

目次

内置隔板对微通道内 CH_4/air 预混燃烧特性的影响

潘剑锋, 查正乾, 卢青波, 邵霞, 卢志刚 373

燃气轮机旋流通道小孔射流问题的大涡模拟

王平, 余倩, 王宝同, 徐亮 377

基于滑模控制的智能车辆集群运动控制方法

江浩斌, 曹福贵, 朱畏畏 385

新型两轴驱动混合动力汽车动力系统设计

郑晨飞, 田韶鹏 391

某 SUV 车内低速轰鸣的分析与优化

袁守利, 尹凡, 刘志恩 397

基于二阶 Thevenin 模型的锂电池建模仿真

闫回想, 甘小燕, 武鸿辉, 刘岸晖 403

基于图像校正技术的大豆病害自动诊断模型

关海鸥, 刘梦, 马晓丹 409

基于正则表达式融合语义的农产品自动识别方法

芦兵, 孙俊, 许晓东 414

窄带滤光片设计中敏感度的影响因素

侯海港, 刘桂武, 邵海成, 王明松, 乔冠军 420

基于机器视觉的树脂镜片水印疵病检测	孙 力, 刘 晨, 姚红兵	425
基于双目立体视觉测量数据的空间圆拟合方法对比	刘仰川, 唐玉国, 高 欣	431
基于反推算法的 6 相感应电动机新型矢量控制	包广清, 张继龙, 张小龙, 李小东	438
一种低速定子无铁芯 AFPMSG 的性能参数分析	朱 军, 李少龙, 宋丹丹, 韩巧丽, 李光华	445
空间航天器用动力吸振器设计与试验验证	赵亚平, 徐振邦, 夏明一, 贺 帅, 秦 超	453
新型 N,S 共掺杂碳量子点的制备及其性能	卢 庆, 王 丽, 梁国熙	459
基于高速风洞的 3 种航空喷头雾化效果评价分析	陆 枫, 茹 煜, 陈京元, 周宏平, 查玉平, 李宗飞	465
地表深孔注浆对毗邻基坑建筑保护作用分析	王亚君, 武 科, 于雅琳	471
露出型钢柱脚低多层钢框架结构动力响应机理	包恩和, 王天成, 孙凌云	478
基于 VOF 方法的砂土液化后流动变形分析	周恩全, 朱晓冬, 陆建飞, 左 熹, 王炳辉	485
基于正交试验的泡沫沥青的发泡性能	郭寅川, 赵 宾, 李 鹏, 申爱琴, 步金鑫	492

CONTENTS

Effect of partitions on premixed CH₄/air combustion characteristics in micro channels
..... PAN Jianfeng, ZHA Zhengqian, LU Qingbo, SHAO Xia, LU Zhigang(373)

Large eddy simulation of small hole jet flow inside swirl channel of gas turbine
..... WANG Ping, YU Qian, WANG Baotong, XU Liang(377)

Control method of intelligent vehicles cluster motion based on SMC
..... JIANG Haobin, CAO Fugui, ZHU Weiwei(385)

Design of dynamic system for new type two-axis drive hybrid electric vehicle
..... ZHENG Chenfei, TIAN Shaopeng(391)

Analysis and optimization of low-speed roar in a certain SUV
..... YUAN Shouli, YIN Fan, LIU Zhien(397)

Modeling and simulation of lithium battery based on second order Thevenin model
..... YAN Huixiang, GAN Xiaoyan, WU Honghui, LIU Anhui(403)

Automatic soybean disease diagnosis model based on image correction technology
..... GUAN Haiou, LIU Meng, MA Xiaodan(409)

Automatic recognition of agricultural products based on fusion semantics of regular expression
..... LU Bing, SUN Jun, XU Xiaodong(414)

Influence factors on sensitivity in design of narrow band-pass filter band
..... HOU Haigang, LIU Guiwu, SHAO Haicheng, WANG Mingsong, QIAO Guanjun(420)

Automatic detection of water-mask for resin glasses by machine vision
..... SUN Li, LIU Chen, YAO Hongbing(425)

Comparison of spatial circle fitting methods based on measuring data collected from binocular
stereo vision system LIU Yangchuan, TANG Yuguo, GAO Xin(431)

A novel vector control of six-phase induction motor based on backstepping control algorithm
..... BAO Guangqing, ZHANG Jilong, ZHANG Xiaolong, LI Xiaodong(438)

Performance parameter analysis of a low speed AFPMSG with stator coreless
..... ZHU Jun, LI Shaolong, SONG Dandan, HAN Qiaoli, LI Guanghua(445)

Design and experimental test of dynamic vibration absorber for space vehicle
..... ZHAO Yaping, XU Zhenbang, XIA Mingyi, HE Shuai, QIN Chao(453)

Synthesis and characterization of N and S co-doped carbon dots
..... LU Qing, WANG Li, LIANG Guoxi(459)

Evaluation and analysis of atomization effect of three kinds of aerial nozzles based on high-speed wind tunnel
..... LU Feng, RU Yu, CHEN Jingyuan, ZHOU Hongping, ZHA Yuping, LI Zongfei(465)

Analysis on protective effect of deep hole grouting from surface on foundation pit and adjacent building
..... WANG Yajun, WU Ke, YU Yalin(471)

Dynamic response mechanism of exposed steel column base in low and multistory steel frame structure
..... BAO Enhe, WANG Tiancheng, SUN Lingyun(478)

Flow deformation analysis of post-liquefaction sand based on VOF method
..... ZHOU Enquan, ZHU Xiaodong, LU Jianfei, ZUO Xi, WANG Binghui(485)

Foaming performance of foamed asphalt based on orthogonal test
..... GUO Yinchuan, ZHAO Bin, LI Peng, SHEN Aiqin, BU Jinxin(492)