



ISSN 0577-6686
CODEN CHHKA2

机械工程学报[®]

JOURNAL OF MECHANICAL ENGINEERING



CMES 中国机械工程学会主办

半月刊 | 14 / 2012
第 48 卷

ISSN 0577-6686



9 770577 668125 >

万方数据

机械工程学报

JIXIE GONGCHENG XUEBAO

2012年第48卷第14期 7月20日出版

目次

仪器科学与技术

- 厚梁结构中的超声导波传播与损伤识别.....孙学伟 李富才 苗晓婷等 (1)
- 可见与红外双波段航空侦察相机光机设计.....王平 张国玉 高玉军等 (11)
- 基于新的系统数学模型的三维形貌测量法.....曲学军 宋悦文 王勇等 (17)

材料科学与工程

- 挤压温度对真空吸渗挤压 C_{60}/Mg 复合材料制备工艺的影响.....关俊涛 齐乐华 刘健等 (25)
- 纯铜微锻粗过程尺寸效应的试验研究.....王广春 郑伟 姜华等 (32)
- 轧件不对称滞后变形下动态轧制力建模及仿真研究.....侯东晓 刘浩然 李纪召等 (38)
- 基于弯曲辊轧制的曲面零件连续成形方法.....李明哲 蔡中义 李任君等 (44)
- A356 铝合金半固态浆料电磁搅拌法制备过程的数值模拟.....陶文琰 赵升吨 林文捷 (50)
- 2Cr13 焊接构件埋藏裂纹电磁热止裂及力学性能强化.....付宇明 柴 璇 郑丽娟等 (58)
- 防止铸钢粘砂的黄壤土型砂性能与工艺研究.....桑小龙 朱世根 骆祎岚等 (64)
- 带有扰动副螺棱的单螺杆挤出机内混沌混合.....徐百平 喻慧文 何亮等 (70)
- 内压支撑下薄壁管弯曲变形力学分析.....胡 蓝 苑世剑 (78)
- 面能量对激光-电弧复合焊接焊缝及熔滴过渡的影响.....刘凤德 张 宏 王宇琪等 (84)

运载工程

- 基于随机动态规划的混合动力履带车辆能量管理策略.....邹 洲 陈 锐 侯仕杰等 (91)
- 基于准 $k-\epsilon-v^2/LES$ 模型的汽车外流场数值模拟.....汪怡平 谷正气 邓亚东等 (97)
- 基于接触特征的车-人碰撞事故模型构建与分析.....张晓云 金先龙 柴象海等 (104)
- 考虑路面影响的车辆稳定性控制质心侧偏角动态边界控制.....陈无畏 刘翔宇 黄 鹤等 (112)
- 基于模糊自适应滑模方法的混联式混合动力客车模式切换协调控制.....王 磊 张 勇 舒杰等 (119)
- 基于动态稳定性的汽车侧翻预警.....金智林 张鸿生 马翠贞 (128)

可再生能源与工程热物理

- 车用柴油机瞬态工况的排气颗粒数量.....谭丕强 胡志远 楼狄明 (134)
- 电动汽车热泵空调系统微通道换热器适应性研究.....巫江虹 谢 方 刘超鹏等 (141)
- 三分仓回转式空气预热器泄漏和传热耦合计算.....刘福国 史 昱 (148)

交叉与前沿

- 挖掘机液压流量匹配控制系统特性分析.....杨华勇 刘 伟 徐 兵等 (156)
 - 侧壁式压水室离心泵的压力脉动特性.....张 宁 杨敏官 李 忠等 (164)
 - 两相流离心泵水力输送性能计算分析.....张玉良 李 颖 崔宝玲等 (169)
 - 基于激素调节机制改进型自适应粒子群算法在置换流水车间调度中的应用研究.....顾文斌 唐敦兵 郑 壁等 (177)
 - 基于模糊层次分析法的产品可用性评价方法.....李永锋 朱丽萍 (183)
 - 结构凸集-概率混合可靠性分析的新方法.....李昆锋 杨自春 孙文彩 (192)
- 《机械工程学报》被 EI 收录论文目次(2011年第 21、22 期)..... (37, 103)

JOURNAL OF MECHANICAL ENGINEERING

Vol.48 No.14 July 2012

CONTENTS

Research on Propagation of Guided Waves in Thick Beam and Crack Damage Identification	SUN Xuewei LI Fucui MIAO Xiaoting et al (1)
Optics and Machine Design of Visible Light and Infrared Dual Spectral Aerial Reconnaissance Camera	WANG Ping ZHANG Guoyu GAO Yujun et al (11)
3D Shape Measurement Method Based on New System Mathematic Model	QU Xuejun SONG Yuewen WANG Yong et al (17)
Effect of Extrusion Temperature on Fabrication of C_{60}/Mg Composite by Extrusion Directly Following Vacuum Pressure Infiltration Process.....	GUAN Juntao QI Lehua LIU Jian et al (25)
Experimental Research on Size Effect of Micro Upsetting of Pure Copper	WANG Guangchun ZHENG Wei JIANG Hua et al (32)
Modeling and Simulation of Dynamically Rolling Force under the Asymmetric Hysteretic Deformation of Workpiece.....	HOU Dongxiao LIU Haoran LI Jizhao et al (38)
Continuous Forming Method for Three-dimensional Surface Parts Based on the Rolling Process Using Bended Roll.....	LI Mingzhe CAI Zhongyi LI Renjun et al (44)
Numerical Simulation on A356 Aluminum Alloy Semi-solid Slurry Preparation with Electromagnetic Stirring	DAO Vanluu ZHAO Shengdun LIN Wenjie (50)
Embedding Crack Arrest and Mechanical Properties Strengthen of 2Cr13 Welded Component by Electromagnetic Heating.....	FU Yuming CHAI Xuan ZHENG Lijuan et al (58)
Influence of Sintering Behavior of Natural Clay-bonded Sand on Surface Quality of Steel Castings	SANG Xiaolong ZHU Shigen LUO Yilan et al (64)
Chaotic Mixing in Single Screw Extruders with Reciprocating Baffle	XU Baiping YU Huiwen HE Liang et al (70)
Plastic Deformation Analysis of Thin-walled Tube Bending under Internal Pressure	HU Lan YUAN Shijian (78)
Influence of Area Energy for Welding Seam and Droplet Transfer on Hybrid Laser-arc Welding	LIU Fengde ZHANG Hong WANG Yuqi et al (84)
Energy Management Strategy for Hybrid Electric Tracked Vehicle Based on Stochastic Dynamic Programming	ZOU Yuan CHEN Rui HOU Shijie et al (91)
Aerodynamic Simulations of Vehicle by Using the Hybrid Semi $k-\epsilon-v^2/LES$ Model.....	WANG Yiping GU Zhengqi DENG Yadong et al (97)
Modeling and Analysis Method of Vehicle-pedestrian Crash Accidents Based on Contact Characters	ZHANG Xiaoyun JIN Xianlong CHAI Xianghai et al (104)

(下转封三)

(上接第 II 页)

- Research on Side Slip Angle Dynamic Boundary Control for Vehicle Stability Control Considering the Impact of Road Surface..... CHEN Wuwei LIU Xiangyu HUANG He et al (112)
- Mode Transition Control for Series-parallel Hybrid Electric Bus Using Fuzzy Adaptive Sliding Mode Approach WANG Lei ZHANG Yong SHU Jie et al (119)
- Vehicle Rollover Warning Based on Dynamic Stability JIN Zhilin ZHANG Hongsheng MA Cuizhen (128)
- Exhaust Particle Number of Vehicle Diesel Engine during Transient Operating Conditions TAN Piqiang HU Zhiyuan LOU Diming (134)
- Adaptability Research on Micro-channel Heat Exchanger Applied to Heat Pump Air Conditioning System for Electrical Vehicle WU Jianghong XIE Fang LIU Chaopeng et al (141)
- Coupled Gas Leakage and Heat Transfer Modeling in Tri-section Rotary Regenerator and Its Application LIU Fuguo SHI Yu (148)
- Characteristic Analysis of Electro-hydraulic Flow Matching Control System in Hydraulic Excavator YANG Huayong LIU Wei XU Bing et al (156)
- Pressure Pulsation of Centrifugal Pump with Tilt Volute ZHANG Ning YANG Minguan LI Zhong et al (164)
- Computational Analysis of Hydraulic Transmission Performance in Two-phase Flow Centrifugal Pump ZHANG Yuliang LI Yi CUI Baoling et al (169)
- Research on Permutation Flow-shop Scheduling Problem Based on Improved Adaptive Particle Swarm Optimization Algorithm with Hormone Modulation Mechanism GU Wenbin TANG Dunbing ZHENG Kun et al (177)
- Product Usability Evaluation Method Based on Fuzzy Analytic Hierarchy Process LI Yongfeng ZHU Liping (183)
- New Hybrid Convex Model and Probability Reliability Method for Structures LI Kunfeng YANG Zichun SUN Wencan (192)