



中国核心学术期刊
中国科技核心期刊
中国高校优秀科技期刊
湖北省优秀期刊

ISSN 1000-2375
CN 42-1212/N

湖北大学 **学报**

自然科学版

JOURNAL OF HUBEI UNIVERSITY
NATURAL SCIENCE

3

2020

第42卷 第3期
Vol. 42 No. 3

生态环境评价研究专栏

- 基于遥感生态指数的鄂州市生态环境质量评估 蔡贤,杜晓初(233)
- Eco-environmental quality assessment of Ezhou City based on *RSEI* CAI Xian, DU Xiaochu
- 基于 GIS 的共享农庄建设适宜性评价及发展研究——以海口市美兰区为例 ... 程畅,赵丽娅,何超(240)
- GIS-based analysis and development on the construction suitability of shared farm——taking Meilan District of Haikou City as an example CHENG Chang, ZHAO Liya, HE Chao

氧化物光电功能材料及器件研究专栏

- 沉积氧压对 RuVO₂ 合金薄膜结构及 MIT 特性的影响研究
..... 曹瑞琦,陆浩,陶欣,王歆茹,李派,卢寅梅,何云斌(247)
- Effect of deposition oxygen pressure on the structure and MIT characteristics of RuVO₂ alloy thin films
..... CAO Ruiqi, LU Hao, TAO Xin, WANG Xinru, LI Pai, LU Yinmei, HE Yunbin
- 电极间距对 BeMgZnO 薄膜光电探测器性能的影响
..... 裴卫杰,杨蓉慧子,陈剑,张腾,汪洋,黎明锴,卢寅梅,何云斌(253)
- Effect of electrode spacing on the performance of BeMgZnO thin-film photodetectors PEI Weijie,
..... YANG Ronghuizi, CHEN Jian, ZHANG Teng, WANG Yang, LI Mingkai, LU Yinmei, HE Yunbin
- Be_xZn_{1-x}O_{1-y}S_y 四元合金热力学性质的第一性原理研究
..... 孟冬雪,叶盼,肖兴林,魏皓然,刘伯涵,黎明锴,何云斌(259)
- First-principles study of thermodynamic properties of Be_xZn_{1-x}O_{1-y}S_y quaternary alloys
..... MENG Dongxue, YE Pan, XIAO Xinglin, WEI Haoran, LIU Bohan, LI Mingkai, HE Yunbin

化学化工与材料科学

- 顶空液相微萃取-高效液相色谱法测定水中六氯苯 周建刚,陈红兵(267)

目次

2020年5月5日出版

Determination of hexachlorobenzene in water by head-space liquid-phase microextraction high performance liquid chromatography ZHOU Jiangang, CHEN Hongbing

1,4-环己烷二甲酸顺反比例对耐紫外聚酯弹性体 PCCD-PTMG 的性能影响研究
..... 汪子昌,郝同辉,张群朝,蒋涛(272)

Effect of 1,4-cyclohexanedicarboxylic acid cis-trans ratio on the performance of poly(1,4-cyclohexanedicarboxylic acid-1,4-cyclohexanedimethanol)-polytetrahydrofuran (PCCD-PTMG) UV-resistant polyester elastomer
..... WANG Zichang, HAO Tonghui, ZHANG Qunchao, JIANG Tao

物理学与电子技术

湿地环境 10 kV 配电线路鸟害分析及防治 张广洲,莫金龙,孙先山,邓慰,徐国华,郑路遥(279)
Analysis and prevention for bird damage on 10 kV distribution lines in wetland environment

..... ZHANG Guangzhou, MO Jinlong, SUN Xianshan, DENG Wei, XU Guohua, ZHENG Luyao
亚硝酸钙对硫铝酸盐水泥水化硬化过程的影响 赵河闯,朱艳超,李恩,马保国,谭洪波,李相国(284)

Influence of calcium nitrite on hydrating and hardening process of sulphoaluminate cement
..... ZHAO Hechuang, ZHU Yanchao, LI En, MA Baoguo, TAN Hongbo, LI Xiangguo

地理学与环境科学

武汉市中心城区热干面馆空间分布特征及其影响因素 陈晨,刘润(289)
Study on spatial distribution characteristics and influential factors of hot-dry noodle restaurants in central districts

of Wuhan CHEN Chen, LIU Run
南湖污染源解析与污染负荷核算 秦柳,朱江龙,龚汇泉,王敏,陈默(298)

Analysis of pollution source and calculation of pollution load of the South Lake
..... QIN Liu, ZHU Jianglong, GONG Huiquan, WANG Min, CHEN Mo

生命科学与医药卫生

水位梯度对狭叶香蒲光合作用的影响 周文昌,史玉虎,付甜,庞宏东,黄国伟(306)
Effect of water table gradient on photosynthesis of *Typha angustifolia*

..... ZHOU Wenchang, SHI Yuhu, FU Tian, PANG Hongdong, HUANG Guowei

本期执行编辑:胡小洋

CONTENTS

Journal of Hubei University
Natural Science

湖北荆州地区高危型 HPV 感染状况及流行病学特征研究

..... 阎璠, 李滔, 唐全, 彭长华, 欧阳耀灵, 李承彬, 汤璇(311)

The research on the infection status and epidemiological characteristics of high-risk HPV in Jingzhou area of Hubei Province

..... YIN Fan, LI Tao, TANG Quan, PENG Changhua, OUYANG Yaoling, LI Chengbin, TANG Xuan

低频聚焦超声刺激联合盐酸帕罗西汀对老年人抑郁症患者疗效观察

Effect of combination of paroxetine hydrochloride and low-intensity frequency ultrasound pulsation on elderly

patients with depression PAN Xiangrong, LIU Ruolan, LI Xu

计算机与信息工程

基于深度学习的铝厂工业自动浇筑中的图像识别

Image recognition in automatic pouring of aluminum plant based on deep learning

..... YI Jiaming, HU Xiaolong

基于多视角图与卷积神经网络的三维模型检索算法

3D model retrieval algorithm based on multi-view image and convolutional neural network

..... ZHU Tianfang, HU Shushan, YU Riji, LI Wenjing

基础数学与应用数学

π -部分特征标的 McKay 猜想

The McKay conjecture for π -partial characters CHANG Xuewu, WANG Na

带内能的 Cahn-Hilliard 方程解的整体存在性

Global existence of solutions for Cahn-Hilliard equation with inertial term XU Hongmei, LI Qi

竞争失效场合恒定应力加速退化试验统计分析

Statistical analysis of constant stress accelerated degradation test in the case of competing failure

..... CAO Yuyu, TANG Jiayin, HE Ping, CAO Ling

一种计盒维数估算的新方法

A new box-counting method for fractal dimension

..... WANG Xiaoyan, CHEN Zhijie, JIANG Youhua, TANG Wenlan, BO Qianzhen