

ISSN 1007-7162
CN 44-1428/T
CODEN GDAXFR



JOURNAL OF GUANGDONG UNIVERSITY OF TECHNOLOGY

廣東工業大學學報

中国 广州
GUANGZHOU CHINA



官网



微信公众号

2020 NO. 1

双月刊

1月 第37卷 总第144期
Jan. Vol.37

廣東工業大學學報

第三十七卷

第一期

二〇二〇年一月

广东工业大学学报

第 37 卷 第 1 期 2020 年 1 月

目 次

· 可拓学与创新方法 ·

可拓创新方法在发电机创新设计中的应用李仔浩, 杨春燕, 李文军 (1)

基于功能建模的多边折弯机规避与创新设计梁 锐, 杨 杰, 龙晓斌, 梁雪梅, 陆 佳, 刘 雄 (7)

· 综合研究 ·

相变材料 / 导热翅片复合热管理系统应用于三元体系锂离子动力电池模组实验研究

.....张江云, 张国庆, 陈炫庄, 甄志诚 (15)

Ca 原子修饰的 $g-C_3N_4$ 增强储氢能力的机理研究

.....杨亿斌, 徐 慎, 宋琦琦, 李泽裔, 黄俊鸿, 王雅婷, 黄 乐 (23)

钨掺杂 NASICON 结构红色荧光粉制备和发光性能鲁重瑞, 赵韦人, 廖子锋, 宋静周, 夏梦龙, 杨焕鑫 (27)

基于能量传递可调色度 $ZnNb_2O_6: Dy^{3+}, Eu^{3+}$ 荧光粉的制备及其发光性能研究

.....梁柏鑫, 易双萍, 胡耕樵, 方志雄, 赵韦人 (34)

溶胶-凝胶法制备 $BiFeO_3: Y^{3+}$ 纳米粉末及其光催化性能研究

.....王家奎, 罗 莉, 贡 蕊, 李小芬, 王银海, 张 伟 (42)

生蚝壳作为微生物固化砂土钙源的试验研究梁仕华, 林坚鹏, 牛九格, 冯德奎, 龚 星, 罗庆姿 (48)

钢弹簧浮置板隔振道路的模态分析邹锦华, 陈 伟, 黄龙田, 陈海斌, 李碧坤, 蔡仕晨 (53)

不同加荷方向下横观各向同性饱和粗砂的真三轴试验研究周若洋, 杨雪强, 刘 攀, 郑丽婷, 陈 涛 (58)

湿热地区实验室分功能的新风-补风系统的空调能耗分析陈建润, 刘丽孺, 黄家豪, 刘 琳, 黄志荣 (65)

有机朗肯循环系统工质设计与系统参数的同步优化王羽鹏, 罗向龙, 梁俊伟, 陈健勇, 杨 智, 陈 颖 (69)

无线携能传输协同中继非正交多址接入系统的速率优化设计谭艺枝, 陈宝仁 (81)

多旋翼无人机自主精准降落的控制研究曾振华, 郑汇峰, 祝玉杰, 罗志勇 (87)

法人身份视角下的新型研发机构创新阻碍及对策研究周泽兴, 刘贻新, 张光宇 (95)

本期执行编辑与责任校对: 张玮欣 本期英文审核: 熊荣斌

期刊基本参数: CN 44-1428/T * 1984 * b * A4 * 102 * zh * P * ¥ 10.00 * 1050 * 15 * 2020 - 01

JOURNAL OF GUANGDONG UNIVERSITY OF TECHNOLOGY

Volume 37 Number 1 January 2020

CONTENTS

Extensics and Innovation Methods

- An Application of Extension Innovation Method in Generator Innovation DesignLi Zi-hao, Yang Chun-yan, Li Wen-jun (1)
- Avoidance and Innovation Design of Multilateral Bending Machine Based on Functional Modeling
.....Liang Kai, Yang Jie, Long Xiao-bin, Liang Xue-mei, Lu Jia, Liu Xiong (7)

Comprehensive Studies

- An Experimental Study of Thermal Management System Based on Phase Change Materials Coupled with Low Fins for Ternary Lithium-ion
Power Battery ModuleZhang Jiang-yun, Zhang Guo-qing, Chen Xuan-zhuang, Zhen Zhi-cheng (15)
- The Mechanism of Enhanced Hydrogen Storage by Ca Decorated $g-C_3N_4$
.....Yang Yi-bin, Xu Shen, Song Qi-qi, Li Ze-yi, Huang Jun-hong, Wang Ya-ting, Huang Le (23)
- Preparation and Luminescence Properties of Eu^{3+} Doped NASICON-based Red Phosphors
..... Lu Chong-ru, Zhao Wei-ren, Liao Zi-feng, Song Jing-zhou, Xia Meng-long, Yang Huan-xin (27)
- Synthesis and Luminescence Properties of Multicolor Tunable $ZnNb_2O_6: Dy^{3+}, Eu^{3+}$ Phosphors Based on Energy Transfer
.....Liang Bo-xin, Yi Shuang-ping, Hu Geng-qiao, Fang Zhi-xiong, Zhao Wei-ren (34)
- Synthesis of $BiFeO_3: Y^{3+}$ Nanostructure by Sol-gel Method and Their Photocatalytic Activity
..... Wang Jia-xi, Luo Li, Yun Rui, Li Xiao-fen, Wang Yin-hai, Zhang Wei (42)
- An Experimental Study of Oyster Shell as Calcium Source for Microbial Solidification
.....Liang Shi-hua, Lin Jian-peng, Niu Jiu-ge, Feng De-luan, Gong Xing, Luo Qing-zi (48)
- A Modal Analysis of Vibration Isolation Road with Steel Spring Floating Slab
..... Zou Jin-hua, Chen Wei, Huang Long-tian, Chen Hai-bin, Li Bi-kun, Cai Shi-cheng (53)
- A True Triaxial Test of Saturated Coarse Sand Under Different Loading Directions
..... Zhou Ruo-yang, Yang Xue-qiang, Liu Pan, Zheng Li-ting, Chen Tao (58)
- An Energy Consumption Analysis of Air-conditioning System with Divided Function Fresh Air-Supplementary Air at Laboratories in Hot
and Humid Areas Chen Jian-run, Liu Li-ru, Huang Jia-hao, Liu Lin, Huang Zhi-rong (65)
- A Simultaneous Optimization of Working Fluid Design and System Parameters in Organic Rankine Cycle
.....Wang Yu-peng, Luo Xiang-long, Liang Jun-wei, Chen Jian-yong, Yang Zhi, Chen Ying (69)
- A Rate Optimization Design of the Cooperative Relaying System Using NOMA with Wireless Power Transfer
..... Tan Yi-zhi, Chen Bao-ren (81)
- A Research on Control System of Multi-rotor UAV Self-precision Landing
.....Zeng Zhen-hua, Zheng Hui-feng, Zhu Yu-Jie, Luo Zhi-Yong (87)
- The Innovation Impediment and Solutions to the New-Pattern R&D Institution from the Perspective of Legal Person
..... Zhou Ze-xing, Liu Yi-xin, Zhang Guang-yu (95)