重庆大学学报
2012 年(第 35 卷)总目录

第 1 期

风电增速箱输出级齿轮副疲劳寿命有限元分析 …………………………………… 林腾蛟,沈 亮,赵俊渝(001)
数控机床最佳预防维修间隔时间的确定 …………………………………… 申桂香,谷东伟,张英芝,王志琼,郑 珊(007)
大功率条件下蜂窝状冷凝板激光焊接变形的控制 …………………………………… 罗 键,张海伟,刘德佳,吴治娟,尹登科(011)
湿式离合器磨合过程的多重分形谱预测 …………………………………… 张志刚,石晓辉,邹喜红,安丕孚(018)
数控系统软件故障定位技术 …………………………………… 袁修华,王义强,胡艳娟,赵宏伟(024)
齿轮故障的最优 Gabor 窗谱检测法 …………………………………… 柏 林,彭春阳,杨冠琼(029)
简单膨胀腔消声器声学特性的内部结构拓扑优化 …………………………………… 刘嘉敏,黄虹溥,孙小园(034)
油液减振器空化异响成因分析 …………………………………… 王盛学,李著信,舒红宇,宋志强(039)
工业循环水高频电磁场阻垢机制和试验分析 …………………………………… 何 为,王 博(045)
降雨对棒—板(棒—棒)空气间隙交流放电特性的影响 …………………………………… 蒋兴良,奚思建,刘 伟,袁 耀,杜 勇,肖丹华(052)
应用人脸姿态估计实现人机信息交互 …………………………………… 毛玉星,于燕来,韩倍涛,徐少志,成华安(059)
金属零部件漏装检测的电磁感应方法 …………………………………… 张占龙,江 川,张 玺,司瑞琪(065)
焊接对热轧 H 型钢高应变低周疲劳行为的影响 …………………………………… 盛光敏,林振郎,樊良中,吴结才,龚庆华(070)
描述底吹氩钢包内钢液混合效果的特征数方程 …………………………………… 韩建军,李士琦,吴 龙(076)
高硫铝土矿微波焙烧预处理 …………………………………… 张念炳,白晨光,邓青宇(081)
泥对掺聚羧酸减水剂的水泥浆体分散性的影响 …………………………………… 李有光,李 苑,万 煜,邓 成,王 智,钱觉时(086)
混凝土框架结构位移延性与柱曲率延性关系 …………………………………… 周 靖,方小丹(093)
山体滑坡监测的 RSSI 定位改进算法 …………………………………… 卿晓霞,李文田,王 波(099)
协同增效原理在煤尘抑爆剂中的应用实验 …………………………………… 左前明,程卫民,邹冠贵,汤家轩(105)
阶段性循环载荷对突出煤样渗透特性的影响 …………………………………… 李晓泉,尹光志,蒋长宝,蔡 波(110)
脉冲水射流破岩过程中的应力波效应分析 …………………………………… 卢义玉,张 赛,刘 勇,陆朝晖,蒋林艳(117)
扬水曝气—贫营养生物膜组合技术净化微污染原水中试研究 …………………………………… 黄廷林,魏 巍,王春燕,黄 卓,苏俊峰,智 利(125)
锦屏层状大理岩断裂特征的微细观分析 …………………………………… 赵小平,左建平,裴建良,张 茹(132)
荧光灯光谱、光强对辨别力的影响 …………………………………… 严永红,田 海,关 杨,张明睿,曾恒志(141)

第 2 期

壁面参数对甲烷微尺度催化燃烧的影响 …………………………………… 冉景煜,秦昌雷,吴 晟(001)
SOFC-PEM 联合发电系统的不确定性分析 …………………………………… 杨 晨,谭玲君(010)
图上正则化的图像分割方法 …………………………………… 曾孝平,成可立,刘国金(017)
电网频率崩溃的可靠性评估模型 …………………………………… 芦晶晶,沈 力,李柏青,赵 渊,吴小平(022)
深埋隧道填充型溶腔溃水机制及风险识别 …………………………………… 刘新荣,张旭东,黄 明,李晓红(028)
三维编队飞行模型建立及自适应鲁棒控制 …………………………………… 李 斌,王 强,柴 毅,冯云昊,杜 柳(035)
协同工作模式下飞机总体布置设计过程建模 …………………………………… 王 凯,刘毅,李文正(041)
大型双曲冷却塔的自振特性 …………………………………… 沈国辉,王宁博,孙炳楠,楼文娟(047)
异构传感器网络成本最优节点部署机制 …………………………………… 李 明,石为人(055)
柴油替代燃料着火过程的动力学特性 …………………………………… 王 峰,郑朝蕾,何祖威,张庆峰,王 迎,李 燕(060)
恶意代码的符号执行树分析方法 …………………………………… 钟金鑫, 魏更宇, 安 靖, 杨义先(065)
有效的多协议攻击自动化检测系统 …………………………………… 杨元原,马文平,刘维博,张笑笑(071)
三维电阻抗成像系统激励模式仿真分析 …………………………………… 李 冰,何 为,何传红,徐 征,张占龙(078)
齿轮传动非线性动力学键合图建模研究 …………………………………… 唐进元,陈海锋(087)
测量仪器校准间隔的滚动灰色自助融合预测 …………………………………… 孙 群,赵 颖,潘全科(092)
改进极坐标的频域图像配准算法 …………………………………… 郭永彩,何卫华,高 潮(098)
辊式磨平均曲面辊压计算方法 …………………………………… 杜 波,陈世教,秦大同,吴益晓,林毓培(105)
天然气混合动力城市客车动力系统的设计与开发 …………………………………… 舒红宇,王 锟,陈齐平,田 野,代幼文(112)
长货跨装挂车公路弯道路径建模与动态仿真 …………………………………… 程 博,杨 育,罗 雄,李 斐(118)
混合高斯过程回归模型在铁水硅含量预报中的应用 …………………………………… 任江洪,陈 韬,曹长修(123)
中小型滑坡隐患点状态判别分析法及结果分析 …………………………………… 吴 越,陆 新,刘东升,朱建凯(128)
地震中结构碰撞的接触单元模型的改进算法 …………………………………… 刘 鹏,郑凯锋,何 伟,刘 会(135)

Her 变换的数字水印算法 …… 王立鹏(143)
差分变异本质粒子群的模糊熵图像分割 …… 张 伟(149)

第 3 期

平面内齿轮包络凸环面蜗杆传动啮合性能分析 …… 陈永洪,张光辉,陈兵奎,罗文军(001)
插电式混合动力汽车硬件在环测试 …… 叶 明,舒 红,刘永刚(008)
热态重轨表面缺陷在线检测方法及关键技术 …… 谢志江,陈 涛,楚红雨,刘 琴(014)
特征系统实现算法的虚假模态剔除方法 …… 章国稳,汤宝平,潘 飞(020)
偏心电主轴动力学分析 …… 陈小安,陈文曲,康辉民,合 烨(026)
面向产品族配置的约束网络模型及配置方法 …… 董元发,郭 钢,付 豪,孙 敏(033)
血浆絮状物无损检测系统设计 …… 陈里里,廖 强,杨正书,胡 雪,张国珍(040)
表面缺陷对 7075 铝合金阳极氧化膜的影响 …… 黄志涛,田文怀(047)
AZ80 镁合金热塑性稳定变形工艺参数识别 …… 权国政,王 阳,李贵胜,石 彧,周 杰(052)
炼钢—连铸—热轧一体化批量计划编制模型及实现 …… 刘 怡,郑 忠,陈 开,高小强(060)
某重型卡车前轴成形辊锻工艺设计与优化 …… 周 杰,柳 豪,刘旭光,万煦义,佘科能(067)
配电变电站典型接线的可靠性非同调元件辨识 …… 纪 静,谢开贵,曹 侃,胡 博(074)
基于全相位 FFT 时移相位差的电网间谐波检测 …… 汪小平,黄香梅(081)
全桥 LLC 串联谐振 X 光机高压直流电源 …… 唐治德,张正茂,杨 红,杨 冰,舒志强(085)
逆向诊断劣质绝缘子的快速优化算法分析 …… 张占龙,彭孟杰,李德文,周 军,唐 炬,范康林(092)
自适应滤波器在提高持续正弦信号采样精度中的应用 …… 尹 刚,司瑞琦,李长明(098)
循环载荷作用下突出煤力学性质演化分析 …… 赵洪宝,尹光志(103)
含瓦斯煤体破坏过程中 AE 序列关联维数演化分析 …… 刘延保,曹树刚,李 勇,郭 平,张遵国(108)
微重力环境下横向旋转磁场对热表面张力流的影响 …… 姚丽萍,曾 忠,张永祥(115)
高压喷雾射流雾化及水雾捕尘机理的拓展理论分析 …… 周 刚,程卫民,聂 文,王 刚(121)
不同制备方法对 Fe^{3+}/TiO_2 光催化剂活性的影响 …… 吉芳英,何 莉,赵 易,徐 璇,王晓东(127)
住宅建筑气候适应性通风调控方法 …… 喻 伟,李百战,赵温江,陈金华,刘 猛(133)
卫生热水蓄热方式对地埋管换热性能的影响分析 …… 王 勇,唐 曦(140)
1,4—丁二醇蒸馏底物的回收工艺 …… 魏顺安,王 攀,董立春,谭世语,尤新强,杨 楠(147)

第 4 期

汽油机歧管式催化转化器流固耦合热应力分析 …… 李以农,王 雷,柳承峰,宗德媛(001)
磷酸铁锂电池组的均衡充电研究与应用分析 …… 胡银全,刘和平,刘 平,张 毅(007)
以消息总线实现通信的测试系统架构 …… 赵 玲,姚金宝,娄 路,王 见(013)
均匀场域中工频电场畸变效应分析 …… 张占龙,胡 平,李敬雄,彭孟杰,周 军,黄 嵩,唐 炬(019)
利用惯性比例阀增强电动公交车制动能回收力 …… 赵国柱,魏民祥,李玉芳(026)
卟啉传感阵列图像特征值自动提取方法 …… 罗小刚,汪德暖,侯长军,霍丹群(033)
外层型人工视网膜中 CMOS 感应无线电能接收电路 …… 王 星,彭承琳,刘 涛,王 锐,李儒章,郑小林,侯文生(040)
氨喷雾相变冷却换热面温度分布特性 …… 陈 蓉,王 宏,余勇胜,周 劲,朱 恂,廖 强,杨宝海(046)
钢骨—钢管混凝土柱偏心受压力学性能试验 …… 刘立平,李英民,夏洪流,胡艳飞,杨 溥,吕 晖(052)
均流装置对垃圾焚烧烟气喷雾干燥净化影响 …… 臧仁德,张 力,蒲 舸(059)
弦支穹顶索撑节点滑移性能试验 …… 罗永峰,王 飞,倪建公,许立新(065)
粒子滤波和 ANFIS 级联滤波的去噪技术 …… 刘 宇,曾燎燎,路永乐,黎蕾蕾,潘英俊(072)
碱金属热电转换的多孔芯内热质传输特性 …… 吴双应,曹宝喜,肖 兰,李友荣(077)
地面保护目标相对危险度确定算法设计及应用 …… 何京江,柴毅,魏洪波,王强(083)
QRS 波群检测中的二次 B 样条小波变换算法 …… 张思杰,汪振兴,张健,曾孝平,彭承琳,郭兴明(088)
用复方向滤波器组和 BlockShrink 方法实现图像去噪 …… 葛 垚,朱庆生,周明强(094)
数据驱动的在线 MW-MSPCA 故障诊断 …… 胡友强,余 嘉,李鹏华(100)
层叠式并行图像 Hash 函数的结构及其算法实现 …… 周 庆,张燕贞(107)
双门限相对距离加权协同频谱感知算法 …… 冯文江,孟器宇,秦春玲,宋 麟(112)
无双线性对的基于无证书的移动 IP 注册协议 …… 张曼君,裴昌幸,党岚君(117)
利用空载波的 OFDM 系统的 IQ 误差盲估计方法 …… 许炜阳,吴皓威(123)
利用故障方向信息的差动式微电网保护 …… 周念成,黄 睿,王睿晗,冉 彪(128)
高比例甲醇汽油车用控制系统 …… 杨 帆,张 珺,胡佩锋(133)

第 5 期

船用齿轮箱刚度分析与实验 ……… 刘明勇,朱才朝,杜雪松,徐向阳,刘伟辉,宁 杰,曹建新(001)
免疫遗传优化Elman神经网络的旋转机械故障诊断 ……… 陈法法,汤宝平,黄庆卿(007)
汽油机连续可变进气凸轮轴相位策略的数值模拟 ……… 张 力,尚会超,袁志强,马 为,付秋波,陈明飞(014)
多功能摊铺机振捣压实机构动力学仿真 ……… 罗文军,罗天洪,甘信富(022)
装备类产品外协件协同制造过程及资源匹配模式 ……… 郭 钢,沈 磊,杨联星,徐建萍(029)
高炉故障诊断本体构建方法实证分析 ……… 陈国荣,鄢 萍,陈燕华,施金良,邓菊丽(035)
多种子点提取三角网格特征轮廓的方法 ……… 唐先智,杨刚生,刘 飞(040)
AZ40镁合金的腐蚀图像识别及腐蚀行为分析 ……… 刘立平,李凌杰,雷惊雷,贺东海,李芳君,张胜涛,潘复生(047)
BP神经网络和遗传算法用于曲轴填充性能的优化设计 ……… 周 杰,卢先正,舒锐志,凌 君(052)
Taylor级数多极边界元法及其在轧制工程中的应用 ……… 陈泽军,肖 宏(057)
碱—矿渣水泥砂浆的干缩特性 ……… 陈 科,杨长辉,潘 群,赵 爽,于泽东(064)
基于顶层油温的变压器绕组热点温度计算改进模型 ……… 陈伟根,苏小平,周 渠,潘 翀,谢 波(069)
光谱重叠峰的曲线拟合解析策略与实现 ……… 胡耀垓,张晓星,赵正予,冯 波(076)
上肢动脉系统的三段式电网络建模与仿真 ……… 何 为,肖汉光,刘兴华(083)
低压环形微网的分层控制方式 ……… 周念成,吴健雄,付鹏武,王强钢(089)
尾矿粗细颗粒分层结构体的力学特性分析 ……… 张千贵,尹光志,周永昆,敬小非,蒋长宝(097)
能源地下储库造腔期流场相似实验 ……… 任 松,陈 结,姜德义,杨春和,刘 春(103)
基质收缩效应对含瓦斯煤渗流影响的实验分析 ……… 彭守建,许 江,尹光志,蒋长宝,杨红伟(109)
考虑孔洞沟通性的碳酸盐岩储层应力敏感性实验 ……… 李 松,康毅力,李大奇,游利军,闫丰明(115)
层次分析结合模糊数学法评价电镀企业清洁生产潜力 ……… 熊文强,尹 刚,王丽丽(121)
硐室型矿井风流调控技术 ……… 王海宁(126)
大型钾盐结晶器结构强度模态分析 ……… 李 浩,袁雪冬(132)
两种植被屋面降雨期间调峰控污效能分析 ……… 王书敏,何 强,孙兴福,王振涛(137)
三峡水库澎溪河(小江)回水区一维水动力特征分析 ……… 李 哲,郭劲松,方 芳,龙 曼,刘智萍,高 旭(143)

第 6 期

混合动力汽车实时远程监控系统的开发 ……… 杨亚联,郑 杨,宋安兴,陆 通(001)
具有随机干扰的车辆座椅悬架系统的鲁棒H_∞控制 ……… 杨成云,浮 洁,余 淼(009)
利用顶点预测方法实现三维网格的保形简化 ……… 段黎明,吴志芳,张 霞(015)
企业协同生产网络的拓扑特性分析 ……… 张 峰,杨 育,贾建国,王家天(021)
考虑坡度影响的车辆行驶动力学建模与仿真 ……… 邓 涛,孙冬野,胡丰宾,罗 勇(028)
支持向量机在航空兵部队油料消耗量预测中的应用 ……… 樊 荣,朱才朝,陆思锡,罗家元(038)
速度相关摩擦力条件下曲面接触问题有限元分析 ……… 唐进元,周 炜,陈思雨(043)
汽车不均匀线束串扰特性预测的改进方法 ……… 李永明,杨 娜,郑亚利,汪泉弟,俞集辉,郑春旭(048)
过冷流动沸腾汽泡凝结变形及流场特性的数值模拟 ……… 潘良明,谭智威(053)
二异丁烯均质压燃着火与燃烧特性分析 ……… 郑朝蕾,张庆峰,何祖威,王 迎(058)
污泥龄对活性污泥处理微量磺胺类药物的影响 ……… 杨程,郭劲松,Belinda S. M. Sturm,Rachael F. Lane,Craig D. Adams,Ray E. Carter(063)
高应力下脆性岩石卸荷力学特性及数值模拟 ……… 黄 达,谭 清,黄润秋(072)
多尺度聚丙烯纤维混凝土单轴拉伸试验 ……… 梁宁慧,刘新荣,孙 霁(080)
煤改低浓度煤层气锅炉的燃烧及NO_x排放特性 ……… 陈艳容,张 力,闫云飞,张代生(085)
隧道穿越高烈度地震区断层带围岩地震响应分析 ……… 李 林,何 川,耿 萍,曹东杰(092)
面向应急疏散的山区特征路网通路分析 ……… 宋永朝,潘晓东,梁乃兴(099)
求解ICPT电源规划问题的改进混合蛙跳算法 ……… 杨芳勋,孙 跃,夏晨阳(105)
局部C-V主动轮廓模型快速图像分割算法 ……… 朱 雷,杨 璟,黄席樾(112)
视觉与标签信息的Deep Web查询页面内容提取 ……… 冯 永,唐 黎(117)
超球体支持向量机的不完全二叉树多类分类算法 ……… 黄扬帆,张慧敏,徐子航,曹鹏程(125)
CDMA移动通信系统中基于分组的DBF-MUD ……… 曾 浩,郑 芳,刘 玲(129)
二级倒立摆UD2UU的仿人智能控制分析 ……… 但远宏,李祖枢,张小川,谭 智(134)
贝叶斯模型比较的多模型组合框架在软测量建模中的应用 ……… 韩 露,任江洪,黄毅卿(141)
RS-UM信息系统安全保障评估模型 ……… 张雪芹,江常青,徐萃华,林家骏(147)

第 7 期

轮毂电机嵌入式电磁驻车制动设计与仿真 ……… 陈齐平,舒红宇,瞿飞俊,谢 鑫,谢安源(001)
粒子群优化的多尺度形态滤波器消噪方法 ……… 董绍江,汤宝平,陈法法(007)

混联式混合动力客车发动机优化控制策略 …………………………………………… 林歆悠，孙冬野，尹燕莉，郝允志(013)
汽车 ESC 系统主环—伺服环分层结构控制策略 ………………………………………… 张 为，王伟达，丁能根，李春里(019)
新型双螺杆捏合机流场动力学特性数值模拟 ………………………………………………… 魏 静，孙旭建，孙 伟(025)
溢流阀环形槽抗气穴性能分析及优化设计 ……………………………… 刘顺安，杨 嵩，陈延礼，胡卫国，谢丹彤，赵 伟(032)
盾构机多级行星减速器箱体模态分析与试验 …………………………………………… 肖正明，秦大同，武文辉，周志刚(037)
渐开线内啮合圆柱齿轮副的回差控制与补偿 …………………………………………… 李俊阳，王家序，肖 科，刘 强(043)
大口径光栅拼接装置的微振动响应分析 ………………………………… 周 忆，廖云飞，刘有海，罗跃飞，王 逍，周 海(049)
抑制局部放电混合干扰的浮阈值量化算法 ………………………………………… 唐 炬，吴冕之，李 伟，周加斌，张晓星(054)
考虑薄弱支路功率约束的静态电压稳定预防控制 ………………………………………… 颜 伟，户秀琼，余 娟，李文沅(061)
AZ31 镁合金表面纳米陶瓷涂层的组织与力学性能分析…………………………………………………… 高正源，潘复生(067)
氮含量对 SWRH82B 盘条组织和性能的影响 ……………………… 盛光敏，吴莉莉，邓永强，魏福龙，李正嵩，张东升，杨茂麟(072)
金属薄壁圆管内翻口过程中应力与变形的解析 ………………………………………………………………… 牛卫中(077)
DFT/B3LYP 方法探索 $C_6H_5(CH_3)_2SiOH$ 的结构和化学键特性 ……………………… 张正富，余秋雁，伍 林，孙力军，彭金辉(083)
中线法尾矿坝地下渗流场的数值模拟 ………………………………………………………… 魏作安，陈宇龙，李广治(089)
抗滑桩抗滑阻力的优化计算方法 …………………………………………………………………… 万 玲，吴 剑，魏作安(094)
混凝土裂缝扩展单元能量演变分析 ……………………………………………………………………………… 黄耀英，郑 宏(099)
盐穴建造期夹层与卤水运移相互作用机理分析……………………………… 陈 结，姜德义，刘 春，邱华富，杜 超，郭 平(107)
含瓦斯煤体渗透率与煤体结构关系的实验 ………………………………………………………… 吕闰生，彭苏萍，徐延勇(114)
三维空间传统方法资源储量可视化动态估算及应用 …………………………………………… 陈国旭，张夏林，田宜平，吴冲龙(119)
羊毛纤维填料对炔雌醇的吸附及在污水深度处理中的作用 ……………………………… 阳 春，胡碧波，Andrew Wheatley(127)
能耗实时监测的数据挖掘方法 ……………………………………………………………………… 卿晓霞，肖 丹，王 波(133)
新建人工湖沉积物磷形态分布及其影响因素实验 ……………………… 范功端，张 智，任丽平，罗 静，向 平，杨冬雪(138)

第 8 期

车载雨刮电机电磁辐射干扰仿真模型 ………………………………………… 汪泉弟，尹华平 ，郑亚利，刘青松，李 旭(001)
有限容积的湖水源热泵冬季供暖运行分析 ………………………………………………………… 童明伟，秦增虎，张二峰(006)
山岭隧道初期支护安全性综合评判方法 ……………………………… 张永兴，杨 超，黄 达，高世军，刘小军，娄 勇(011)
羰基铁粉的 C 含量对磁流变弹性体磁流变效应的影响 ……………………………………………… 居本祥，余 淼，浮 洁(017)
低 Gd 含量 Mg-Gd-Y-Zr-Zn 镁合金组织及性能 ……………………………… 饶劲松，薛寒松，张丁非，陈祖权，邵兴洲(022)
大跨度 CFRP 缆索悬索桥的静力性能 ………………………………………………………………………………… 李 扬(026)
等价划分策略的混沌克隆优化算法 ……………………………………………………………… 舒万能，丁立新，徐兴东(034)
FPGA 的 Linux 口令密码高速破解模型设计 ………………………………………………… 韩津生，林家骏，周文锦，叶建武(042)
交错轴渐开线变厚齿轮传动节圆锥设计………………………………………… 宋朝省，朱才朝，刘立斌，宁 杰，刘伟辉(048)
动力指纹线方法在车桥共振分析中的应用 ………………………………………………………… 张 田，夏 禾，郭薇薇(054)
DWT-DCT-QR 结合的音频盲水印算法 …………………………………………………… 杨 榆，雷 敏，钮心忻，杨义先(062)
用于视觉恢复的高性能光电转换阵列设计 ………………………………………………………… 孙康明，袁祥辉，孟丽娅(067)
污水处理过程的 QSOM 出水水质预报 …………………………………………………… 李鹏华，柴毅，熊庆宇，柴 华(072)
天山北坡经济带风能的区域分布及开发潜力估算 …………………………………………… 郭洪旭，赵黛青，黄 莹，蔡国田(080)
Logistic 映射控制的安全算术编码及其在图像加密中的应用 ……………………………………………… 代才莉，包万宇(087)
集成化服务链多目标全局优化模型与算法 …………………………………………………………… 吴映波，王 旭，刘 昕(092)
无线传感器网络中改进的 HEED 分簇算法 ……………………………………………………… 杨梦宁，杨 丹，黄 超(101)
带柔性工艺的多品种批量生产投产计划仿真优化 ……………………………………………… 曾 强，沈 玲，杨 育，孙 健(107)
船舶浅水操纵性能的数值仿真…………………………………………………………… 蔡 创，蔡新永，赵传波，陈 敏(116)
非正弦周期信号的电网功率测量方法 ………………………………………………………………………… 康 丽，王洪亮(122)
后验概率加权的模糊隶属度函数 ……………………………………………………………………… 魏 延，李晓虹，邬 啸(127)
分块 PCA 和奇异值分解相结合的人脸识别算法……………………………………… 印 勇，何文娟，郭之强，郭 攀，徐亦达(134)
LFMCW 雷达距离分辨力的分析及改善……………………………………………………………… 黄扬帆，谭晓衡，王保华(139)
用 SEM 法构建客户感知量化计算 …………………………………………………………………… 赵飞龙，赵 舒，余 轮(144)
ZigBee 网络中基于借地址的高效分布式地址分配算法 ………………………………………… 姚玉坤，陈永超，李鹏翔，任智(151)

第 9 期

纯电动汽车坡道自适应起步控制策略 ……………………………………………………… 陈淑江，秦大同，胡明辉，隗寒冰(001)
机械加工车间数字化制造描述模型及总体框架………………………………………………… 曹 军，尹 超，刘 飞，胡 勇(008)
双目立体视觉空间火灾定位方法的改进………………………………………………………………… 宋 涛，汤宝平，习建民(016)
客户需求驱动的柔性平台功能模块识别方法 ………………………………………………… 李中凯，程志红，杨金勇，丁力平(022)

汽车操纵稳定性可视化仿真技术分析……姜立标，代　攀，陈泽茂(030)
汽车防抱死制动系统应用资源库的开发及其应用……郑太雄，连依萍，邱宝梅(036)
误差随机性对行星齿轮系传动精度的影响特性……王朝兵，陈小安，陈　宏，秦　伟，吴国洋(041)
服务型制造模式下资源服务共享模型设计与分析……郭　钢，杨　娟，张　毅，董元发(048)
EMIS专家管理信息系统的设计与实现……姜　平，谢　辛(056)
含多种形式能源发电的微网状态转换协调控制策略……周念成，胡　斌，王强钢，池　源，徐　韬(061)
线路两相短路故障电流控制的新方法……江　渝，王　恒，郑群英，张志刚，刘和平(070)
接地网故障诊断磁场逆问题求解方法……何　为，史庆岩，杨　帆，张瑞强(080)
指纹与指静脉的特征层动态加权融合识别……杨永明，林坤明，韩凤玲，张祖泷(086)
高频电磁水处理器处理腔的仿真与设计……熊　兰，伍懿美，席朝辉，杨子康，郑家波，何　为(094)
数字多波束逐点聚焦延时参数的压缩算法……王　平，范文政，高　阳，许　琴，何　为(099)
二维方腔内热表面张力流的格子Boltzmann方法模拟……梁功有，曾　忠，姚丽萍，张良奇，邱周华，梅　欢(106)
基于均衡理念的流域污染物排放许可交易……付意成，阮本清，臧文斌(114)
煤与瓦斯突出灾变预警与应急辅助决策……杨守国，唐建新，文光才，康建宁，刘　程(121)
岩盐溶解速率影响因素的实验……姜德义，王春荣，任　松，陈　结，张　艺(126)
利用蚁群算法识别及预测碳酸盐岩裂缝的方法探讨……吴　斌，唐　洪，王素荣，王兴志，徐立明，徐正华(131)
SUFR-UCT系统中一株好氧反硝化菌的鉴定与反硝化性能分析……张　园，罗固源，许晓毅，杨　洋(139)
颗粒物附着有机物的分布及其典型官能团的转化……王磊磊，陈　卫，林　涛(143)
磁流变液在圆管内的压力驱动流动……黄　金，陈　松，麻建坐(152)
可视化仿生鼻对五小香型白酒的识别……罗小刚，张　亚，侯长军，易　彬，霍丹群，赵飞翔(157)

第10期

道路试验条件下商用车驾驶室振动舒适性优化……贺岩松，张军峰，徐中明，曾　佳(001)
机敏约束层阻尼减振板耦合系统有限元模型……曹友强，邓兆祥，王　攀，刘会杰(009)
汽车点火系统EMI产生机理及其抑制方法……杨永明，苏承军，安宗裕，汪泉弟(017)
轧制润滑对H型钢翼缘宽展的影响……赵景云，臧　勇(024)
Zr-4合金管砂带随形磨削实验分析……黄　云，张　磊，黄　智，郭　强(030)
无线智能网络的钢结构疲劳损伤监测……崔定宇，B F Spencer，Jr，辛克贵，刘宇飞(038)
特高压输电塔双角钢组合截面构件的承载力……李正良，孙　波，余　周，杨隆宇，余登科(044)
大跨度中承式拱桥静风稳定性分析……熊　辉，晏致涛，李正英，邓　暖(051)
双密度双树复小波*RH*模型纹理图像检索……尚赵伟，王　杰，李文龙，胡胜雄(057)
图上自适应正则化的图像去噪……刘国金，曾孝平，刘　刈(063)
乙醇胺/多胺的脱碳研究……杜云贵，刘　涛，辜　敏，卢义玉，鲜学福(069)
铁磁构件表层裂纹漏磁场分析及检测系统……廖昌荣，廖　峥，韩　亮，汪滨波，石祥聪，谢云山(076)
柴油机燃烧过程中多环芳香烃的生成机理……王　峰，郑朝蕾，何祖威(085)
具有前景目标的动态场景视频快速稳像算法……何　凯，牟聪翀，远中文，何海龙，邹　刚(093)
采用空气阻力修正的火箭残骸落点算法……何京江，魏志东，董继辉，魏善碧(099)
旁通式烟气循环流化床脱硫特性的数值模拟……唐　强，侯世锋，张晓琴(104)
静态小波域内特征对比度多聚焦图像融合算法……李兆飞，柴　毅，郭茂耘，李华峰(109)
LCL型双向感应电能传输系统建模及控制……李砚玲，孙　跃，戴　欣，周继坤(117)
克服典型病害的新型预应力混凝土空心板梁设计……袁爱民，周元华，戴　航，孙大松(124)
网络控制系统反馈和前向通道的随机时延补偿……付　伟，杨先一，刘国权(130)
带减函数的连续型软件可靠性验证方案……王学成，陆民燕，李海峰，杨日盛(136)
多孔介质方腔内空气热磁对流的数值模拟……姜昌伟，李贺松，陈冬林，石　尔，朱先锋，李　茂(144)
配气阀结构参数对活塞凸轮发动机性能的影响……徐勤超，王树宗，练永庆(152)
正弦均匀磁场激励磁感应成像正问题的棱单元法……何　为，宋晓栋，张晓勇，范昭勇，罗海军，徐　征(159)

第11期

圆柱齿轮齿根三维裂纹扩展分析及寿命预测……林腾蛟，钟　声，沈　亮(001)
施密特平行轴联轴器非线性动态特性分析……朱才朝，王　孟，杜雪松(008)
EEMD滤波的转子轴心轨迹提纯方法……陈仁祥，汤宝平，吕中亮(015)
基于啮合理论的双导程ZN型蜗杆副精确建模……舒林森，曹华军，许　磊，李智勇(021)
无线传感器网络倍增超周期多信道MAC协议……汤宝平，阮启东，裴　勇(028)
威布尔分布随机载荷下齿轮弯曲疲劳试验分析……胡建军，许洪斌，高孝旺，祖世华(034)
改进的粒子群算法在翼型优化设计中的应用……陈　进，汪　泉，李松林，郭小峰(040)

工艺参数对多辊下压式柔性拉形影响的数值模拟……张昊晗，李明哲，付文智，陈雪，冯朋晓(047)
水泥基复合材料氯离子扩散系数与孔隙率之间的关系……高礼雄，孙国文，张云升，孙伟(053)
铸件/铸型热力耦合界面换热系数的稳态法测量……赵建华，宋刚，王亚军，曾礼(062)
基于氧气高炉的烧结矿还原动力学分析……薛庆国，蓝荣宗，王静松，韩毅华，王琳涛(067)
使用CO_2对拜尔法赤泥脱钠的无害化工艺……吴龙，李士琦，沈平(075)
改性粉煤灰基烟气脱汞吸附剂氧化性能分析……许志鹏，刘清才，姚春玲，杨剑，卫敏(081)
考虑生产组织约束的钢铁企业合同计划……芦永明，王丽娜，陈宏志，赵永丽，潘秋娟，薛向荣(086)
指纹图像质量的自动评定……杨永明，张祖泷，韩凤玲，林坤明，孙豪(092)
316L-20G双金属复合管焊缝组织元素扩散分析……范兆廷，张胜涛，殷林亮，刘佳，戴志向(099)
BAC-SBR反应器处理ABS凝聚干燥工段废水……杨利伟，赖波，周岳溪，庞翠翠，廉雨，张胜，周继红(104)
突出瓦斯流与矿井通风系统耦合移动仿真……李宗翔，刘宇，于景晓，贾进章(111)
柠檬酸强化黄铜尾矿的生物浸矿……李东伟，梁志蓉，焦斌权，李斗(117)
一维溃坝波的数值模拟——基于WENO重构的解耦格式……张文忠，陈景秋，张永祥，缪吉伦(122)
基于GIS的地表破碎指数计算……贾兴利，许金良，杨宏志，赵利苹(126)
逐步回归时间序列和RBF-ANN在降水预测中的应用……卢文喜，杨磊磊，杨忠平，辛欣，罗建男，初海波(131)
太湖沉积物重金属的形态特征及生态风险评价……王沛芳，周文明，王超，钱进，侯俊，郑莎莎(136)
低渗油藏压裂水平井生产动态物理模拟……沈瑞，高树生，熊伟，胡志明(144)

第12期

平行轴变齿厚斜齿轮传动接触分析……林超，魏沛堂，朱才朝(001)
变载荷下风力发电机行星齿轮传动系统齿轮-轴承耦合动力学特性……周志刚，秦大同，杨军，陈会涛(007)
不确定条件下外协生产库存系统控制策略与参数优化……曹乐，朱晓锋，刘飞，王海霞(015)
电动摩托车车架结构优化设计……唐倩，杨晓虎，张志飞，毕耀坤(021)
工业CT切片图像直接生成粗加工数控代码……段黎明，郭琰，陈中，陈晓丽(027)
电机宽频等效电路模型的快速建模方法……汪泉弟，孙宏，郑亚利，安宗裕，彭河蒙(034)
有源纹波补偿BUCK型LED驱动电源……唐治德，王官涛，杨红，张正茂，陶凛(040)
智能变电站保护数据模型配置的应用……罗建，马泽菊，黄益华，钟加勇，马世龙(046)
细长坩埚内分离结晶过程中熔体流型的转变……彭岚，张伟，李震(051)
跨临界有机朗肯循环性能分析……高虹，刘朝，贺超，徐肖肖(057)
射流对管道水流压力场的影响……何川，徐浩，李少华，时雯，王延军，王丹(062)
融合构型查找表与邻接查找子表的改进MC方法……王旭初，王赟，牛彦敏，张绍祥，谭立文，晋军(068)
智能金属结构中光纤光栅传感器的无粗化镀膜工艺……方亮，唐安琼，胡佳，殷波，薛生杰，吴俊，刘立，章鹏(078)
新建立交隧道施工对既有隧道影响的模型试验……刘新荣，王吉明，郭子红，林志，裴丽(084)
采用应变能方法定量分析输电塔损伤程度……郭惠勇，薛晓武，李正良，朱汉棠(094)
利用正交Hilbert谱模拟非平稳随机地震动……胡灿阳，陈清军，徐庆阳(100)
衬砌背后矩形空洞对隧道初支应力分析……周成涛，陈俊涛(106)
具有分级感染率的4仓室计算机病毒传播模型……杨茂斌，杨小帆，祝清意，杨橹星(112)
剔除支持向量回归中异常数据算法……曾绍华，魏延，唐远炎(120)
局部匹配的人脸识别方法……何光辉，张太平(133)
无线传感器网络协同定位算法……冯文江，毕晓伟，邓岑，胡幻(139)
非完全信道下认知中继网络中断概率及功率分配……唐伦，李庆，陈前斌，曾孝平(144)
物联网信息传播动力学建模与仿真……艾莉莎，李钢，李峰(149)
短时同频等长信号频率估计的加权融合算法……肖玮，涂亚庆，刘良兵，张海涛(155)

（2012年第35卷卷终）

JOURNAL OF CHONGQING UNIVERSITY
CONTENTS

vol. 35 2012

No. 1

Fatigue life finite element analysis of output gear pair of wind turbine speed-increase gearbox
…… *LIN Tengjiao, SHEN Liang, ZHAO Junyu*(001)

Optimal preventive maintenance interval period of CNC
…… *SHEN Guixiang, GU Dongwei, ZHANG Yingzhi, WANG Zhi-qiong, ZHENG Shan*(007)

The welding deformation control of the cellular ice-maker plate in high-power CO_2 laser welding condition
…… *LUO Jian, ZHANG Haiwei, LIU Dejia, WU Zhijuan, YIN Dengke*(011)

Multifractal spectrum prediction of the running-in process of wet clutch
…… *ZHANG Zhigang, SHI Xiaohui, ZOU Xihong, AN Pifu*(018)

Software fault location of CNC system
…… *YUAN Xiuhua, WANG Yiqiang, HU Yanjuan, ZHAO Hongwei*(024)

The optimized Gabor window spectrum of gear fault diagnosis detection
…… *BO Lin, PENG Chunyang, YANG Guanqiong*(029)

Topology optimization of simple expansion chamber muffler internal configuration for acoustical performance
…… *LIU Jiamin, HUANG Hongpu, SUN Xiaoyuan*(034)

The course analysis of idle stroke abnormal noise of oil shock absorber
…… *WANG Shengxue, LI Zhuxin, SHU Hongyu, SONG Zhiqiang*(039)

Mechanism and experimental analysis on high-frequency electromagnetic anti-fouling for industrial circulating water
…… *HE Wei, WANG Bo*(045)

Influence of rain on AC discharge characteristic of rod-plane(rod-rod) air gap
…… *JIANG Xingliang, XI Sijian, LIU Wei, YUAN Yao, DU Yong, XIAO Danhua*(052)

Human computer interaction with face poses estimation
…… *MAO Yuxing, YU Yanlai, HAN Beitao, XU Shaozhi, CHENG Huaan*(059)

Electromagnetic induction method for detecting neglected loading of metal parts
…… *ZHANG Zhanlong, JIANG Chuan, ZHANG Xi, SI Ruiqi*(065)

Effect of welding on high strain and low cycle fatigue behavior of hot-rolled H-beam
…… *SHENG Guangmin, LIN Zhenye, FAN Liangzhong, WU Jiecai, GONG Qinghua*(070)

Characteristic number equation about describing mixing effect of steel stirred by argon in the ladle
…… *HAN Jianjun, LI Shiqi, WU Long*(076)

Microwave roasting pretreatment of high-sulfur bauxite
…… *ZHANG Nianbing, BAI Chenguang, DENG Qingyu*(081)

Effects of clay on the dispersibility of cement paste mixed with polycarboxylate superplasticizer
…… *LI Youguang, LI Yuan, WAN Yu, DENG Cheng, WANG Zhi, QIAN Jueshi*(086)

Relationship between curvature ductility of column and structural displacement ductility for concrete frame structures
…… *ZHOU Jing, FANG Xiaodan*(093)

An improved localization algorithm based on RSSI for landslides monitoring
…… *QING Xiaoxia, LI Wentian, WANG Bo*(99)

Applied experiments on coal dust inhibitor based on the theory of synergistic effect
…… *ZUO Qianming, CHENG Weimin, ZOU Guangui, TANG Jiaxuan*(105)

Effect of outburst coal's gas seepage properties under stage cyclic loading
…… *LI Xiaoquan, YIN Guangzhi, JIANG Changbao, CAI Bo*(110)

Analysis on stress wave effect during the process of rock breaking by pulsed jet
…… *LU Yiyu, ZHANG Sai, LIU Yong, LU Zhaohui, JIANG Linyan*(117)

Pilot research on micropollutants removal in the raw water by combined process of water-lifting aeration and oligotrophic biofilm
…… *HUANG Tinglin, WEI Wei, WANG Chunyan, HUANG Zhuo, SU Junfeng, ZHI Li*(125)

Meso-experimental analysis on fracture characteristics of Jinping bedded marble
…… *ZHAO Xiaoping, ZUO Jianping, PEI Jianliang, ZHANG Ru*(132)

The influence of fluorescent lamps with different color temperatures and luminance levels on discrimination
…… *YAN Yonghong, TIAN Hai, GUAN Yang, ZHANG Mingrui, ZENG Hengzhi*(141)

No. 2

The effects of wall parameters on CH_4 catalytic combustion in micro-channels
…… *RAN Jingyu, QIN Changlei, WU Sheng*(001)

Uncertainty analysis for SOFC-PEM hybrid systems
…… *YAN Chen, TAN Lingjun*(010)

Image segmentation by regularization on graphs
…… *ZENG Xiaoping*, *CHENG Keli*, *LIU Guojin*(017)
Probabilistic risk assessment for frequency stability of a power system
…… *LU Jingjing*, *SHEN Li*, *LI Boqing*, *ZHAO Yuan*, *WU Xiaoping*(022)
Feature and risk identification of super karst water burst in deeply buried karst tunnel
…… *LIU Xinrong*, *ZHANG Xudong*, *HUANG Ming*, *LI Xiaohong*(028)
Construction of 3-dimensional formation flight model and adaptive robust control
…… *LI Bin*, *WANG Qiang*, *CHAI Yi*, *FENG Yunhao*, *DU liu*(035)
A design process modeling method for airplane general arrangement in the cooperative development mode
…… *WANG Kai*, *LIU Yi*, *LI Wenzheng*(041)
Natural vibration characteristic of large hyperbolic cooling towers
…… *SHEN Guohui*, *WANG Ningbo*, *SUN Bingnan*, *LOU Wenjuan*(047)
Optimal sensor deployment scheme for heterogeneous wireless sensor networks
…… *LI Ming*, *SHI Wei ren*(055)
Kinetic characteristics of ignition process of diesel surrogate fuel under HCCI engine condition
…… *WANG Feng*, *ZHENG Zhaolei*, *HE Zuwei*, *ZHANG Qingfeng*, *WANG Ying*, *LI Yan*(060)
A malware analysis method based on symbolic execution tree
…… *ZHONG Jinxin*, *WEI Gengyu*, *AN Jing*, *YANG Yixian*(065)
An effective automatic detection system for multi-protocol attack
…… *YANG Yuanyuan*, *MA Wenping*, *LIU Weibo*, *ZHANG Xiaoxiao*(071)
Simulation analysis on stimulation patterns of three-dimension electrical impedance tomography
…… *LI Bing*, *HE Wei*, *HE Chuanhong*, *XU Zheng*, *ZHANG Zhanglong*(078)
Nonlinear dynamics bond graph model for a spur gear pair system
…… *TANG Jinyuan*, *CHEN Haifeng*(087)
Prediction of calibration interval for a measuring instrument using rolling grey bootstrap fusion model
…… *SUN Qun*, *ZHAO Ying*, *PAN Quanke*(092)
A frequency-domain image registration algorithm using the improved polar transform
…… *GUO Yongcai*, *HE Weihua*, *GAO Chao*(098)
Average surface roller pressure calculation method of roller mill
…… *DU Bo*, *CHEN Shijiao*, *QIN Datong*, *WU Yixiao*, *LIN Yupei*(105)
Design and development of propulsion system for CNG-electric hybrid city-bus
…… *SHU Hongyu*, *WANG Kun*, *CHEN Qiping*, *TIAN Ye*, *DAI Youwen*(112)
Modeling and dynamic simulation of pole trailer's track on crooked road
…… *CHENG Bo*, *YANG Yu*, *LUO Xiong*, *LI Fei*(118)
Composite gaussian process regression model and its application to prediction of silicon content in hot metal
…… *REN Jianghong*, *CHEN Tao*, *CAO Changxiu*(123)
Stability assessment method for small and medium potential landslides and results analysis
…… *WU Yue*, *LU Xin*, *LIU Dongsheng*, *ZHU Jiankai*(128)
Improved algorithm of contact element model for earthquake-induced pounding between structures
…… *LIU Peng*, *ZHENG Kaifeng*, *HE Wei*, *LIU Hui*(135)
Watermarking algorithm based on Her transform
…… *WANG Lipeng*(143)
Image segmentation based on differential mutation bare bones particle swarm optimization and fuzzy entropy
…… *ZHANG Wei*(149)

No. 3

Meshing performance analysis of planar internal gear enveloping crown worm driving
…… *CHEN Yonghong*, *ZHANG Guanghui*, *CHEN Bingkui*, *LOU Wenjun*(001)
Hardware in the loop test for plug-in hybrid electric vehicle
…… *YE Ming*, *SHU Hong*, *LIU Yonggang*(008)
The key technology research of on-line surface inspection for hot heavy rail
…… *XIE Zhijiang*, *CHEN Tao*, *CHU Hongyu*, *LIU Qin*(014)
The method for removing the spurious modes of eigensystem realization algorithm
…… *ZHANG Guowen*, *TANG Baoping*, *PAN Fei*(020)
Dynamic analysis of high speed motorized spindles with eccentrics
…… *CHEN Xiaoan*, *CHEN Wenqu*, *KANG Huimin*, *HE Ye*(026)
Product family configuration-oriented constraint network model and configuration
…… *DONG Yuanfa*, *GUO Gang*, *FU Hao*, *SUN Min*(033)
Design of nondestructive test system for plasma clots
…… *CHEN Lili*, *LIAO Qiang*, *YANG Zhengshu*, *HU Xue*, *ZHANG Guozhen*(040)
Effect of surface defects on anodic oxidation coating of 7075 aluminum alloy

…… HUANG Zhitao, TIAN Wenhuai(047)
Identification for the stable hot-working parameters of AZ80 magnesium alloy
…… QUAN Guozheng, WANG Yang, LI Guisheng, SHI Yu, ZHOU Jie(052)
Modeling and realizing of integrated batch planning for steelmaking-continuous casting and hot strip rolling
…… LIU Yi, ZHENG Zhong, CHEN Kai, GAO Xiaoqiang(060)
Design and optimization of the precision roll forging on a heavy truck front axle
…… ZHOU Jie, LIU Hao, LIU Xuguang, WAN Xuyi , SHE Keneng(067)
Recognizing the reliability non-coherence components of distribution substation typical configuration
…… JI Jing, XIE Kaigui, CAO Kan, HU Bo(074)
Measurement of interharmonics in power network based on all phase FFT time shifting and phase difference
…… WANG Xiaoping, HUANG Xiangmei(081)
Full bridge LLC series resonant converter for X-Ray high voltage DC power supply
…… TANG Zhide,ZHANG Zhengmao,YANG Hong,YANG Bing,SHU Zhiqiang(085)
Analysis of fast optimization algorithm for inverse detecting faulty insulators
…… ZHANG Zhanlong, PENG Mengjie, LI Dewen, ZHOU Jun, TANG Ju, FAN Kanglin(092)
The application research on improvement of constant sinusoidal signal sampling precision based on adaptive filter
…… YIN Gang, SI Ruiqi, LI Changming(098)
Analysis on mechanical properties evolution of outburst coal under cyclic loading
…… ZHAO Hongbao, YIN Guangzhi(103)
Correlation dimension analysis of AE sequence under failure process of gas-filled coal
…… LIU Yanbao,CAO Shugang,LI Yong,GUO Ping,ZHANG Zunguo(108)
Effects of transverse rotating magnetic field on thermocapillary flow under microgravity
…… YAO Liping, ZENG Zhong, ZHANG Yongxiang(115)
Extended theoretical analysis of jet and atomization under high-pressure spraying and collecting dust mechanism of droplet
…… ZHOU Gang, CHENG Weimin, NIE Wen, WANG Gang(121)
Effects of different preparation methods on photocatalytic activity of Fe^{3+}/TiO_2
…… JI Fangying,HE Li,ZHAO Yi,XU Xuan,WANG Xiaodong(127)
Ventilation regulating methods adapting by climate for residential housing
…… YU Wei, LI Baizhan, ZHAO Wenjiang, CHEN Jinhua, LIU Meng(133)
Influence of heat storage mode of domestic hot water on the performance of ground heat exchanger in ground-source heat pump system …… WANG Yong, TANG Xi(140)
Recycling technology of substrate from 1,4-butanediol distillation
…… WEI Shunan,WANG Pan,DONG Lichun,TAN Shiyu,YOU Xinqiang,YANG Nan(147)

No. 4

Fluid-structure thermal simulation of gasoline engine manifold catalytic converter
…… LI Yinong,WANG Lei,LIU Chengfeng,ZONG Deyuan(001)
Equalization charging research and application of lithium iron phosphate batteries group
…… HU Yinquan,LIU Heping,LIU Ping,ZHANG Yi(007)
Testing system architecture based on message bus
…… ZHAO Ling,YAO Jinbao,LOU Lu,WANG Jian(013)
Analysis of power frequency electric field distortion effect on uniform electric field
…… ZHANG Zhanlong,HU Ping,LI Jingxiong,PENG MengJie,ZHOU Jun,HUANG Song,TANG Ju(019)
Enhancement of the energy regeneration capability of an electric urban bus using inertia proportional valve
…… ZHAO Guozhu,WEI Minxiang,LI Yufang (026)
Automatic feature extraction algorithm for porphyrin sensor array images
…… LUO Xiaogang,Wang Denuan,HOU Changjun,HUO Danqun(033)
Design of wireless inductive power receiver circuit in artificial subretinal chip
…… WANG Xing,PENG ChengLin,LIU Tao,WANG Rui,LI RuZhang,ZHENG XiaoLin ,HOU Wensheng(040)
Temperature Distribution of Heat Transfer Surface in Spray Cooling with Ammonia
…… CHEN Rong,WANG Hong,YU Yongsheng,ZHOU Jin,ZHU Xun,LIAO Qiang,Yang Baohai(046)
Experimental study on the mechanical behavior of eccentrically loaded steel tubular columns filled with structural steel and concrete
…… LIU Liping,LI Yingmin,XIA Hongliu,HU Yanfei,YANG Pu,LV Hui(052)
Influence of flow-equilibrating device on purification of flue gas from MSW incineration
…… ZANG Rende,ZHANG Li,PU Ge(059)
Experimental research on the slipping performance of cable-strut joints
…… LUO Yongfeng,WANG Fei,NI Jiangong,XU Lixin(065)
Denoising technique based on cascaded filtering of particle filter and ANFIS
…… LIU Yu,ZENG Liaoliao,LU Yongle,LI Leilei,PAN Yingjun(072)
Investigation on flow and heat transfer characteristics in capillary porous wick based on alkali metal thermal-to-electric converter (AMTEC)
…… WU Shuangying,CAO Baoxi,XIAO Lan,LI YAOrong(077)

Design and apply the relative criticality arithmetic of ground protected objects
…… *HE Jingjiang, CHAI Yi, WEI Hongbo, WANG Qiang* (083)
QRS complexes detection using quadratic b-spline wavelet transform algorithm
…… *ZHANG Sijie, WANG Zhenxing, ZHANG Jian, ZENG Xiaoping, PENG Chengling, GUO Xingming* (088)
Image denoising based on the complex direction of filter banks and blockshrink
…… *GE Yao, ZHU Qingsheng, ZHOU Mingqiang* (094)
Online MW-MSPCA data-driven fault diagnosis
…… *HU Youqiang, YU Jia, LI Penghua* (100)
Design and implementation of cascaded structure for parallel image hash functions
…… *ZHOU Qing, ZHANG Yanzhen* (107)
A cooperative spectrum sensing algorithm with double-threshold relative distance weighting
…… *FENG Wenjiang, MENG Qiyu, QIN Chunling, SONG Lin* (112)
Mobile IP registration protocol in certificateless public key infrastructure without pairing
…… *ZHANG Manjun, PEI Changxing, DANG Lanjun* (117)
Blind estimation of IQ imbalance with null subcarriers for OFDM systems
…… *XU Weiyang, WU Haowei* (123)
Research on differential protection for micro-grid using failure message with direction information
…… *ZHOU Niancheng, HUANG Rui, WANG Ruihan, RAN Biao* (128)
A control system for vehicle applications of high-blend methanol gasoline
…… *YANG Fan, ZHANG Jun, HU Peifeng* (133)

No. 5

Stiffness analysis and experiments of marine gearbox
…… *LIU Mingyong, ZHU Caichao, DU Xuesong, XU Xiangyang, LIU Weihui, NING Jie, CAO Jianxin* (001)
Rotating machinery fault diagnosis based on Elman neural network optimized by immune genetic algorithm
…… *CHEN Fafa, TANG Baoping, HUANG Qingqing* (007)
Numerical simulation on phasing strategy for a gasoline engine with continuously variable intake camshaft
…… *ZHANG Li, SHANG Huichao, YUAN Zhiqiang, MA Wei, FU Qiubo, CHEN Mingfei* (014)
Dynamics simulation of compacting mechanism for multi-function paver
…… *LUO Wenjun, LUO Tianhong, GAN Xinfu* (022)
Resource matching mode of collaborative manufacturing process for outsourcing planning of equipment products
…… *GUO Gang, SHEN Lei, YANG Lianxing, XU Jianping* (029)
Empirical analysis on blast furnace fault diagnosis method based on ontology
…… *CHEN Guorong, YAN Ping, CHEN Yanhua, SHI Jinliang, DENG Juli* (035)
A method for feature contour extraction of triangular meshes based on multi-seed points
…… *TANG Xianzhi, YANG Gangsheng, LIU Fei* (040)
Corrosion image recognition and corrosion behavior analysis of AZ40 magnesium alloy
…… *LIU Liping, LI Lingjie, LEI Jinglei, HE Donghai, LI Fangjun, ZHANG Shengtao, PAN Fusheng* (047)
BP neural network and genetic algorithm for the filling properties optimization of crankshaft
…… *ZHOU Jie, LU Xianzheng, SHU Ruizhi, LING Jun* (052)
The Taylor series multipole boundary element method (TSM-BEM) and its applications in rolling engineering
…… *CHEN Zejun, XIAO Hong* (057)
Drying shrinkage characteristics of alkali-slag cement mortar
…… *CHEN Ke, YANG Changhui, PAN Qun, ZHAO Shuang, YU Zedong* (064)
An improved dynamic model of transformer hot spot temperature based on top oil temperature
…… *CHEN Weigen, SU Xiaoping, ZHOU Qu, PAN Chong, XIE Bo* (069)
Strategy and implementation of resolve overlapping spectra based on curve fitting
…… *HU Yaogai, ZHANG Xiaoxing, ZHAO Zhengyu, FENG Bo* (076)
Modeling and simulation of the upper limb artery system using three-section electric network model
…… *HE Wei, XIAO Hanguang, LIU Xinghua* (083)
Hierarchical control method of low voltage looped microgrid
…… *ZHOU Niancheng, WU Jianxiong, FU Pengwu, WANG Qianggang* (089)
Analysis on mechanical characteristic of coarse and fine particles layered structure of tailings
…… *ZHANG Qiangui, YIN Guangzhi, ZHOU Yongkun, JING Xiaofei, JIANG Changbao* (097)
Similar experiments of the flow field in cavity construction period of underground energy storage
…… *REN Song, CHEN Jie, JIANG Deyi, YANG Chunhe, LIU Chun* (103)
Experimental analysis of matrix shrinkage's influence on mechanical permeability of gas-filled coal
…… *PENG Shoujian, XU Jiang, YIN Guangzhi, JIANG Changbao, YANG Hongwei* (109)
Laboratory investigation on stress sensitivity of carbonate reservoir considering vuggy connectivity
…… *LI Song, KANG Yili, LI Daqi, YOU Lijun, YAN Fengming* (115)
AHP and fuzzy mathematical method to assess the potential of cleaner production of electroplating enterprises

……… *XIONG Wenqiang ,YONG Gang ,WANG LIli* (121)

Cavern type airflow control technology of mine ……… *WANG Haining* (126)

Finite element analysis for the structure of large crystallizer ……… *LI Hao ,YUAN Xuedong* (132)

Analysis on the effect of runoff retention and pollution load control for two vegetation roofs during rainfall events ……… *WANG Shumin ,HE Qiang ,SUN Xingfu ,WANG Zhentao* (137)

1D hydrodynamic model on Pengxi (Xiaojiang) River Backwater Area in the Three Gorges Reservoir ……… *LI Zhe ,GUO Jinsong ,FANG Fang ,LONG Man ,LIU Zhiping ,GAO Xu* (143)

No. 6

Research and development of the real-time remote monitoring control system of hybrid electric vehicles ……… *YANG YaLian ,ZHENG Yang ,SONG AnXing ,LU Tong* (001)

Robust H_∞ control for vehicle seat suspension systems with stochastic disturbance ……… *YANG Chenyun ,FU Jie ,YU Miao* (009)

Feature-preserving mesh simplification using vertex estimation method ……… *DUAN Liming ,WU Zhifang ,ZHANG Xia* (015)

Topological characteristics of industry collaborative production networks ……… *ZHANG Feng ,YANG Yu ,JIA Jianguo ,WANG Jiatian* (021)

Modeling and simulating the vehicle riding dynamics considering gradient effects ……… *DENG Tao ,SUN Dongye ,HU Fengbin ,LUO Yong* (028)

Application of support vector machine in oil consumption prediction model for aviation troops ……… *FAN Rong ,ZHU Caichao ,LU Sixi ,LUO Jiayuan* (038)

Analysis of frictional contact problem for curved surface coupling with velocity using finite element algorithm ……… *TANG Jinyuan ,ZHOU Wei ,CHEN Siyu* (043)

Prediction of crosstalk characterisation in cables bundles ……… *LI Yongming ,YANG Na ,ZHENG Yali ,WANG Quandi ,YU Jihui ,ZHENG Chunxu* (048)

Numerical investigation of bubble deformation and flow field characteristics of subcooled boiling during condensation ……… *PAN Liangming ,TAN Zhiwei* (053)

Analysis of the characteristic on HCCI autoignition and combustion process of diisobutylene ……… *ZHENG Zhaolei ,ZHANG Qingfeng ,HE Zuwei ,WANG Ying* (058)

Impact of sludge residence time on the relative biodegradation and biosorption of sulfonamide antibiotics in activated sludge ……… *YANG Cheng ,GUO Jinsong ,Belinda S. M. Sturm ,Rachael F. Lane ,Craig D. Adams ,Ray E. Carter* (063)

Mechanical properties and numerical simulation of unloading of brittle rocks under high geostress ……… *HUANG Da ,TAN Qing ,HUANG Runqiu* (072)

Uniaxial tensile test of Multi-scale polypropylene fiber reinforced doncrete ……… *LIANG Ninghui ,LIU Xinrong ,SUN Ji* (080)

Characteristics of combustion and NOx emission in low concentration coal bed methane boiler retrofitted from coal-fired boiler ……… *CHEN Yanyong ,ZHANG Li ,YAN Yunfei ,ZHANG Daisheng* (085)

Analysis of seismic dynamic responses of runnel through fault zone in high earthquake intensity area ……… *LI Lin ,HE Chuan ,GENG Ping ,CAO Dongjie* (092)

Pathway analysis of the mountainous characteristic road network for emergency evacuation ……… *SONG Yongchao ,PAN Xiaodong ,LIANG Naixing* (099)

A novel shuffled frog leaping algorithm for ICPT power programming ……… *YANG Fangxun ,SUN Yue ,XIA Chenyang* (105)

A fast image segmentation algorithm with local C-V active contour model ……… *ZHU Lei ,YANG Jing ,HUANG Xiyue* (112)

Combining vision information and tag information to extract deep web result page content ……… *FENG Yong , TANG Li* (117)

An incomplete binary tree SVM multi-class classification algorithm based on hypersphere ……… *HUANG Yangfan ,ZHANG Huimin ,XU Zihang ,CAO Pengcheng* (125)

Group-Based DBF-MUD in CDMA mobile communication system ……… *ZENG Hao ,ZHENG Fang ,LIU Ling* (129)

Research of UD2UU with human simulated intelligent control for a double inverted pendulum ……… *DAN Yuanhong ,LI Zushu ,ZHANG Xiaochuan ,TAN Zhi* (134)

A multi-model composition framework based on bayesian model comparision and its application in soft-sensor modeling ……… *HAN Lu ,REN Jianghong ,HUANG Yiqing* (141)

RS-UM based information system security assurance evaluation model ……… *ZHANG Xueqin ,JIANG Changqin ,XU Cuihua ,LIN Jiajun* (147)

No. 7

Design and simulation of electromagnetic parking brake embedded in-wheel motor
…… *CHEN Qiping, SHU Hongyu, QU Feijun, XIE Xin, XIE Anyuan*(001)

De-nosing method based on multiscale morphological filter optimized by particle swarm optimization algorithm
…… *DONG Shaojiang, TANG Baoping, CHEN Fafa*(007)

Development of control strategy for a series-parallel hybrid electric bus based engine efficiency optimization
…… *LIN Xinyou, SUN Dongye, YIN Yanli, HAO Yunzhi*(013)

The main-loop and servo-loop structure control strategy of ESC
…… *ZHANG Wei, WANG Weida, DING Nenggen, LI Chunli*(019)

Numerical simulation of flow field dynamics characteristics for a novel twin-screw kneader
…… *WEI Jing, SUN Xujian, SUN Wei*(025)

Analysis and optimization of resistive cavitation property of annular groove within relief valve
…… *LIU Shun'an, YANG Song, CHEN Yanli, HU Weiguo, XIE Dantong, ZHAO Wei*(032)

Testing and modal analysis on multi-stage planetary gearbox housing of shield tunnelling machine
…… *XIAO Zhengming, QIN Dationg, WU Wenhui, ZHOU Zhigang*(037)

Backlash control and compensation for internal meshing involute spur gears
…… *LI Junyang, WANG Jiaxu, XIAO Ke, LIU Qiang*(043)

The micro-vibration analysis for the large aperture grating tiling device
…… *ZHOU Yi, LIAO Yunfei, LIU Youhai, LUO Yuefei, WANG Xiao, ZHOU Hai*(049)

A floating threshold quantization algorithm to suppress mixing interferences in partial discharge
…… *TANG Ju, WU Mianzhi, LI Wei, ZHOU Jiabin, ZHANG Xiaoxing*(054)

A preventive control model for static voltage stability considering the power constraints of weak branches
…… *YAN Wei, HU Xiuqiong, YU Juan, LI Wenyuan*(061)

Investigation on microstructure and mechanical properties of nano-ceramic coating on AZ31 magnesium alloys
…… *GAO Zhengyuan, PAN Fusheng*(067)

Effect of nitrogen on microstructure and properties of SWRH82B wire rod
…… *SHENG Guangmin, WU Lili, DENG Yongqiang, WEI Fulong, LI Zhengsong, ZHANG Dongsheng, YANG Maolin*(072)

Analyses on stress and deformation of thin-walled metallic round tube in edge incurving process
…… *NIU Weizhong*(077)

The molecular structure and chemical bond properties of dimethylphenylsilanol studied by DFT/B3LYP
…… *ZHANG Zhengfu, YU Qiuyan, WU Lin, SUN Lijun, PENG Jinhui*(083)

Numerical simulation on the seepage of tailings dam by centerline method construction
…… *WEI Zuoan, CHEN Yulong, LI Guangzhi*(089)

Optimal calculation method of stabilizing force for anti-slide piles
…… *WAN Ling, WU Jian, WEI Zuoan*(094)

Energy analysis of concrete's fracture expanding elements
…… *HUANG Yaoying, ZHENG Hong*(099)

Analysis on the relationship of interlayer and brine migration in salt cavern construction period
…… *CHEN Jie, JIANG Deyi, LIU Chun, QIU Huafu, DU Chao, GUO Ping*(107)

Experiments on the relationship between permeability of gas-bearing coal and coal body structure
…… *LÜ Runsheng, PENG Suping, XU Yanyong*(114)

Traditional mineral resource visualized dynamic estimation and its application in 3D geological space
…… *CHEN Guoxu, ZHANG Xialin, TIAN Yiping, WU Chonglong*(119)

Adsorption removal of 17α-ethynylestradiol by wool fiber in the tertiary treatment of wastewater
…… *YANG Chun, HU Bibo, Andrew Wheatley*(127)

A real-time monitoring method of energy consumption based on data mining
…… *QING Xiaoxia, XIAO Dan, WANG Bo*(133)

Experiments on the feature distribution and influencing factors of sediment phosphorus in a new artificial lake
…… *FAN Gongduan, ZHANG Zhi, REN Liping, LUO Jing, XIANG Ping, YANG Dongxue*(138)

No. 8

Simulation model on the radiated electromagnetic interference of wiper motor inside automobile
…… *WANG Quandi, YIN Huaping, ZHENG Yali, LIU Qingsong, LI Xu*(001)

Operating analyse on finite volume of lakeH-water source heat pump in winter heating
…… *TONG Mingwei, QIN Zenghu, ZHANG Erfeng*(006)

Analysis of comprehensive evaluation method on safety of mountain tunnel initial support
…… *ZHANG Yongxing, YANG Chao, HUANG Da, GAO Shijun, LIU Xiaojun, LOU Yong*(011)

Influence of carbon content of carbonyl iron powder on MR effect of magnetorheological elastomer
…… *JU Benxiang, YU Miao, FU Jie*(017)

Microstructure and properties of Mg-Gd-Y-Zr-Zn magnesium alloy with lower Gd content
…… *RAO Jinsong, XUE Hansong, ZHANG Dingfei, CHEN Zuquan, SHAO Xingzhou*(022)

Study on static mechanics of long span suspension bridge with CFRP cable
…… *LI Yang*(026)
Chaotic clone optimization algorithm based on equivalent division strategy
…… *SHU Wanneng*, *DING Lixin*, *XU Xingdong*(034)
Design of Linux password high-speed crack model on FPGA
…… *HAN Jinsheng*, *LIN Jiajun*, *ZHOU Wenjin*, *YE Jianwu*(042)
Research on pitch cone design for beveloid gears with crossed axes
…… *SONG Chaosheng*, *ZHU Caichao*, *LIU Libin*, *NING Jie*, *LIU Weihui*(048)
Dynamic signatures method for analysis of vehicle-bridge resonance
…… *ZHANG Tian*, *XIA He*, *GUO Weiwei*(054)
Audio blind watermarking scheme combined DWT-DCT-QR
…… *YANG Yu*, *LEI Min*, *NIU Xinxin*, *YANG Yixian*(062)
Design of a high performance optic-to-electrical array for visual recovery
…… *SUN Kangming*, *YUAN Xianghui*, *MENG Liya*(067)
Prognoses of inlet water quality via QSOM in wastewater treatment processes
…… *LI Penghua*, *CHAI Yi*, *XIONG Qingyu*, *CHAI Hua*(072)
Regional distribution and exploitation potential of wind energy in the north-piedmont economic zone of the Tianshan Mountains
…… *GUO Hongxu*, *ZHAO Daiqing*, *HUANG Ying*, *CAI Guotian*(080)
Logistic map controlled secure arithmetic coding and its application in image encryption
…… *DAI Caili*, *BAO Wanyu*(087)
Research on multi-objective global optimization model and algorithm of integrated service chain
…… *WU Yingbo*, *WANG Xu*, *LIU Xin*(092)
An improved HEED clustering algorithm for Wireless Sensor Network
…… *YANG Mengning*, *YANG Dan*, *HUANG Chao*(101)
Simulation optimization for input plan of multi-type and batch production with flexible process
…… *ZENG Qiang*, *SHEN Ling*, *YANG Yu*, *SUN Jian*(107)
Numerical simulation on ships maneuverability in shallow water
…… *CAI Chuang*, *CAI Xinyong*, *ZHAO Chuanbo*, *CHEN Min*(116)
A method of power measurement under nonsinusoidal periodic signals
…… *KANG Li*, *WANG Hongliang*(122)
Design fuzzy membership functions based on the posterior probability weighting
…… *WEI Yan*, *LI Xiaohong*, *WU Xiao*(127)
A face recognition method based on modular PCA and SVD
…… *YIN Yong*, *HE Wenjuan*, *GUO Zhiqiang*, *GUO Pan*, *XU Yida*(134)
Analysis and improvement of LFMCW radar's range resolution
…… *HUANG Yangfan*, *TAN Xiaoheng*, *WANG Baohua*(139)
Building the method of calculating quality of experience bsed on SEM
…… *ZHAO Feilong*, *ZHAO Shu*, *YU Lun*(144)
A borrowed address-based on-efficient distributed address assignment algorithm in ZigBee networks
…… *YAO Yukun*, *CHEN Yongchao*, *LI Pengxiang*, *REN Zhi*(151)

No. 9

Ramp adaptive launch control strategy of pure electric vehicles
…… *CHEN Shujiang*, *QIN Datong*, *HU Minghui*, *WEI Hanbing*(001)
Descriptive model and general framework of machining workshop digital manufacturing
…… *CAO Jun*, *YIN Chao*, *LIU Fei*, *HU Yong*(008)
Improvement of the method for space fire positioning based on binocular stereo vision
…… *SONG Tao*, *TANG Baoping*, *XI Jianmin*(016)
Customer requirements motivated functional module identification method for flexible platform
…… *LI Zhongkai*, *CHENG Zhihong*, *YANG Jinyong*, *DING Liping*(022)
Analysis on the vehicle steering stability visualization simulation technology
…… *JIANG Libiao*, *DAI Pan*, *CHEN Zemao*(030)
Development and application of ABS application resource library
…… *ZHENG Taixiong*, *LIAN Yiping*, *QIU Baomei*(036)
Influence of error's randomness on transmission accuracy of planetary gear
…… *WANG Chaobing*, *CHEN Xiaoan*, *CHEN Hong*, *QIN Wei*, *WU Guoyang*(041)
Design and analysis of the manufacturing resource service sharing model based on the service-oriented manufacturing paradigm
…… *GUO Gang*, *YANG Juan*, *ZHANG Yi*, *DONG Yuanfa*(048)
EMIS expert management information system design and implementation
…… *JIANG Ping*, *XIE Xin*(056)
A coordinated state transition control strategy for microgrid with multi-energy generation systems

…… ZHOU Niancheng, HU Bin, WANG Qianggang, CHI yuan, XU Tao(061)
A novel control method for two-phase short current of lines
…… JIANG Yu, WANG Heng, ZHENG Qunying, ZHANG Zhigang, LIU Heping(070)
Computation method of magnetic field inverse problem on grounding grids fault diagnosis
…… HE Wei, SHI Qingyan, YANG Fan, ZHANG Ruiqiang(080)
Feature level fusion of fingerprint and finger vein biometrics based on dynamic weighting
…… YANG Yongming, LIN Kunming, HAN Fengling, ZHANG Zulong(086)
Simulation and design of the processing chamber of high-frequency electromagnetic processor
…… XIONG Lan, WU Yimei, XI Zhaohui, YANG Zikang, ZHENG Jiabo, HE Wei(094)
The compression algorithm for focusing delay data in digital multi-beam forming
…… WANG Ping, FAN Wenzheng, GAO Yang, XU Qin, HE Wei(099)
Simulation of thermocapillary flow in a two dimensional cavity with lattice Boltzmann method
…… LIANG Gongyou, ZENG Zhong, YAO Liping, ZHANG Liangqi, QIU Zhouhua, MEI Huan(106)
Pollutant discharge permit trading based on equilibrium theory
…… FU Yicheng, RUAN Benqing, ZANG Wenbin(114)
Coal and gas outburst disaster early warning and emergency response decision support technology
…… YANG Shouguo, TANG Jianxin, WEN Guangcai, KANG Jianning, LIU Cheng(121)
Experiments of the influencing factors on dissolution rate of rock salt
…… JIANG Deyi, WANG Chunrong, REN Song, CHEN Jie, ZHANG Yi(126)
Recognition and prediction of fracture by using ant colony algorithm analysis in carbonate reservoir
…… WU Bin, TANG Hong, WANG Surong, WANG Xingzhi, XU Liming, ZU Zhenghua(131)
Analysis on denitrification characteristics of an aerobic denitrifier in the system of SUFR-UCT
…… ZHANG Yuan, LUO Guyuan, XU Xiaoyi, YANG Yang(139)
Distribution and typical transformation of organic functional groups attaching to particles
…… WANG Lei-lei, CHEN Wei, LIN Tao(143)
Pressure driven flow of the MR fluids in the cylindrical pipe
…… HUANG Jin, CHEN Song, MA Jianzuo(152)
Identification of different aromatic Chinese liquors by colorimetric artificial nose
…… Luo Xiaogang, Zhang Ya, Hou Changjun, Yi Bin, Huo Danqun, ZHAO Feixiang(157)

No. 10

The optimization for vibration comfort of commercial vehicle cab based on road test
…… HE Yansong, ZHANG Junfeng, Xu Zhongming, ZENG Jia(001)
Finite element model of coupled systems for vibration reduction plates with smart constrained layer damping
…… CAO Youqiang, Deng Zhaoxiang, Wang Pan, Liu Huijie(009)
The study on EMI principle and suppression method of vehicle ignition system
…… YANG Yongming, SU Chengjun, AN Zongyu, WANG Quandi(017)
Effects of rolling lubrication on flange lateral spread of H-beam
…… ZHAO Jingyun ZANG Yong(024)
Experimental analysis of the abrasive belt follow-up grinding of Zirconium-4 alloys tubes and pipes
…… HUANG Yun, ZHANG Lei, HUANG Zhi, GUO Qiang(030)
Fatigue monitoring of metallic structures by wireless smart sensor networks
…… CUI Dingyu, B F Spencer, Jr, XIN Kegui, LIU Yufei(038)
The research of bearing capacity for double-angle composited cross-section member of UHV transmission tower
…… LI Zhengliang, SUN bo, YU Zhou, YANG Longyu, YU Dengke(044)
Aerostatic stability analysis of long span Half-through arch bridges
…… XIONG Hui, YAN Zhitao, LI Zhengying, DENG Nuan(051)
Texture image retrieval using double density dual tree complex wavelet RH model
…… SHANG Zhaowei, WANG Jie, LI Wenlong, HU Shengxiong(057)
Image denoising based on adaptive graph regularization
…… LIU Guojin, ZENG Xiaoping, LIU Yi(063)
Study on CO_2 removal by monoethanolamine/polyamine aqueous
…… DU Yungui, LIU Tao, GU Min, LU Yiyu, XIAN Xuefu(069)
Nalytical study on crack magnetic flux leakage for ferromagnetic component and detection system based on geomagnetic field
…… LIAO Changrong, LIAO Zheng, HAN Liang, WANG Binbo, SHI Xiangcong, XIE Yunshan (076)
PAHs formation mechanism during combustion process of diesel engines
…… WANG Feng, ZHENG Zhaolei, HE Zuwei(085)
Fast stabilization algorithm of dynamic scene video with multiple foreground objects
…… HE Kai, MU Congchong, YUAN Zhongwen, HE Hailong, ZOU Gang(093)
The fall point arithmetic of rocket wreckage adopting atmosphere resistance modification
…… HE Jingjiang, WEI Zhidong, DONG Jihui, WEI Shanbi(099)

Numerical simulation of desulfurization characteristics in CFB flue gas with bypass
…… *TANG Qiang*, *HOU Shifeng*, *ZHANG Xiaoqin* (104)

Multifocus image fusion scheme based on feature contrast in lifting stationary wavelet domain
…… *LI Zhaofei*, *CHAI Yi*, *GUO Maoyun*, *LI Huafeng* (109)

Modeling and control of An LCL Bi-directional inductive power transfer system
…… *LI Yanling*, *SUN Yue*, *DAI Xin*, *ZHOU Jikun* (117)

A new type of prestressed concrete hollow girder design for overcoming the typical diseases
…… *YUAN Aimin*, *ZHON Yuanhua*, *DAI Hang*, *SUN Dasong* (124)

The compensation method for the random time-delay of the feedback channel and the forward channel in the networked control system
…… *FU Wei*, *YANG Xianyi*, *LIU Guoquan* (130)

Continues software reliability demonstration testing scheme with decreasing function
…… *WANG Xuecheng*, *LU Minyan*, *LI Haifeng*, *YANG Risheng* (136)

Numerical simulation of thermomagnetic convection of air in a porous cubic enclosure
…… *JIANG Changwei*, *LI Hesong*, *CHEN Donglin*, *SHI Er*, *ZHU Xianfeng*, *LI Mao* (144)

Effect on the performance of piston cam engine with the parameters of valve mechanism
…… *XU Qinchao*, *WANG Shuzong*, *LIAN Yongqing* (152)

The edge element method in the forward problem of magnetic induction tomography with homogeneous sinusoidal magnetic excitation
…… *HE Wei*, *SONG Xiaodong*, *ZHANG Xiaoyong*, *FAN Zhaoyong*, *LUO Haijun*, *XU Zheng* (159)

No. 11

Three-dimensional crack propagation simulation and life prediction in tooth root of cylindrical gear
…… *LIN Tengjiao*, *ZHONG Sheng*, *SHEN Liang* (001)

Analysis of nonlinear dynamic characteristics of the Schmidt offset coupling
…… *ZHU Caichao*, *WANG Meng*, *DU Xuesong* (008)

A method of rotor orbit purification based on ensemble empirical mode decomposition filter
…… *CHEN Renxiang*, *TANG Baoping*, *LÜ Zhongliang* (015)

Exact solid-modeling of double pitch ZN-type worm gears based on meshing theory
…… *SHU Linsen*, *CAO Huajun*, *XU Lei*, *LI Zhiyong* (021)

MPF-MMAC: A novel wireless sensor network MAC protocol
…… *TANG Baoping*, *RUAN Qidong*, *PEI Yong* (028)

Experimental study of gear bending fatigue strength under random load according to three-parameter Weibull distribution
…… *HU Jianjun*, *XU Hongbin*, *GAO Xiaowang*, *ZU Shihua* (034)

Airfoil design using improved particle swarm optimization
…… *CHEN Jin*, *WANG Quan*, *LI Songlin*, *GUO Xiaofeng* (040)

Numerical simulation of influence for the process parameters on multi-roll flexible stretch forming
…… *ZHANG Haohan*, *LI Mingzhe*, *FU Wenzhi*, *CHEN Xue*, *FENG Pengxiao* (047)

Relationship between porosity and chloride diffusivity in cement-based composite materials
…… *GAO Lixiong*, *SUN Guowen*, *ZHANG Yunsheng*, *SUN Wei* (053)

Experimental research for heat transfer coefficient of casting/mold interface with thermal-mechanical coupling effects using steady-state method
…… *ZHAO Jianhua*, *SONG Gang*, *WANG Yajun*, *ZENG Li* (062)

Kinetics analysis of sinter-reduction base on oxygen blast furnace
…… *XUE Qingguo*, *LAN Rongzong*, *WANG Jingsong*, *HAN Yihua*, *WANG Lintao* (067)

The harmless process for the sodium removal of Bayer red mud by CO_2
…… *WU Long*, *LI Shiqi*, *SHEN Ping* (075)

Oxidation capability of modified fly ash based adsorbent for mercury in coal-fired flue gas
…… *XU Zhipeng*, *LIU Qingcai*, *YAO Chunling*, *YANG Jian*, *WEI Min* (081)

Order planning for iron and steel enterprise considering production organization constraints
…… *LU Yongming*, *WANG Lina*, *CHEN Hongzhi*, *ZHAO Yongli*, *PAN Qiujuan*, *XUE Xiangrong* (086)

Automatic quality assessment of fingerprint image
…… *YANG Yongming*, *ZHANG Zulong*, *HAN Fengling*, *LIN Kunming*, *SUN Hao* (092)

Analysis on weld metal and element migration of 316L-20G clad pipe
…… *FAN Zhaoting*, *ZHANG Shengtao*, *YIN Linliang*, *LIU Jia*, *DAI Zhixiang* (099)

Treatment of wastewater from ABS condensation drying section by BAC-SBR reactor
…… *YANG Liwei*, *LAI Bo*, *ZHOU Yuexi*, *PANG Cuicui*, *LIAN Yu*, *ZHANG Sheng*, *ZHOU Jihong* (104)

Dynamic superposition and simulation research on flowing of gas outburst and mine ventilation network
…… *LI Zongxiang*, *LIU Yu*, *YU Jingxiao*, *JIA Jinzhang* (111)

Addition of citric acid to enhance the bioleaching chalcopyrite tailings
…… *LI Dongwei*, *LIANG Zhirong*, *JIAO Binquan*, *LI Dou* (117)

Numerical simulation of one-dimensional dam-break: A decoupled scheme with WENO reconstruction
…… *ZHANG Wenzhong*, *CHEN Jingqiu*, *ZHANG Yongxiang*, *MIU Jilun* (122)

Calculation of broken index of surface based on GIS

…… *JIA Xingli, XU Jingliang, YANG Hongzhi, ZHAO Liping*(126)
Application of stepwise regression-time series and RBF-ANN models to precipitation forecasting
…… *LU Wenxi, YANG Leilei, YANG Zhongping, XIN Xin, LUO Jiannan, CHU Haibo*(131)
The distribution characteristics and evaluation of ecological risk of heavy metals in the surface sediment of Taihu Lake
…… *WANG Peifang, ZHOU Wenming, WANG Chao, QIAN Jin, HOU Jun, ZHENG Shasha*(136)
Physical simulation of production performance of fractured horizontal wells in low permeability reservoir
…… *SHEN Rui, GAO Shusheng, XIONG Wei, HU Zhiming*(144)

No. 12

Tooth contact analysis of helical beveloid gear with parallel axis
…… *LIN Chao, WEI Peitang, ZHU Caichao*(001)
Gear-bearing coupling dynamics characteristics of wind turbine planetary gear transmission system under variable load
…… *ZHOU Zhigang, QIN Datong, YANG Jun, CHEN Huitao*(007)
Control strategy and parameters optimization of the outsourcing production inventory system under uncertainty
…… *CAO Le, ZHU Xiaofeng, LIU Fei, WANG Haixia*(015)
The structural optimization design of the electric motorcycle frame
…… *TANG Qian, YANG Xiaohu, ZHANG Zhifei, BI Yaokun*(021)
Direct generation of rough cut numerical control code from industrial CT slice images
…… *DUAN Liming, GUO Yan, CHEN Zhong, CHEN Xiaoli* (027)
Fast modeling of the motor broadband equivalent circuit model
…… *WANG Quandi, SUN Hong, ZHENG Yali, AN Zongyu, PENG Hemeng*(034)
The power supply based on BUCK with active ripple compensation for LED
…… *TANG Zhide, WANG Guantao, YANG Hong, ZHANG Zhengmao, TAO Lin*(040)
Research on application of data model configuration for protection in smart substations
…… *LUO Jian, MA Zeju, HUANG Yihua, ZHONG Jiayong, MA Shilong*(046)
Conversion of flow pattern in the slender crucible by detached solidification
…… *PENG Lan, ZHANG Wei, LI Zhen*(051)
Performance analysis of transcritical organic rankine cycle
…… *GAO Hong, LIU Chao, HE Chao, XU Xiaoxiao*(057)
An experimental investigation of a single jet into fluid flow in a pipe
…… *HE Chuan, XU Hao, LI Shaohua, SHI Wen, WANG Yanjun, WANG Dan*(062)
Improved marching cubes by combining case lookup table and adjacency lookup sub-table
…… *WANG Xuchu, WANG Zan, NIU Yanmin, ZHANG Shaoxiang, TAN Liwen, JIN Jun*(068)
A plating method without coarsing for metallization of fiber bragg grating in intelligent metal structures
…… *FANG Liang, TANG Anqiong, HU Jia, YIN Bo, XUE Shengjie, WU Jun, LIU Li, ZHANG Peng*(078)
Model test of influence of excavating new interchange tunnel on existing tunnel
…… *LIU Xinrong, WANGJiming, GUO Zihong, LIN Zhi, PEI Li*(084)
Quantitative analysis of damage extent of transmission tower by using strain energy method
…… *GUO Huiyong, TIAN Sheng, LI Zhengliang, ZHU Hantang*(094)
Simulation of nonstationary stochastic earthquake ground motion based on orthogonal Hilbert spectrum
…… *HU Canyang, CHEN Qingjun, XU Qingyang*(100)
Analysis on the influence from rectangle cavity behind the lining to the primary support of tunnel
…… *ZHOU Chengtao, CHEN Juntao*(106)
A four-compartment computer virus propagation model with graded infection rate
…… *YANG Maobin, YANG Xiaofan, ZHU Qingyi, YANG Luxing*(112)
Algorithm of removing outliers in SVR
…… *ZENG Shaohua, WEI Yan, TANG Yuanyan*(120)
Face recognition method with local matching
…… *HE Guanghui, ZHANG Taiping*(133)
A cooperative localization algorithm for wireless sensor networks
…… *FENG Wenjiang, BI Xiaowei, DENG Cen, HU Huan*(139)
Outage probability and power allocation in cognitive relay networks under imperfect channel state information
…… *TANG Lun, LI Qing, CHEN Qianbin, ZENG Xiaoping*(144)
Dynamics modeling and simulation for information diffusion in Internet of things
…… *AI Lisha, LI Gang, LI Feng*(149)
Weighted fusion algorithm for frequency estimation of the short signal with the same frequency and length
…… *XIAO Wei, TU Yaqing, LUI Liangbing, ZHANG Haitao*(155)

(End of Vol. 35, 2012)