

CNKI 来源期刊
中国中文核心期刊
中国科技核心期刊
中国高校优秀科技期刊

西南师范大学学报

JOURNAL OF SOUTHWEST CHINA
NORMAL UNIVERSITY

自然科学版

NATURAL
SCIENCE EDITION

2020. 7
第45卷 / 第7期



西南师范大学学报

(自然科学版)

第 45 卷 第 7 期

总第 280 期

2020 年 7 月 20 日出版

目 次

• 基础研究 •

- 确定风险投资和有界分红下复合 Poisson-Geometric 风险模型研究 孙宗岐, 杨鹏 (001)
隐马尔科夫多元线性回归模型中未知隐状态个数的贝叶斯模型选择 李勇,
刘鹤飞, 王坤, 相中启 (011)
间歇性抗病毒治疗的 HBV 扩散模型 李雅芝, 任新志 (018)
一类电荷传输模型的 Hopf 分支及其稳定性 景伟强, 郭改慧, 李建全 (026)

• 应用研究 •

- 桃树 *PpADC* 基因克隆及逆境胁迫表达分析 王保全, 张晓娜, 刘继红, 李国怀 (034)
秋枫对 Pb 和 Cd 复合胁迫的耐受及累积特性 周强英, 黄泽梅, 陈瑶, 李凌 (042)
重庆地区毛叶木姜子种群结构及开花特征分析 林婷, 石雅, 王海洋, 张俊 (047)
不同温度下 Ni₃Al 中疲劳裂纹扩展机理的原子模拟 马磊, 李长生, 郭杰荣 (055)
基于朴门永续理念的厦门后坑种子社区规划设计实践 刘懿瑶, 姚翔宇,
林娜, 谢雨纾, 裴浩成, 黄启堂 (062)
基于空间句法的环城游憩空间活力研究
——以南通市濠河风景名胜区为例 陈建宇, 许克福 (070)
快速城镇化地区的土地利用模拟
——以德阳市为例 赵晓全, 何伟, 李政, 杨皎 (078)

重庆市璧山区城市人工湿地中重金属的分布特征及污染评价	赵茂森，张寒禹， 邹旭青，熊维霞，陈富强，江长胜 (090)
山东省旅游生态敏感性空间结构研究	田 敏 (100)
“一带一路”沿线经济增长空间溢出效益模型构建研究	杨立春，胡珉彰 (107)
创业板上市公司融资结构微观影响因素的实证研究	康微婧 (115)
Spark 框架下混合 SACS-GS 的大数据清洗方法	何 翼，田 华 (123)
一种基于形态学结构元素优化的车牌快速检测算法	周雪梅，潘 多 (130)
基于边缘云计算的人体数据传感架构	孙二华，胡云冰 (137)
基于扰动 BOMP 算法的块稀疏信号重构	刘春燕，李 川，齐 静 (144)

• 教学研究与改革 •

白马藏族文化融入高职院校教育教学研究

——基于具身认知理论视角	王向东，王 双 (150)
来华临床医学本科留学生教育质量评价指标体系研究	彭梨梨，王 羽，陈 戈，董 志 (156)
校外实习基地深度参与高校工程教育合作模式研究	陈 超，谭 毅，马文英，杨 雄 (163)
农林类有机化学自主学习教学改革探索	刘章琴，魏沙平， 苏学素，张凤秀，张志扬，管晓渝 (168)
“工作坊”模式在风景园林设计与建造课程中的革新及应用	王倩娜，张锡娟，汪源源 (173)
文献导读在研究生“污染生态学”教学中的应用	赵秀兰，魏世强，蒋珍茂，木志坚 (181)
双创教育融入专业教育认知偏差及改革路径	
——基于现代学徒制视角	田黎莉 (186)

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

Vol. 45 No. 7

Total No. 280

Jul. 20, 2020

CONTENTS

On Compound Poisson-Geometric Risk Model with Fixed Risk Investment and Barrier Dividend

..... SUN Zong-qi, YANG Peng (001)

Bayesian Model Selection of Number of Unknown Hidden States in Hidden Markov Multiple Linear Regression Model

..... LI Yong, LIU He-fei, WANG Kun, XIANG Zhong-qi (011)

On Dynamics of an HBV Model with Intermittent Antiviral Therapy LI Ya-zhi, REN Xin-zhi (018)

On Hopf Bifurcation and Stability for a Charge Transfer Model JING Wei-qiang, GUO Gai-hui, Li Jian-quan (026)

Cloning and Abiotic Stress-Induced Expression of the Arginine Decarboxylase Gene from *Prunus persica*

..... WANG Bao-quan, ZHANG Xiao-na, LIU Ji-hong, LI Guo-huai (034)

Tolerance and Accumulative Characteristics of *Bischofia Javanica* under Combined Stresses of Pb and Cd

..... ZHOU Qiang-ying, HUANG Zhe-mei, CHEN Yao, LI Ling (042)

Analysis on Population Structure and Flowering Characteristics of *Litsea Mollis* Hemsl in Chongqing

..... LIN Ting, SHI Ya, WANG Hai-yang, ZHANG Jun (047)

Atomic Simulation of Fatigue Crack Propagation at Different Temperature in Ni₃Al

..... MA Lei, LI Chang-sheng, GUO Jie-rong (055)

Planning and Design Practice of Xiamen Houkeng Seed Community Based on Concept of Perseverance in Permaculture

..... LIU Yi-yao, YAO Xiang-yu, LIN Na, XIE Yu-shu, PEI Hao-cheng, HUANG Qi-tang (062)

On Space Vitality of City Recreation Based on Space Syntax

—Taking Haohe Scenic Spot in Nantong City as an Example CHEN Jian-yu, XU Ke-fu (070)

On Land Use Simulation in Rapid Urbanization Area

—Take Deyang as an Example ZHAO Xiao-quan, HE Wei, LI Zheng, YANG Jiao (078)

in Bishan District , Chongqing ZHAO Mao-sen, ZHANG Han-yu, ZOU Xu-qing,

XIONG Wei-xia, CHEN Fu-qiang, JIANG Chang-sheng (090)

Sensitivity-Based Analysis of Ecospatial Structure of Tourism Industry in Shandong Province TIAN Min (100)

On Construction of Space Spillover Benefits Model for Economic Development Along the Silk Road Economic Belt

..... YANG Li-chun, HU Min-zhang (107)

Empirical Research on Micro Factors of Finance Structure of Listed Companies on GEM KANG Wei-jing (115)

Big Data Cleaning Method for Hybrid SACS-GS under Spark Framework HE Yi, TIAN Hua (123)

A Fast License Plate Detection Algorithm Based on Morphological Structural Elements Optimization

..... ZHOU Xue-mei, PAN Duo (130)

Human Body Data Sensing Architecture Based on Edge Cloud Computing SUN Er-hua, HU Yun-bing (137)

A Perturbation Analysis of Block Sparse Signal Reconstruction with Block Orthogonal Matching Pursuit

..... LIU Chun-yan, LI Chuan, QI Jing (144)

On Practical Exploration of Integration of Baima Tibetan Culture into Higher Vocational Education

——From the perspective of embodied cognitive theory WANG Xiang-dong, WANG Shuang (150)

On Index System for Evaluating Education Quality of International Students in China Majoring in Bachelor

of Medicine & Bachelor of Surgery PENG Li-li, WANG Yu, CHEN Ge, DONG Zhi (156)

On Cooperation Model of Off-Campus Practice Base Deeply Participating in Engineering Education in Universities

..... CHEN Chao, TAN Yi, MA Wen-ying, YANG Xiong (163)

On Teaching Reform of Organic Chemistry to Develop Students' Self-Taught Ability

..... LIU Zhang-qin, WEI Sha-ping, SU Xue-su, ZHANG Feng-xiu, ZHANG Zhi-yang, GUAN Xiao-yu (168)

On Innovation and Application of Workshop Method in the Course of Landscape Design and Construction

..... WANG Qian-na, ZHANG Xi-juan, WANG Yuan-yuan (173)

On Application of Literature Guided Reading in Course of "Pollution Ecology" for Graduated Students

..... ZHAO Xiu-lan, WEI Shi-qiang, JIANG Zhen-mao, MU Zhi-jian (181)

Cognitive Deviation and Reform Path of Integration of Innovation and Entrepreneurship Education into Professional Education

——From the Perspective of Modern Apprenticeship TIAN Li-li (186)