

目 次

正丁醇预混合气对直喷柴油燃烧的影响

田 维, 楚云路, 吴学舜, 何文潇, 韩志强 125

柴油机 SCR 系统尿素水溶液的喷雾特性

王 军, 董 彦, 赵 阖, 蔡忆昔, 赵 琛 132

双侧驱动轴向柱塞马达负载启动特性分析

邓海顺, 王海峰, 王庆春, 何士举, 王传礼 139

泵口环圆柱面螺旋槽造型的流体动力特性

陈江龙, 吴远征, 孙冬冬, 陈妙妙, 张培林 145

交通拥堵情况下的多温共配车辆路径优化

徐 梅, 陈淮莉 152

锤爪式捡拾粉碎装置的设计与试验

孙永利, 周福君, 王琨博, 魏 源 159

考虑弯曲位移影响的解析型压杆单元构造

许 晶, 汤丽锋, 王宏志, 曹琼琼, 蒋秀根 167

移动式稻麦秸秆立式环模压块成型机试验

陈树人, 汤明明, 丁锁年, 姚 勇 172

细颗粒物荷电凝并技术研究进展

依成武, 崔 苗, 秦谢勋, 李 珏 179

期刊基本参数:CN 32 - 1668/N * 1980 * b * A4 * 128 * zh * P * ¥28.00 * 1500 * 20 * 2019 - 03 * n

基于动量模型的食品安全事件发现方法

蔡莹, 於跃成, 谷雨, 严长春 184

基于深度学习的农作物病害检测

魏超, 范自柱, 张泓, 王松 190

基于深度网络模型的牛脸检测算法比较

姚礼垚, 熊浩, 钟依健, 刘财兴, 刘汉兴, 高月芳 197

基于深度学习的粮库虫害实时监测预警系统

罗强, 黄睿岚, 朱轶 203

基于混合群智能算法优化 BP 神经网络的粮食产量预测

庄星, 韩飞 209

邻甲氧基苯胺修饰超高交联吸附树脂的合成及其性能

翁明强, 王敏玲, 刘敦舜, 龙雨欣, 吴继业, 袁新华 216

固体酸催化菜籽油酯交换反应与微波耦合特性

张玉, 金光远, 宋睿, 聂国宇 221

PES/MBMI-F51 复合材料的微观形貌与性能

柴铭苗, 陈宇飞, 耿成宝, 郭红缘, 崔巍巍 226

废旧回收沥青路面材料的直剪蠕变试验

殷杰, 涂刚, 王星光, 胡明明 231

青藏高寒地区真实环境冻融作用的量化与统计

司伟, 马骉, 仁乾龙珠, 格桑泽仁, 李宁 237

基于红外光谱图特征峰分析的沥青指标

杨三强, 颜立景, 刘娜, 闫明涛 244

CONTENTS

- Effects of premixed *n*-butanol on combustion of diesel direct injection engine TIAN Wei, CHU Yunlu, WU Xueshun, HE Wenxiao, HAN Zhiqiang(125)
- Spray characteristics of UWS for SCR system in diesel engine WANG Jun, DONG Yan, ZHAO Chuang, CAI Yixi, ZHAO Chen(132)
- Analysis on load startup characteristics of axial piston motor with dual-driving DENG Haishun, WANG Haifeng, WANG Qingchun, HE Shiju, WANG Chuanli(139)
- Hydrodynamic characteristics of cylindrical spiral grooves modeling for pump annular seals CHEN Huilong, WU Yuanzheng, SUN Dongdong, CHEN Miaomiao, ZHANG Peilin(145)
- Optimization of multi-temperature co-distribution vehicle path based on congestion situation XU Mei, CHEN Huaili(152)
- Design and experiment of hammer claw pick-up and smash device SUN Yongli, ZHOU Fujun, WANG Kunbo, WEI Yuan(159)
- Analytical element for compressive bar considering flexural displacement XU Jing, TANG Lifeng, WANG Hongzhi, CAO Qiongqiong, JIANG Xiugen(167)
- Experiment on movable rice and wheat straw briquetting machine with vertical ring die CHEN Shuren, TANG Mingming, DING Suonian, YAO Yong(172)
- Development of fine particulate matter electrical agglomeration technology YI Chengwu, CUI Miao, QIN Xiexun, LI Jue(179)
- Discovery method of food safety incidents based on momentum model CAI Ying, YU Yuecheng, GU Yu, YAN Changchun(184)
- Crop disease detection based on deep learning WEI Chao, FAN Zizhu, ZHANG Hong, WANG Song(190)
- Comparison of cow face detection algorithms based on deep network model YAO Liyao, XIONG Hao, ZHONG Yijian, LIU Caixing, LIU Hanxing, GAO Yuefang(197)
- Real-time monitoring and prewarning system for grain storehouse pests based on deep learning LUO Qiang, HUANG Ruilan, ZHU Yi(203)
- Prediction of grain yield based on BP neural network optimized by hybrid swarm intelligence algorithm ZHUANG Xing, HAN Fei(209)
- Preparation and performance of a novel hypercrosslinked polymeric adsorbent modified by methoy and amine groups WENG Mingqiang, WANG Minling, LIU Dunshun, LONG Yuxin, WU Jiye, YUAN Xinhua(216)
- Transesterification and microwave coupling properties of rapeseed oil catalyzed by solid acid ZHANG Yu, JIN Guangyuan, SONG Rui, NIE Guoyu(221)
- Micro-morphology and properties of PES/MBMI-F51 composites CHAI Mingzhuo, CHEN Yufei, GENG Chengbao, GUO Hongyuan, CUI Weiwei(226)
- Direct shear creep tests on recycled asphalt pavement material YIN Jie, TU Gang, WANG Xingguang, HU Mingming(231)
- Quantification and statistics of site freeze-thaw cycles in Qinghai-Tibet plateau cold region SI Wei, MA Biao, RENQIAN Longzhu, GESANG Zeren, LI Ning(237)
- Asphalt index based on characteristic spectral analysis of infrared spectrum YANG Sanqiang, YAN Lijing, LIU Na, RUN Mingtao(244)