



ISSN 1672-058X

RCCSE准核心期刊

《中国核心期(遴选)数据库》收录期刊
JST日本科学技术振兴机构数据库收录期刊

重慶工商大學學報

Journal of Chongqing Technology and Business University

自然科学版

Natural Science Edition

1

2021

第38卷 第1期
VOL.38 No. 1

重慶工商大學學報【自然科學版】

第三十八卷第一期

二〇二一年二月

中国·重庆
CHONGQING CHINA

ISSN 1672-058X



万方数据

重庆工商大学学报

(自然科学版)

第 38 卷 第 1 期 总第 195 期 2021 年 2 月 25 日出版

目 次

表面损伤叶轮激光增材再制造研究	许 磊,杜彦斌,张 磊(1)
基于均匀设计法的高比转速离心风机研究	梁一凡,赛庆毅,王 玄(7)
基于电流信息的三端环形直流配电网保护策略	马 鋈(14)
基于 DSP 处理器的片上 ROM 功耗优化实现	张莹月,黄嵩人(22)
基于粒子群算法的二次再热机组主蒸汽温度优化控制	李 达,张 兴,武海澄,雷志伟,阚俊超(30)
窄带物联网下的入侵传感系统设计	朱宗玖,王海波,洪 炎,裴善强(36)
基于地理位置信息的无人机可靠路由算法	袁学松(43)
基于多任务贝叶斯压缩感知的探地雷达成像算法	吴冬晖(50)
乒乓球挥拍动作识别方法研究	张学锋,陈雪瑞(55)
榆叶粗提液治疗幼鼠癫痫作用初探	孔淑贞,程璐瑶,曾小航(63)
复合酶水解蚯蚓蛋白的研究	谢春燕,熊晓莉(71)
递归(分片)仿射分形插值数值模拟与盒维数研究	袁利国,余荣忠,旷菊红(76)
一类非线性带延迟项粘弹性方程的初边值问题	郑雅匀,杨 晗(83)
丢番图方程 $x+(2n)^2=y^9$ ($1 \leq n \leq 7$) 的整数解	陈一维,柴向阳(92)
关于不定方程 $x+4^n=y^{11}$ 的整数解	蔡小群(99)
裂隙性质对含裂隙基坑土坡渗流特性影响数值模拟研究	朱余佳(105)
基于类别不平衡的企业信用风险违约测度探索 ——以制造业上市公司为例	郭 畅(113)
重庆市城乡居民人均可支配收入和消费的分位数回归估计	左思静,杨宜平(120)

期刊基本参数 :CN 50-1155/N * 1983 * m * A * 128 * zh * P * ¥12.00 * 1000 * 18 * 2021-2

本期统校:李翠薇

JOURNAL OF CHONGQING TECHNOLOGY AND BUSINESS UNIVERSITY
(NATURAL SCIENCE EDITION)

Vol. 38 No. 1

Total No. 195

Feb. 25, 2021

CONTENTS

Laser Cladding Remanufacture on Damaged Impeller Surface	<i>XU Lei, DU Yan-bin, ZHANG Lei</i>	(6)
Study on High Specific Speed Centrifugal Fan Based on the Uniform Design Test ...	<i>LIANG Yi-fan, SAI Qing-yi, WANG Xuan</i>	(13)
Protection Strategy for Three-terminal Annular DC Distribution Network Based on Current Information	<i>MA Yun</i>	(21)
Optimization of On-chip ROM Power Consumption Based on DSP Processor	<i>ZHANG Ying-yue, HUANG Song-ren</i>	(29)
Optimal Control of Main Steam Temperature of Secondary Reheat Unit Based on Particle Swarm Optimization	<i>LI Da, ZHANG Xing, WU Hai-cheng, LEI Zhi-wei, KAN Jun-chao</i>	(35)
Design of Intrusion Sensing Device under Narrow-band Internet of Things	<i>ZHU Zong-jiu, WANG Hai-bo, HONG Yan, PEI Shan-qiang</i>	(42)
Reliable Routing Algorithms for UAVs Based on Geographic Location Information	<i>YUAN Xue-song</i>	(49)
Ground Penetrating Radar Imaging Algorithm Based on Multi-task Bayesian Compressive Sensing	<i>WU Dong-hui</i>	(54)
Research on the Recognition Method of Table Tennis Swing	<i>ZHANG Xue-feng, CHEN Xue-rui</i>	(62)
A Pilot Study of the Effect of Elm Leaf Crude Extract on PTZ Induced Young Seizure Rats	<i>KONG Shu-zhen, CHENG Lu-yao, ZENG Xiao-hang</i>	(70)
Study on Hydrolysis of Earthworm Protein by Complex Enzyme	<i>XIE Chun-yan, XIONG Xiao-li</i>	(75)
Research on Box Dimension and Numerical Simulations of Recurrent(Piecewise) Affine Fractal Interpolation	<i>YUAN Li-guo, YU Rong-zhong, KUANG Ju-hong</i>	(82)
A Class of Initial Boundary Value Problems for Nonlinear Viscoelastic Equations with Delay Terms	<i>ZHENG Ya-yun, YANG Han</i>	(91)
The Integer Solution of the Diophantine Equations $x+(2n)=y^9(x, y, n \in \mathbf{Z}, 1 \leq n \leq 7)$	<i>CHEN Yi-wei, CHAI Xiang-yang</i>	(98)
The Integer Solution of the Diophantine Equation $x+4^n=y^{11}$	<i>CAI Xiao-qun</i>	(104)
Numerical Simulation Study on the Influence of Fracture Properties on Seepage Characteristics of Soil Slope with Fissures	<i>ZHU Yu-jia</i>	(112)
Exploration on the Measurement of Enterprise Credit Risk Default Based on Class Imbalance: Take Listed Manufacturing Companies as an Example	<i>GUO Chang</i>	(119)
Quantile Regression Estimation of Per Capita Disposable Income and Consumption of Urban and Rural Residents in Chongqing	<i>ZUO Si-jing, YANG Yi-ping</i>	(128)