

中华人民共和国教育部 主管
西南大学 主办

西南大学学报

JOURNAL OF SOUTHWEST UNIVERSITY

自然科学版

NATURAL SCIENCE EDITION



中国科学引文数据库 (CSCD) 来源期刊 中文核心期刊
中国精品科技期刊 中国高校百佳科技期刊
RCCSE核心学术期刊 重庆市出版专项资金资助期刊

万方数据

2 Vol. 43
February 2021

目 次

· 心理学专题——心理素质研究 ·

- 中学生心理素质表在中、德两国样本中的测量等值性检验 武丽丽, 张大均, 程刚, 胡天强, Detlef H. Rost (001)
- 大学生心理素质问卷简化版的多元概化分析 罗杰, 邹燕, 陈维, 武丽丽, 程刚, 郭成 (008)
- 中学生心理素质对学业成绩的影响: 一个多重中介作用模型 陈旭, 张大均, 李淑芬, 李勇 (014)

· 农业与生命科学 ·

- 41 个薄壳山核桃品种果实营养成分与脂肪酸组成的比较分析 常君, 任华东, 姚小华, 杨水平, 张潇丹, 张成才, 王开良 (020)
- 基于线性调频连续波雷达的甘蔗茎高检测 黄敏, 李光林, 张信, 闫东方 (031)
- 木薯种茎整理排序装置设计与优化 张俊, 何辉波, 邓干然, 李华英, 崔振德, 郑爽, 谭梁, 苟于江 (040)
- 不同体质量规格的日本医蛭适宜越冬密度与繁殖性能研究 余米, 刘嘉, 蒲德成, 周梦, 封孝兰, 曹敏 (047)
- 坡向对川西亚高山彩叶林群落树种内和种间竞争的影响 陈娟, 张小晶, 李巧玉, 陶建平 (053)
- 四季青水提液对慢性变应性接触性皮炎大鼠 AIM2/Caspase-1 炎症小体的影响 杜伟, 黄文涛, 罗金萍, 占敏霞, 罗先钦, 何白英, 张莉 (063)
- 石林石漠化地区可培养石生放线菌的多样性研究 李选文, 熊忠平, 周艺萍, 王金华, 韦建福, 陈晓溪, 熊智 (070)

· 数理科学与化学 ·

- 测度中立型泛函微分方程的稳定性 李宝麟, 席娅 (079)
- 完全图 K_{2^n} 的边传递循环覆盖 刘寅, 王鼎 (090)
- 非自治随机时滞广义 Kuramoto-Sivashinsky 方程的拉回随机吸引子 李勇, 张强恒, 李扬荣 (095)
- 分段双加权伪概周期函数的复合定理 宋娜, 夏正德 (103)

· 地球与环境科学 ·

- 湖南省近 56 年降水变化趋势及空间特征 符静, 旷微, 邓运员, 田亚平, 赵莎 (110)
- 全球湖泊湿地研究的文献计量分析及可视化表达 谭永滨, 黄敏婷, 程朋根, 艾金泉, 周思延 (120)

· 工程与信息技术 ·

- 高压油管的压力优化控制与仿真研究 侯超钧, 唐宇, 庄家俊, 郭琪伟, 褚璇, 苗爱敏, 骆少明 (130)
- 模态及尺寸参数对封闭腔内声压的影响研究 董红亮, 高书娜 (138)
- 319 型铸造铝合金球面接触下的磨损行为研究 譙建春, 刘宇, 李明生, 于志刚 (146)
- 灰色预测在电网企业物资需求预测中的应用 张雨晴 (154)
- 基于 CNN 的普米语孤立词语谱图分类 董华珍 (160)

JOURNAL OF SOUTHWEST UNIVERSITY

(NATURAL SCIENCE EDITION)

Vol. 43 No. 2

Total No. 314

Feb. 20, 2021

CONTENTS

Measurement Invariance Test of the Adolescent Psychological <i>Suzhi</i> Scale Between Chinese and German Samples	WU Li-li, ZHANG Da-jun, CHENG Gang, HU Tian-qiang, Detlef H. ROST (001)
A Multivariate Generalizability Analysis of the College Students' Psychological <i>Suzhi</i> Questionnaire (Simplified Version)	LUO Jie, ZOU Yan, CHEN Wei, WU Li-li, CHENG Gang, GUO Cheng (008)
The Effect of Middle School Students' Psychological <i>Suzhi</i> on Their Academic Achievement; A Parallel Mediation Model	CHEN Xu, ZHANG Da-jun, LI Shu-fen, LI Yong (014)
A Comparative Analysis of Nutritional Components and Fatty Acid Composition of 41 Pecan Varieties	CHANG Jun, REN Hua-dong, YAO Xiao-hua, YANG Shui-ping, ZHANG Xiao-dan, ZHANG Cheng-cai, WANG Kai-liang (020)
Detection of Ridge Height in Sugarcane Fields Based on Linear Frequency Modulation Continuous Wave Radar	HUANG Min, LI Guang-lin, ZHANG Xin, YAN Dong-fang (031)
Design and Optimization of Sorting Device for Cassava Seed Stem	ZHANG Jun, HE Hui-bo, DENG Gan-ran, LI Hua-ying, CUI Zhen-de, ZHENG Shuang, TAN Liang, GOU Yu-jiang (040)
Study on the Optimum Overwintering Density and Reproductive Performance of <i>Hirudo nipponia</i> Whitman with Different Weight Sizes	YU Mi, LIU Jia, PU De-cheng, ZHOU Meng, FENG Xiao-lan, CAO Min (047)
Effects of Slope Direction on the Intraspecific and Interspecific Competition in Subalpine Color-Leaved Forests in Western Sichuan, China	CHEN Juan, ZHANG Xiao-jing, LI Qiao-yu, TAO Jian-ping (053)

Effect of <i>Ilicischinensis folium</i> Water Extract on the Inflammatory Bodies of AIM2/Caspase-1 in Rats with Chronic Allergic Contact Dermatitis	DU Wei, HUANG Wen-tao, LUO Jing-ping, ZHAN Min-xia, LUO Xian-qing, HE Bai-ying, ZHANG Li (063)
Study on Diversity of Culturable Rock-Inhabiting Actinomycetes in Shilin Rocky Desertification Area	LI Xuan-wen, XIONG Zhong-ping, ZHOU Yi-ping, WANG Jin-hua, WEI Jian-fu, CHEN Xiao-xi, XIONG Zhi (070)
Stability of Measure Neutral Functional Differential Equations	LI Bao-lin, XI Ya (079)
Edge-Transitive Cyclic Covers of the Complete Graph K_{2^n}	LIU Yin, WANG Ding (090)
Pullback Random Attractors for the Non-autonomous Stochastic Delay Generalized Kuramoto-Sivashinsky Equation	LI Yong, ZHANG Qiang-heng, LI Yang-rong (095)
The Compound Theorem for Piecewise Double-Weighted Pseudo-almost Periodic Functions	SONG Na, XIA Zheng-de (103)
Trends of Precipitation Variations and Their Spatial Patterns in Hunan Province Over 56 Years (1960—2015)	FU Jing, KUANG Wei, DENG Yun-yuan, TIAN Ya-ping, ZHAO Sha (110)
A Bibliometrical Analysis of Researches of Global Lake Wetland and Its Visualized Expression	TAN Yong-bin, HUANG Min-ting, CHENG Peng-gen, AI Jin-quan, ZHOU Si-yan (120)
Simulation Research on the Optimal Pressure Control for High-Pressure Oil Fuel Pipeline	HOU Chao-jun, TANG Yu, ZHUANG Jia-jun, GUO Qi-wei, CHU Xuan, MIAO Ai-min, LUO Shao-ming (130)
Study on Impacts of Modal and Dimensional Parameters on Interior Sound Pressure of Enclosed Cavities	DONG Hong-liang, GAO Shu-na (138)
Wear Behavior of 319 Cast Aluminum Alloy Under Ball-to-Flat Contact	QIAO Jian-chun, LIU Yu, LI Ming-sheng, YU Zhi-gang (146)
The Implementation of Grey Prediction in the Field of Procurement Forecasting in the Electrical Corporation	ZHANG Yu-qing (154)
Primi Isolated Word Spectrogram Classification Based on Convolutional Neural Network	DONG Hua-zhen (160)