



ISSN 1000-5013  
CN 35-1079/N  
CODEN HDZIEF

# 华侨大学学报

(自然 科 学 版)

JOURNAL OF HUAQIAO UNIVERSITY  
(NATURAL SCIENCE)

第 41 卷 第 1 期  
Vol. 41 No. 1

2020

中国 · 泉州 · 厦门  
CHINA · QUANZHOU · XIAMEN



# 华侨大学学报

## (自然科学版)

2020年1月

总第171期

第41卷第1期

## 目 次

大尺寸条石无浆砌缝力学性能试验

..... 江云帆, 郭子雄, 许秀林 (1)

港珠澳大桥沉管隧道的横截面承载力分析

..... 段进涛, 董毓利, 朱三凡, 王冬晔, 雉家琪 (8)

再生块体混凝土的单轴受压试验

..... 蔡敏伟, 王卫华, 董毓利, 洪铁东, 陈香蓉, 郭秀泉 (19)

正式群体安全氛围对建筑工人从众性不安全行为的影响

..... 唐玲玲, 张云波, 祁神军, 陈梅, 牛达钰 (26)

部分充填式钢箱-混凝土连续组合梁刚度分析

..... 莫时旭, 蒋越, 郑艳, 韩涛 (32)

运用植物降温机制的围护结构防热设计

..... 陈丹丹, 冉茂宇 (39)

影响驾驶员心生理变化的高速公路路侧植物的选择原则

..... 乔建刚, 李士宣, 王伟, 孙建斌 (46)

装配式建筑施工建筑信息模型应用成熟度评价

..... 董娜, 弓成, 熊峰 (50)

两相喷射器增压的二级压缩制冷系统性能分析

..... 刘琬琳, 黄潇治, 李风雷 (60)

近海海洋真菌生物转化(+) - 柠檬烯

..... 杨道茂, 陈煌 (67)

6-氨基乙酰基-6-脱氧壳聚糖对卷烟烟气中苯酚的吸附性能

..... 张艺, 龚安达, 李华杰, 李明春, 辛梅华 (72)

金线莲多糖抗衰老作用及其机制

..... 刘青, 李永, 盛世美 (77)

单环刺螠不同部位中纤溶酶的分离纯化及其活性差异

..... 尹哲, 龙莎, 张嘉颖, 於怀龙, 王立强 (84)

自适应变异粒子群优化 BP 的短期风电功率预测模型

..... 王粟, 邱春辉, 曾亮 (90)

面向摄像整纬器的织物纬斜检测方法

..... 刘建宝, 李平 (96)

直达链路下的多用户分集与全双工中继系统

..... 徐伟, 赵睿 (103)

运动想象脑机接口系统的 Petri 网建模方法

..... 方慧娟, 尹亮, 罗继亮 (113)

采用偏最小二乘法的基因-药物共模块识别

..... 毛玉杰, 魏东, 李玉双 (121)

$B^2$  上  $\alpha$  次殆星映射的一类有界构造

..... 王洁, 林珍连, 王建飞 (126)

形式背景的下近似协调与粒协调的关系

..... 陈东晓, 李进金 (130)

---

期刊基本参数：CN 35-1079/N \* 1980 \* b \* A4 \* 136 \* zh \* P \* ¥10.00 \* 1 000 \* 20 \* 2020-01 \* n

# JOURNAL OF HUAQIAO UNIVERSITY

( NATURAL SCIENCE )

Vol. 41 No. 1

Sum 171

Jan. 2020

---

## CONTENTS

Test on Mechanical Properties of Large-Size Dry Stone Masonry Joint

..... JIANG Yunfan, GUO Zixiong, XU Xiulin (1)

Cross-Section Bearing Capacity Analysis of Immersed Tunnel of Hong Kong-Zhuhai-Macao

Bridge

..... DUAN Jintao, DONG Yuli, ZHU Sanfan, WANG Dongye, LUO Jiaqi (8)

Experiment on Uniaxial Compression of Compound Concrete Made of Demolished

Concrete Lumps and Fresh Concrete

..... CAI Minwei, WANG Weihua, DONG Yuli,

..... HONG Tiedong, CHEN Xiangrong, GUO Xiuquan (19)

Influence of Formal Group Safety Atmosphere on Conformity Unsafe Behaviors of

Construction Workers

..... TANG Lingling, ZHANG Yunbo, QI Shenjun, CHEN Mei, NIU Dayu (26)

Stiffness Analysis of Partially Filled Steel Box-Concrete Continuous Composite Beam

..... MO Shixu, JIANG Yue, ZHENG Yan, HAN Tao (32)

Heat Protection Design of Building Envelope Using Plant Cooling Mechanism

..... CHEN Dandan, RAN Maoyu (39)

Selection Principle of Express Way Side Plants Affecting Driver's Heart Physiology Change

..... QIAO Jiangang, LI Shixuan, WANG Wei, SUN Jianbin (46)

Maturity Evaluation of Building Information Modeling Applications in Prefabricated

Building Construction

..... DONG Na, GONG Cheng, XIONG Feng (50)

Analysis on Performance of Two-Stage Compression Refrigeration System Pressurized

With Two-Phase Ejector

..... LIU Wanlin, HUANG Xiaozhi, LI Fenglei (60)

Biotransformation of (+)-Limonene by Offshore Marine Fungi

..... YANG Daomao, CHEN Huang (67)

Adsorption Property of Phenol in Cigarette Smoke by 6-Aminoethylamine-6-Deoxychitosan

..... ZHANG Yi, GONG Anda, LI Huajie, LI Mingchun, XIN Meihua (72)

Anti-Aging Effects and Mechanisms of *Anoectochilus roxburghii* Polysaccharose

..... LIU Qing, LI Yong, SHENG Shimei (77)

Purification and Activity Difference of Fibrinolytic Enzyme From Different Parts of

*Urechis unicinctus*

..... YIN Zhe, LONG Sha, ZHANG Jiaying, YU Huailong, WANG Liqiang (84)

Short-Term Wind Power Prediction Model of Adaptive Mutation Particle Swarm

Optimization BP

..... WANG Su, QIU Chunhui, ZENG Liang (90)

Detection Method of Fabric Weft Skew With Camera Straightener

..... LIU Jianbao, LI Ping (96)

Multi-User Diversity and Full-Duplex Relay System With Direct Link

..... XU Wei, ZHAO Rui (103)

Petri Net Modeling Method for Motor Imagery Brain-Computer Interface System

..... FANG Huijuan, YIN Liang, LUO Jiliang (113)

Identify Gene-Drug Co-Modules by Partial Least Square Method

..... MAO Yujie, WEI Dong, LI Yushuang (121)

Bounded Construction of Almost Starlike Mappings of Order  $\alpha$  in  $B^2$

..... WANG Jie, LIN Zhenlian, WANG Jianfei (126)

Relationships Between Lower Approximation Consistent and Granular Consistent in

Formal Contexts

..... CHEN Dongxiao, LI Jinjin (130)

---

**Serial Parameters:** CN 35-1079/N \* 1980 \* b \* A4 \* 136 \* zh \* P \* ¥10.00 \* 1 000 \* 20 \* 2020-01 \* n