

目次

· 计算教育学之深度学习专题 ·

- 基于 SEC 模式的新高考数学试题与课程标准的一致性分析 胡航, 马子潇 (002)
- 大单元整体教学对学生结构化思维的影响机制、效果与实施策略 陈传霞, 鲁海波 (013)
- 基于深度学习理论的高中编程教学模式设计与实践 钟晓燕, 邱瑀楠, 瞿堃 (023)
- CTCL 范式下学习兴趣提升学生音乐核心素养的实证研究 颜芬, 廖晋弘, 朱俊怡, 苏菡 (035)
- 技术支持型教学干预对学生计算思维培养的影响
——基于 37 篇国际实证研究的元分析 周琴, 邓玉 (044)

· 农业与生命科学 ·

- 高光谱成像的水稻冠层穗颈瘟早期识别 袁建清, 仇逊超, 贾银江, 南洋, 苏中滨 (057)
- 白及炭疽病病原菌的鉴定及其室内防治药剂筛选 侯秀明, 王晗怡,
陈婷婷, 高萌, 高乞, 廖宏泽, 周浩 (066)
- 玉米种衣剂在土壤中的残留动态及对土壤酶活性和可培养细菌的影响 刘亚冬,
吕陈生, 申鸿, 武奕彤, 李开叶 (076)
- 利用 BSA-Seq 筛选甘蓝型油菜菌核病抗性候选基因 夏吉春, 彭于洲,
王东, 李桐舟, 张凯, 徐新福 (085)
- ‘砧茄一号’砧木新品种特性及其对嫁接番茄农艺性状的影响 苏妮妮, 吴浪,
刁鹏, 邓慧琳, 黄鹏, 杜滢骏, 罗玉环, 张兴国, 潘宇, 李金华 (097)
- 家蚕小分子热激蛋白 *BmHsp19.1* 基因克隆及在蚕卵中的表达特征 龚竞,
张伟, 唐苗, 程悦静, 庞家欣 (109)
- 超高液相色谱-串联质谱法测定贝类组织中环境雄激素睾酮的前处理方法优化 付梅,
申春琴, 汪政希, 刘梅, 姚维志, 原居林, 彭希文, 吕红健 (116)

· 经济研究 ·

- 乡村旅游推动居民角色认同与可持续生计互动机理研究
——以咸阳市袁家村和马嵬驿为例 吴冰, 张佳敏, 贾榕榕, 马瑛 (125)
- 新型职业农民培训、农民收入与地方产业发展 洪婀娜, 陈秋华 (140)
- 创业经历、制度环境与乡村创业绩效 田逸飘, 刘明月, 廖望科 (154)
- 基于供应链博弈视角的代工企业品牌自主化研究 王婷, 张浩, 贺庆仁 (165)

· 地球与环境科学 ·

- 基于 FY-4A 和气象条件的梵净山云海识别及特征分析 李光一, 田鹏举,
陈远航, 谷晓平, 段莹, 廖留峰 (174)
- BCC-CSM2-MR 模式对东亚冬季风气候特征的模拟评估 邹星捷, 朱丽华 (182)

· 工程与信息技术 ·

- 综合物探方法在黏土地区开挖隧道的应用 吴庆良, 唐彬雪, 王惠贤 (192)
- 基于特征增强的多方位农业问句语义匹配 王奥, 吴华瑞, 朱华吉 (201)

JOURNAL OF SOUTHWEST UNIVERSITY

(NATURAL SCIENCE EDITION)

Vol. 45 No. 6

Total No. 342

Jun. 20, 2023

CONTENTS

Consistency Analysis of the New College Entrance Examination of Mathematics Tests and Curriculum Standards Based on SEC Model	HU Hang, MA Zixiao (002)
The Influencing Mechanism, Effect and Implementation Strategies of the Integral Teaching of the Whole Units on Students' Structured Thinking	CHEN Chuanxia, LU Haibo (013)
Design and Practice of High School Programming Teaching Mode Based on Deep Learning Theory	ZHONG Xiaoyan, QIU Yunan, Qu Kun (023)
An Empirical Study of Learning Interests Enhancing Elementary School Students' Music Core Literacy under the CTCL Paradigm	YAN Fen, LIAO Jinhong, ZHU Junyi, SU Han (035)
The Influence of Technology-Supported Teaching Intervention on Students' Computational Thinking Training ——Meta-Analysis Based on 37 International Empirical Studies	ZHOU Qin, DENG Yu (044)
Early Identification of Rice Panicle Blast in Canopy Based on Hyperspectral Imaging	YUAN Jianqing, QIU Xunchao, JIA Yinjiang, NAN Yang, SU Zhongbin (057)
Identification the Pathogen of Anthracnose on <i>Bletilla striata</i> in Guangxi Province and Fungicide Screening in Laboratory	HOU Xiuming, WANG Hanyi, CHEN Tingting, GAO Meng, GAO Qi, LIAO Hongze, ZHOU Hao (066)
Residual Dynamics of Corn Seed Coating Agent in Soil and its Effects on Soil Enzyme Activity and Culturable Bacteria	LIU Yadong, LYU Chensheng, SHEN Hong, WU Yitong, LI Kaiye (076)
Identification of Major Sclerotinia Resistance Genes by BSA-Seq of <i>Brassica napus</i>	XIA Jichun, PENG Yuzhou, WANG Dong, LI Tongzhou, ZHANG Kai, XU Xinfu (085)

Characteristics of New Rootstock Variety ‘Zhenqie No. 1’ and Its Effect on	
Agronomic Traits of Grafted Tomatoes	SU Nini, WU Lang, XI Peng, DENG Huilin,
HUANG Peng, DU Yanjun, LUO Yuhuan, ZHANG Xingguo, PAN Yu, LI Jinhua (097)	
Cloning and Expression Analysis of <i>BmHsp19.1</i> Gene in Silkworm Eggs	GONG Jing,
ZHANG Wei, TANG Miao, CHENG Yuejing, PANG Jiaxin (109)	
Optimization of Sample Pretreatment for Determination of Testosterone in Shellfish by	
Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry	
..... FU Mei, SHEN Chunqin, WANG Zhengxi, LIU Mei,	
YAO Weizhi, YUAN Julin, PENG Xiwen, LYU Hongjian (116)	
Study on the Interaction Mechanism of Rural Tourism Promoting Residents’ Role	
Identification and Sustainable Livelihoods ——Taking Yuanjia Village and	
Maweiyi in Xianyang City as Examples	WU Bing,
ZHANG Jiamin, JIA Rongrong, MA Ying (125)	
New Vocational Farmer Training, Farmer Income and Local Industry Development	
..... HONG Xianna, CHEN Qiuhua (140)	
Entrepreneurial Experience, Institutional Environment and Rural	
Entrepreneurial Performance	TIAN Yipiao, LIU Mingyue, LIAO Wangke (154)
Research on Brand Autonomy of OEM Enterprises from the Perspective of	
Supply Chain Game	WANG Ting, ZHANG Hao, HE Qingren (165)
Identification of Cloud Sea of Mount Fanjing and Characteristic Analysis Based on	
FY-4A and Meteorological Conditions	LI Guangyi, TIAN Pengju,
CHEN Yuanhang, GU Xiaoping, DUAN Ying, LIAO Liufeng (174)	
Assessment of the Climate Characteristics of the East Asian Winter Monsoon by	
BCC-CSM2-MR Model	ZOU Xingjie, ZHU Lihua (182)
Application of Comprehensive Geophysical Prospecting Method in	
Tunnel Excavation in Clay Area	WU Qingliang, TANG Binxue, WANG Huixian (192)
Multi-Level Semantic Matching of Agricultural Questions Based on	
Feature Enhancement	WANG Ao, WU Huarui, ZHU Huaji (201)