



中国科技核心期刊
RCCSE中国核心学术期刊(A)
湖北省优秀期刊
中国高校优秀科技期刊

ISSN 1000-2375
CN 42-1212/N

湖北大学 **学报**

自然科学版

JOURNAL OF HUBEI UNIVERSITY
NATURAL SCIENCE

5

2021

第43卷 第5期
Vol. 43 No. 5

软件应用研究专栏

- 基于交接码的统一认证平台用户绑定设计 周游舟(477)
 The design of unified authentication binding based on handover code ZHOU Youzhou
- 基于任务特征的一种小样本学习方法 龚泽凯,范兆伦,崔海波(485)
 A few-shot learning method based on task features GONG Zekai, FAN Zhaolun, CUI Haibo

自然资源开发技术与实验研究专栏

- 一种甲基膦酸酯降解菌的筛选、鉴定以及特性分析 李俊红,刘厚权,喻婵(490)
 Screening, identification and characteristic analysis of a methylphosphonic acid degrading bacterium
 LI Junhong, LIU Houquan, YU Chan
- 煤层气排采井防煤粉技术研究 李袖臣,张文,吕洋,吴威(498)
 Coal powder control technology for coalbed methane well LI Xiuchen, ZHANG Wen, LV Yang, WU Wei
- 橡子壳色素的染发性能研究 钟继超,李泽璠,赵敏,杜尊众,周立新(502)
 Hair dyeing properties of acorn shell pigment
 ZHONG Jichao, LI Zefan, ZHAO Min, DU Zunzhong, ZHOU Lixin

生命科学与医药卫生

- 基于重要值和 Hegyi 竞争指数濒危植物洪平杏伴生群落特征研究
 龙丽,彭秋桐,李中强,郝涛,刘亚恒(507)
 Traits of concomitant community of endangered plant *Armeniaca hongpingensis* based on importance value
 and Hegyi competition index LONG Li, PENG Qitong, LI Zhongqiang, HAO Tao, LIU Yaheng

2021年9月5日出版

目次

帕金森发病机制及其最新治疗策略	肖雪洋,武治印,胡琳珍(514)
Pathogenesis and the latest treatment strategies of Parkinson's disease	XIAO Xueyang, WU Zhiyin, HU Linzhen

地理与环境科学

武汉市臭氧时空分布及环境变量影响分析	杨喆,赵锦慧,刘玉青,邓田田,侯长平,林国成(522)
Analysis of the temporal and spatial distribution of ozone and the influence of environmental variables in Wuhan	YANG Zhe, ZHAO Jinhui, LIU Yuqing, DENG Tiantian, HOU Changping, LIN Guocheng
农田生态系统服务功能价值评估——以嘉馥农场为例	牛端丹,余文畅,高力,杨正新,樊丹,李兆华(529)
Evaluation of the service function value of farmland ecosystems:a case study of Jiafu Farm	NIU Duandan, YU Wenchang, GAO Li, YANG Zhengxin, FAN Dan, LI Zhaohua

基础数学与应用数学

基于三阶段 DEA-Malmquist 模型的乡村振兴下的农业保险支农效率	郑军,杨柳(538)
Efficiency of agricultural insurance supporting agriculture under rural revitalization based on three-stage DEA Malmquist model	ZHENG Jun, YANG Liu
利用对偶理论求解线性规划问题的策略探讨	赵芹,章舜哲,刘慧清,雷琪(551)
Discussion on the method of solving the linear programming by dual theory	ZHAO Qin, ZHANG Shunzhe, LIU Huiqing, LEI Qi

物理学与电子技术

基于 5G 网络频段双模介质腔体滤波器仿真设计	任思齐,王今朝,江娟,甘霖,章天金(555)
Simulation design of dual-mode dielectric cavity filter for 5G network base station	REN Siqi, WANG Jinzhao, JIANG Juan, GAN Lin, ZHANG Tianjin
有源环路低通中运放带宽对相噪的影响	钱焕裕,钱捷,盛伟新(561)
Effect of operational amplifier on phase noise in active low-pass loop	QIAN Huanyu, QIAN Jie, SHENG Weixin

本期执行编辑:赵燕

CONTENTS

Journal of Hubei University
Natural Science

- 二维材料 MXene 的制备及其在光催化产氢领域的研究进展 李恩, 朱艳超, 刘洋(566)
Research progress of preparation and photocatalytic hydrogen production on two-dimensional material MXene
..... LI En, ZHU Yanchao, LIU Yang
- Ag 纳米颗粒局域表面等离子体共振增强 CsPbBr₃ 纳米片光电探测器性能研究
..... 柳维端, 穆国鑫, 解国奥, 王亚琦, 李根, 胡永明, 李岳彬(572)
Preparation and performances of plasmonic Ag nanoparticles enhanced CsPbBr₃ nanosheets photodetector
..... LIU Weiduan, MU Guoxin, XIE Guoao, WANG Yaqi, LI Gen, HU Yongming, LI Yuebin

化学化工与材料科学

- 两个氰根桥连异双核 DyCr 配合物的合成和磁性研究
..... 王飞, 邱关霞, 梁露予, 龚慧文, 刘贝, 方玥懿, 朱文华(577)
Synthesis and magnetic properties of two cyano-bridged DyCr heterodinuclear complexes
..... WANG Fei, QIU Guanxia, LIANG Luyu, GONG Huiwen, LIU Bei, FANG Yueyi, ZHU Wenhua
- 水热法合成橙色荧光氮、氟共掺杂碳点用于 2,4,6-三硝基苯酚的检测研究 陈宽, 何瑜, 宋功武(584)
Hydrothermal synthesis of orange-emitting nitrogen and fluorine co-doped carbon dots (N,F-CDs) for the
determination of 2, 4, 6-trinitrophenol CHEN Kuan, HE Yu, SONG Gongwu
- 艾司洛尔中间体 3-(4-羟基苯基)丙酸甲酯的合成
..... 贾芳, 陈冰涵, 闫旭冉, 赵一玫, 姜军, 叶文静, 王凯(590)
Synthesis of an esmolol intermediate of methyl 3-(4-hydroxyphenyl) propionate
..... JIA Fang, CHEN Binghan, YAN Xuran, ZHAO Yimei, JIANG Jun, YE Wenjing, WANG Kai
- 基于两次相平衡的静态顶空-气相色谱仪一体化性能确认方法
..... 张霞, 徐淑浩, 李国智, 李勤书, 龙雨蛟, 朱雪峰, 叶茵(595)
Integrated performance validation method of static headspace-gas chromatography based on
twice phase equilibration
..... ZHANG Xia, XU Shuhao, LI Guozhi, LI Qinshu, LONG Yujiao, ZHU Xuefeng, YE Yin