

目 次

研究论文

- 济南市居住区绿化植物生态效能综合评价研究 鲁敏,孔亚菲,徐杨,王云龙(409)
- 强震下斜交简支梁桥落梁及挡块破坏模式研究 亓兴军,孙庆凯,曹三鹏(416)
- 微生物诱导沉积碳酸钙提高产量的试验研究 贾强,陈晓瀚,孙增斌,邢建(423)
- 火灾后无机胶植筋拉拔试验研究 李树明,陈海强,惠守江,王欣(429)
- 天然岩沥青复合改性沥青性能评价与应用研究 余四新,韦金城,蔡长松,吴立强(435)
- 土壤水分对沙棘光合日变化的影响 夏宣宣,吴芹,张光灿,邢伟(441)
- 燃气冷热电三联供系统热力学性能研究 杨明亮,田贯三,邢红鹏,周延华(445)
- 物性参数对焊接温度场模拟计算的影响 仇恒国,霍玉双(452)

综述述评

- 沥青胶结料疲劳性能评价的研究进展 王承献,王立志,王鹏(456)
- 三维石墨烯及其复合材料的环境应用研究进展 郭贝贝,孙雪菲,秦静,杨春苗,王曙光(464)

工程实践

- 大型活塞平面 3D 运动姿态检测系统研究 李红民,牛晓光,马玉真,王磊,李斌(471)
- 计及分布式发电配网多目标电压无功优化 石嘉川,张一倩(476)
- 三庆汇德公馆售楼中心设计 丁秀生(481)
- 城市公共立交桥公园设计——以日照市海曲东路与绿舟南路交叉口立交桥为例 赵学强,赵鑫(487)
- 济南发祥巷主题餐厅室内空间环境设计 袁越(494)

教学研究

- 车辆工程专业课程体系改革研究——以山东建筑大学为例 闫法义,吴亚兰,郑忠才,沈宁(500)

其他

- 大数据时代高校档案管理系统建设研究——以山东建筑大学为例 陈明九(506)

CONTENTS

Research papers

Comprehensive evaluation of ecological effect of Jinan residential area greening plants Lu Min, Kong Yafei, Xu Yang, *et al.* (409)

Unseating mode of simply supported skew beam bridge under strong earthquakes Qi Xingjun, Sun Qingkai, Cao Sanpeng(416)

The raising calcite yield experiment for bacteria induced precipitation Jia Qiang, Chen Xiaohan, Sun Zengbin, *et al.* (423)

Experimental study on the inorganic anchorage drawing after fire Li Shuming, Chen Haiqiang, Hui Shoujiang, *et al.* (429)

Performance evaluation and application in highway maintenance project of Gilsonite-SBS compound modified asphalt Yu Sixin, Wei Jincheng, Cai Changsong, *et al.* (435)

Effects of soil moisture on diurnal variation of photosynthesis in *Hippophae rhamnoides* L. Xia Xuanxuan, Wu Qin, Zhang Guangcan, *et al.* (441)

The study of thermodynamic performance of gas CCHP system Yang Mingliang, Tian Guansan, Xing Hongpeng, *et al.* (445)

Effect of physical parameters on numerical calculation of welding temperature field Qiu Hengguo, Huo Yushuang(452)

Reviews

Research progress of evaluation indexes for fatigue performance of asphalt binder Wang Chengxian, Wang Lizhi, Wang Peng(456)

The application of three-dimensional graphene and its composites in environmental fields Guo Beibei, Sun Xuefei, Qin Jing, *et al.* (464)

Engineering practices

Study of the piston moving posture detecting 3D system of large piston plane Li Hongmin, Niu Xiaoguang, Ma Yuzhen, *et al.* (471)

Multi-objective voltage and reactive power optimization in distribution networks with distributed generation Shi Jiachuan, Zhang Yiqian(476)

The sales center design of San Qing Hui De Mansion Ding Xiusheng(481)

Urban public overpass park design: A case study on the overpass at East Haiqu Road and South Lvzhou Road intersection in Rizhao Zhao Xueqiang, Zhao Xin(487)

Application and research of regional culture in modern dining place design: A case study of Jinan City Leisure Theme Restaurant design Yuan Yue(494)

Teaching research

Innovations of curriculum system of vehicle engineering specialty: A case study of Shandong Jianzhu University Yan Fayi, Wu Yalan, Zheng Zhongcai, *et al.* (500)

Other

Research on university archives management system construction in big data era: A case study on Shandong Jianzhu University Chen Mingjiu(506)