



2020年度重庆市出版专项资金资助期刊

ISSN 1000-582X
CODEN CPAOD4

CHONGQING DAXUE XUEBAO

重庆大学学报

JOURNAL OF
CHONGQING UNIVERSITY



中国 重庆
CHONGQING, CHINA

本刊荣获

- 第一届重庆出版政府奖优秀期刊奖
- 第三届全国“百强报刊”
- 中国国际影响力优秀学术期刊
- 1~5届中国高校精品科技期刊奖
- 中国高校百佳科技期刊
- 中国科技论文在线优秀期刊一等奖
- 重庆市“十佳科技期刊”

12

2021年12月
第44卷 第12期
Vol. 44 No. 12

重庆大学学报

第44卷 第12期 2021年12月

机械工程专题

目 次

内齿圈结构类型柔性及均载与动载特性对比分析

..... 胡升阳,方宗德,徐颖强,沈 瑞 (001)

融合改善型可行性检验模型的换道跟踪方法

..... 向云丰,贺岩松,孔伟伟,陈 健,罗禹贡 (015)

计及路网权值时变特性的全局最优路径规划

..... 黎万洪,胡明辉,陈 龙,饶 坤 (031)

累计正海拔增量对轻型汽油车实际行驶排放试验的影响

..... 邹 杰,杜宝程,岳大俊,陈凌建,徐划龙,张 力 (043)

平台架构概念设计阶段车身结构优化方法

..... 张 峰,段文立,刘杨胜,石荡赫,陈渝祺 (054)

改进 YOLOv3 算法的车辆信息检测

..... 冯加明,储茂祥,杨永辉,巩荣芬 (071)

混合动力汽车自适应等效油耗最低能量管理策略

..... 胡建军,杨 颖,邹玲菠,彭 桃 (080)

雾霾天气车辆检测的改进 YOLOv3 算法

..... 黄开启,刘小荣,钱艳群,黄茂云 (095)

驾驶风格对纯电动汽车能耗的影响

..... 赵佳伟,胡明辉,荣正璧,傅春耘 (103)

基于差分进化算法的 FMS 中机器与 AGV 同时调度方法

..... 伍 乐,宋豫川,吕向飞,雷 琦 (116)

齿轮箱在线故障诊断系统设计及应用

..... 张浩男,张友坤,王 琳,史同杰 (130)

基于改进算法的移动机器人路径规划

..... 谢冲冲,李 莹 (140)

本期执行编辑：张 萍 英文审核：陈 茜 郑 洁

排版制作：重庆紫石东南印务有限公司

期刊基本参数：CN 50-1044/N * 1960 * m * A4 * 148 * zh * P * ¥50.0 * 800 * 12 * 2021-12 * n *

Journal of Chongqing University

Vol.44 No.12 Dec. 2021

Special Issue for Mechanical Engineering

CONTENTS

Analysis and comparison of the flexible and load sharing and dynamic load factor of the type of ring gear

..... HU Shengyang , FANG Zongde , XU Yingqiang , SHEN Rui(001)

Lane-changing trajectory tracking method by integrated modified feasibility test model

..... XIANG Yunfeng , HE Yansong , KONG Weiwei , CHEN Jian , LUO Yugong(015)

Global optimal path planning considering time-varying weight of road network

..... LI Wanrong , HU Minghui , CHEN Long , RAO Kun(031)

Impact of cumulative positive elevation gain on real driving emission test of light-duty gasoline vehicle

..... ZOU Jie , DU Baocheng , YUE Dajun , CHEN Lingjian , XU Hualong , ZHANG Li(043)

Optimization method of vehicle body structure in conceptual design stage of platform architecture

..... ZHANG Feng , DUAN Wenli , LIU Yangsheng , SHI Danghe , CHEN Yuqi(054)

Vehicle information detection based on improved YOLOv3 algorithm

..... FENG Jiaming , CHU Maoxiang , YANG Yonghui , GONG Rongfen(071)

Adaptive equivalent consumption minimization strategy for plug-in hybrid electric vehicle

..... HU Jianjun , YANG Ying , ZOU Lingbo , PENG Tao(080)

Improved YOLOv3 algorithm for vehicle detection in hazy weather

..... HUANG Kaiqi , LIU Xiaorong , QIAN Yanqun , HUANG Maoyun(095)

Effect of driving style on the energy consumption of an electric vehicle

..... ZHAO Jiawei , HU Minghui , RONG Zhengbi , FU Chunyun(103)

An improved differential evolution algorithm for simultaneous scheduling of machines and AGVs in an FMS

..... WU Yue , SONG Yuchuan , LYU Xiangfei , LEI Qi(116)

Design and application of online fault diagnosis system for gear box

..... ZHANG Haonan , ZHANG Youkun , WANG Lin , SHI Tongjie(130)

Path planning of mobile robots based on improved algorithm

..... XIE Chongchong , LI Ying(140)