU Sha (095)
Push Data Prefetching Scheme in a Distributed File System	XIA Yuan, HE Ying-si (101)
On Image Encryption Algorithm Based on Gold Segmentation-Lucas Dynamic Scrambling and Different Diffusion	WANG Yao, XU Yang (106)
A QC-Distance Based Shape Matching Approach	ZHANG Yong (116)

Concrete moisture transport tests based on non-saturated specimens	TONG Hui-zhi (121)
On Challenges and Countermeasures for Optimization of Spatial Layout in New Urban Districts	
—Taking Nanchuan District of Chongqing Municipality for example	JIANG Ya-na (127)
Distribution Characteristics of Mental-like As in Soil of Beijing Plain	WANG Peng-peng, KONG Chen-chen,
NIE Chao-jia, YANG Xue-ling, ZHANG Shi-wen, HUANG Yuan-fang (131)	
On Drinking Water Quality Condition and Characteristics of Phosphorus in Qianjiang District	LI Ying-ying,
ZHANG Yong-jiang, DENG Mao, SONG Wei-hua, LIU Rong (140)	
Collecting and Annealing Discarded Cigarette Filters to Prepare Carbon as Anode Materials for Lithium Ion Batteries	
.....	LI Shang-yuan, CAO Jia-jun, LUO Jian, CHAI Ya-qin (147)
On Psychometric Evaluation of the Scientific Attitude Inventory-Revised (SAIII) Chinese Version	... DING Chen-chen,
LI Tai-hua, LU Xiao-feng, MAO Yu-ting (152)	
On Exploration and Practice of Introducing Research Focus in Scientific Frontier Fields to Basic Chemistry	
Experiment Course Serving as Independent Designed Experiment	ZHANG Jiang-rong, LIAO Jia-yao,
ZHANG Na, LI Hong-ling, SONG Li, LIU De-fang (158)	
Reform of Inorganic and Analytical Chemistry Experiment and Construction of Green Experimental Textbook	
.....	ZHONG Guo-qing (162)
On Application of Case Combined with Problem-Based Teaching in Pharmaceutical Analysis Course	
.....	LIU Hui, HUANG Cheng-zhi (167)
On Application of Hand-held Technology in High School Chemistry Inquiry Experiment	
—Determination of Vc in Commercial Beverages Based on Fe^{2+} -phen Chromogenic Method	
.....	ZHANG Xiao-dan, MA Jing, ZHU Chao-juan, KONG Ling (171)
Review and Thinking of Research Lab System of Landscape Architecture in Chiba University	DU Wen-wu (176)
Construction of “Teacher-Graduate- Undergraduate” Cooperative & Innovative Practice Platform in Colleges and Universities	
—Taking the School of Life Sciences, Southwest University for an Example	WEI Jing, DENG Hong-ping,
LUO Ke-ming, TAO Wen-jing, ZHOU Lin-yan, SUN Li-na, WEI Ling, LI Ming-hui, WANG De-shou(180)	
Advantages of Ecological Science Education on Improving Self-confidence and Reassurance of Ethnic Minorities in Universities	
.....	Ayi Qiaoli, LIU Yuan-yuan, YANG Zhen-bing, ZENG Bo(185)
On Synthetically Experimental Teaching in Internal Medicine of Traditional Chinese Veterinary Medicine	
.....	CAO Li-ting, MA Yue, PENG Dai-guo, DONG Shi-qi(191)
Practice and Thinking on Teaching Inorganic Chemistry in English	ZHAO Zheng-huan, FU Chen(196)
Exploration and Practice of Teaching System Reform on Crop Production Practice Course in Agronomy	
.....	ZHAO Yong, WANG Ji-chun, ZHANG Jian-kui, TANG Zhang-lin(200)
On Optimization and Innovation of Landscape Plant Courses for Environmental Design Major of Art College	
.....	WANG Lu-yan, LÜ Xiao-hui(206)
Practice to Improve Teaching Quality for Curriculum of Physical Chemistry in Forestry Universities and Colleges	
.....	LI Xiang-hong(212)