

南京师范大学学报

工程技术版

2021 年 9 月 第 21 卷第 3 期(总第 83 期)

目 录

动力工程及工程热物理

热泵型干燥室气流组织综述

..... 冯艳珍,赵娟,耿云,夏天,王永华,牛宝联,张忠斌(1)

电气工程

双忆阻 Shinriki 振荡器超级多稳态重构及其电路实现

..... 郑宏亮,闵富红,张雯,曹保国(10)

基于进化差分算法的整流二极管高频特性建模

..... 张成,孙逸群,周孟夏,刘兴发,颜伟,裴亚康,王安(22)

信息与通信工程

屏蔽线缆的接地仿真研究 朱婷婷,王英浩,庄伟(28)

控制科学与工程

控制方向未知的非线性系统有限时间跟踪控制 孟波,刘文慧(33)

一种基于 VINS/FINS 组合导航方法

..... 袁珊,万游,孟佳杰,汪雨婷,钱伟行,古翠红(42)

计算机科学与技术

基于改进遗传算法的机器人路径规划方法

..... 汤云峰,赵静,谢非,李鑫煌,林智昌,刘益剑(49)

化学工程与技术

多级萃取回收精对苯二甲酸精制废水中对甲基苯甲酸的模拟研究 殷孝谦,何摇岳(56)

农业工程

巨鲟(*Bagarius yarrelli*)全基因组微卫星分布特征分析

..... 杨汶珊,唐荣叶,苏孟园,徐杰杰,王涛,尹绍武(62)

环境科学与工程

$\text{Bi}_4\text{MoO}_9/\text{g-C}_3\text{N}_4$ 复合材料的合成及光催化性能研究

..... 孙垒垒,谷心悦,郑小妮,赖嘉豪,杨静,崔世海(69)

管理科学与工程

杭州西湖风景名胜区客流波动特征及景点发展模式划分

..... 邵海雁,靳诚,钟业喜,冯兴华(77)

综合能源服务业务视角的电网企业充换电业务核心竞争力指标评价体系研究

..... 朱晔,周爱敏,万顺,王堃,朱恺之,李强,胡力文(86)

【期刊基本参数】CN32-1684/T * 2001 * q * A4 * 92 * zh * P * ￥6.00 * 900 * 12 * 2021-09

JOURNAL OF NANJING NORMAL UNIVERSITY

(ENGINEERING AND TECHNOLOGY EDITION)

Vol. 21 No. 3

Sept, 2021

CONTENTS

Power Engineering and Engineering Thermophysics

Airflow Organization and Management in Heat Pump Dryer; a Review

..... Feng Yanzhen, Zhao Juan, Geng Yun, Xia Tian, Wang Yonghua, Niu Baolian, Zhang Zhongbin (1)

Electrical Engineering

Extreme Multistability Reconstruction of Two-Memristor Based Shinriki Oscillator and Digital Circuit Experiment

..... Zheng Hongliang, Min Fuhong, Zhang Wen, Cao Baoguo (10)

Modeling of High Frequency Characteristics of Rectifier Diodes Based on Differential Evolution Algorithm

..... Zhang Cheng, Sun Yiqun, Zhou Mengxia, Liu Xingfa, Yan Wei, Pei Yakang, Wang Yongan (22)

Information and Communication Engineering

Research on Grounding Simulation of Shielded Cable Zhu Tingting, Wang Yinghao, Zhuang Wei (28)

Control Science and Engineering

Finite-time Tracking Control of Nonlinear Systems with Unknown Control Directions Meng Bo, Liu Wenhui (33)

An Integrated Navigation Method Based on VINS/FINS Yuan Shan, Wan You, Meng Jiajie, Wang Yuting, Qian Weixing, Gu Cuihong (42)

Computer Science and Technology

Robot Path Planning Method Based on Improved Genetic Algorithm

..... Tang Yunfeng, Zhao Jing, Xie Fei, Li Xinhua, Lin Zhichang, Liu Yijian (49)

Chemical Engineering and Technology

Simulation of Multistage Extraction to Recover *p*-Toluic Acid from Pure Terephthalic Acid Refined Wastewater Yin Xiaoqian, He Yaoyue (56)

Agricultural Engineering

Analysis of Microsatellite Distribution Characteristics in the Whole Genome of *Bagarius yarrelli*

..... Yang Wenshan, Tang Rongye, Su Mengyuan, Xu Jiejie, Wang Tao, Yin Shaowu (62)

Environmental Science and Engineering

Synthesis and Visible Light Photocatalytic Performance of Bi₄MoO₉/g-C₃N₄ Nanocomposite

..... Sun Leilei, Gu Xinyue, Zheng Xiaoni, Lai Jiahao, Yang Jing, Cui Shihai (69)

Management Science and Engineering

The Fluctuation Characteristics of Tourist Arrivals and Division of Scenic Spots Development Mode in Hangzhou West Lake Scenic Area

..... Shao Haiyan, Jin Cheng, Zhong Yexi, Feng Xinghua (77)

Research on Evaluation System of Core Competence of Power Grid Enterprises under Exclusive electric Vehicle Charging and Swap Business from the

Perspective of Integrated Energy Service Business Zhu Ye, Zhou Aimin, Wan Shun, Wang Kun, Zhu Kaizhi, Li Qiang, Hu Liwen (86)

Editor-in-Chief: HU Minqiang; **Executive Editor-in-Chief:** MO Xiangyin; **Executive Editor:** YAN Hailin;

Translation Editor: SI Lianhe