

## TABLE OF CONTENTS

### 目 录

<b>基于恒力控制的外圆纵向磨削参数优化方法研究</b> <b>Research on Optimization Method of Cylindrical Longitudinal Grinding Parameters Based on Constant Force Control Strategy</b>	
王家乐, 孙士玉, 汪能洋.....	3273
<b>基于自注意力的双流结构门控循环单元的自动调制识别</b> <b>Automatic Modulation Recognition Using Dual-Stream Gated Recurrent Unit Based on Self-Attention</b>	
张依宁, 张志超.....	3286
<b>基于 2D 激光雷达的移动机器人同步定位与地图构建算法研究</b> <b>Simultaneous Localization and Map Construction Algorithm for Mobile Robots Based on 2D LiDAR</b>	
汤玉春.....	3299
<b>紧凑型光学涡旋发射装置设计</b> <b>Compact Optical Vortex Launcher Design</b>	
钱峻.....	3319
<b>椭圆穿孔板超材料的带隙特性计算分析</b> <b>Calculation and Analysis of Band Gap Characteristics of Elliptical Perforated Plate Metamaterials</b>	
张祖坚, 郭辉, 袁涛, 孙裴, 黄双, 马西沛.....	3327
<b>基于 FNN 的直驱式波浪发电系统 PID 控制</b> <b>PID Control of Direct Drive Wave Power Generation System Based on FNN</b>	
李尚恒, 周骅, 丁召.....	3336
<b>基于 TCN 和 LightGBM 的供应商主动维护客户构成模型</b> <b>A Customer Composition Model for Supplier Proactive Maintenance Based on TCN and LightGBM</b>	
刘铭, 何利力, 郑军红.....	3348
<b>ARIMA 模型在股价预测上的应用</b> <b>Application of ARIMA Model in Stock Price Prediction</b>	
陈德慧.....	3360
<b>立式热交换器分流板压力场数值模拟与结构优化</b> <b>Numerical Simulation of Pressure Field and Structural Optimization of Splitter Plate in Vertical Heat Exchanger</b>	
王默雷, 邓胜祥.....	3366

<b>数字普惠金融对涉农企业创新绩效的影响研究</b> <b>Research on the Impact of Digital Inclusive Finance on the Innovation Performance of Agriculture-Related Enterprises</b>	
沈倩, 田书格.....	3379
<b>面向低碳低成本的法兰盘钻削工艺参数优化</b> <b>Optimized Process Parameters for Low-Carbon and Low-Cost Flange Drilling</b>	
曹宪硕, 李仁旺.....	3396
<b>多重折射率光子晶体谐振腔模型设计与仿真</b> <b>Design and Simulation of Resonant Cavity Model for Multi Refractive Index Photonic Crystal</b>	
苏昕, 梁斌明, 郑继红, 安静.....	3407
<b>基于加权灰靶决策和 0-1 线性规划的材料订购与转运问题研究</b> <b>Studies on Material Ordering and Transportation Based on Weighted Grey Target Decision and 0-1 Linear Programming</b>	
刘星雨, 陈宇, 陈晓友.....	3417
<b>虚拟双光束 ODT 系统探索与研制</b> <b>Exploration and Development of Virtual Dual-Beam ODT System</b>	
傅坤跃, 杨沛刚, 李广林.....	3427
<b>一种有效防止侧面碰撞车门解锁的结构</b> <b>An Effective Prevent Side Impact the Structure of the Door Unlocked</b>	
黄惠星, 罗世杰, 贾丽刚.....	3441
<b>基于 MATLAB/GUI 的模拟信号调制系统设计</b> <b>Design of Analog Signal Modulation System Based on MATLAB/GUI</b>	
陈骏, 吕军.....	3450
<b>基于局部特征尺寸场的边界层网格生成算法</b> <b>Boundary Layer Mesh Optimization Algorithm Based on Local Feature Size</b>	
陈林祺, 周颖.....	3464
<b>抽灌作用下止水帷幕应力应变研究</b> <b>Analysis of the Stress and Strain of Waterproof Curtain under Dewatering and Recharging</b>	
王轩, 武永霞, 蒋星辰, 潘凯.....	3472
<b>基于燃煤电厂烟气余热利用场景下的卡诺电池系统性能分析</b> <b>Performance Analysis of Carnot Battery System Based on Waste Heat Utilization Generated of Flue Gas Generated by Coal-Fired Power Plant</b>	
吴志斌, 邵轩, 郑普.....	3481
<b>基于 CFD 流体模拟的新型污染物在室内的传播特性分析</b> <b>Analysis of Indoor Propagation Characteristics of New Pollutants Based on CFD Fluid Simulation</b>	
张雁南, 李丁, 程祥, 潘政.....	3491

<b>基于 ARIMA-LSTM 的产品需求预测方法</b> <b>Product Demand Prediction Method Based on ARIMA-LSTM</b>	
江旭东, 董宝力.....	3498
<b>碳价是否有效? 基于中国碳价对低碳技术创新的门槛效应研究</b> <b>Is Carbon Price Effective? Research on the Threshold Effect of China's Carbon Price on Low Carbon Technology Innovation</b>	
顾心语, 李丁丁, 谢敏.....	3506
<b>基于 M 超图像的气胸自动诊断方法</b> <b>Automatic Diagnosis Method of Pneumothorax Based on M-Ultrasound Image</b>	
马一博, 陈益, 刘思言, 闫士举.....	3512
<b>基于 Eviews 软件的上海住宅商品房平均销售价格影响因素的研究分析</b> <b>Research and Analysis of the Influencing Factors of the Average Sales Price of Residential Commercial Housing in Shanghai Based on Eviews Software</b>	
乔飞燕, 乔燕铭.....	3522
<b>基于 ISM 模型的向下转诊影响因素研究</b> <b>Research on Influencing Factors of Downward Referral Based on ISM Model</b>	
马晓琳.....	3532
<b>某新能源轿车车架的静态结构与模态分析</b> <b>Static Structure and Modal Analysis of a New Energy Car Frame</b>	
李清旭.....	3539
<b>基于分布式模型预测控制的城市快速路多匝道协同控制</b> <b>Coordinated Ramp Metering for Urban Expressway Based on Distributed Model Predictive Control</b>	
杨雪驰.....	3550
<b>基于改进多边滤波的点云三维重建与分析</b> <b>3D Reconstruction and Analysis of Point Cloud Based on Improved Multilateral Filtering</b>	
潘方超.....	3564
<b>改进的 YOLOv5 风机叶片缺陷检测方法</b> <b>The Improved YOLOv5 Wind Turbine Blade Defect Detection Method</b>	
高文俊, 张海峰.....	3574
<b>基于 MSR 多尺度细节增强与双阈值约束的隧道裂缝提取方法</b> <b>Tunnel Crack Extraction Method Based on MSR Multi-Scale Detail Enhancement and Dual-Threshold Constraint</b>	
黄剑雄, 刘宜胜.....	3587
<b>基于变增益自抗扰控制的永磁同步直线电机位置伺服系统</b> <b>Variable Gain Active Disturbance Rejection Control for Permanent Magnet Synchronous Linear Motorposition Servo System</b>	
袁程浩, 郭亮.....	3595

<b>山地丘陵地区局域风流变化路径分析</b> <b>The Analysis of Local Air Flow Change Paths in Mountainous and Hilly Areas</b>	
史雨蒙, 傅军, 李洁.....	3609
<b>挂板式光伏清扫机器人动力学建模与控制</b> <b>Dynamic Modeling and Control of Hanging-Type Photovoltaic Cleaning Robot</b>	
陈柄焱, 梅益.....	3621
<b>基于 HFSS 的五陷波四端口超宽带天线的设计</b> <b>Design of a Quad-Port UWB Antenna with Five Notch on HFSS</b>	
杨萍, 王代强.....	1
<b>新型城镇化与生态环境时空耦合关系研究</b> <b>Spatial and Temporal Coupling Analysis of New Urbanization and Ecological Environment</b>	
戈富荣, 刘帅.....	3645
<b>CNN-Transformer 混合模型在计算机视觉领域的研究综述</b> <b>Review of CNN-Transformer Hybrid Model in Computer Vision</b>	
戴洋毅, 何康, 瑚琦, 黄凯.....	3657
<b>高速空气静压电主轴止推轴承设计及性能分析</b> <b>Design and Performance Analysis of the Static Air Pressure Thrust Bearing on the High Speed Electric Spindle</b>	
秦浩海, 李天箭.....	3673
<b>基于模糊 PID 的压缩机吸气干度控制仿真研究</b> <b>Simulation Study on Suction Vapor Quality Control of Compressor Based on Fuzzy PID</b>	
任凯, 陶乐仁.....	3684
<b>汽车消声器模态分析及优化</b> <b>Automotive Muffler Modal Analysis and Optimization</b>	
吕广伟.....	3697
<b>基于消费者选择的餐饮企业营销策略优化研究</b> <b>Research on Marketing Strategy Optimization of Catering Enterprises Based on Consumer Choice</b>	
李柔葭.....	3705
<b>综合能源系统运行优化研究综述</b> <b>Review of Research on Operation Optimization of Integrated Energy System</b>	
潘邦勇, 刘敏, 陈鑫瑞, 蒙昌州.....	3716
<b>基于行为编程的无人机导航系统研究</b> <b>Research on Behavior-Based Programming for Unmanned Aerial Vehicle Navigation System</b>	
王飞.....	3736

**基于机器学习的银行个人信用风险评估研究**

**Research on Bank Personal Credit Risk Assessment Based on Machine Learning**

薛琦, 罗鄂湘.....3747

**富氧下煤粉掺烧生物质气的 NO<sub>x</sub> 与 CO<sub>2</sub> 生成量协同排放研究**

**Research on the Synergistic Emission of NO<sub>x</sub> and CO<sub>2</sub> Generation from Pulverized Coal Blended Biomass Gas under Oxygen Enrichment**

胡超, 严祯荣, 卫荆涛, 俞银华, 王文镜, 殷铭, 钟布依, 钱钧.....3756

**基于双流卷积多注意力模型的行人意图识别研究**

**Research on Pedestrian Intention Recognition Based on Dual-Stream Convolutional Multi-Attention Model**

张晓斐, 王孝兰.....3770

**基于响应面的白车身轻量化多目标优化设计**

**Multi-Objective Optimization Design of Body-in-White Lightweight Based on Response Surface**

张健, 吕俞祥, 李家俊, 娄万里, 刘会霞.....3781

**基于改进的灰色 NGM(1,1) 预测模型研究及应用**

**Research and Application of Improved Gray NGM(1,1) Based Prediction Model**

李胡蓉, 陈燕婷.....3794

**不同湿度环境条件下鼻腔加温加湿功能的数值模拟分析**

**Numerical Simulation Analysis of Nasal Heating and Humidification under Different Humidity Conditions**

杜雪情, 高然, 刘博然, 尚颖辉, 张雍宇, 王毅, 赵可杰.....3807

**基于氧化石墨烯的可调多焦点超透镜设计**

**Design of Adjustable Multi-Focus Metalens Based on Graphene Oxide**

李辩, 王金凤, 孙明宇.....3818

**基于线激光的航空叶片孔洞修复方法**

**A Method for Repairing Holes in Aviation Blades Based on Line Laser**

陈伟.....3828

**技术创新与商业模式创新耦合协调关系研究**

**Research on the Coupling and Coordination Relationship between Technology Innovation and Business Model Innovation**

常思雨.....3837

**内圆切入磨削不同砂轮磨削性能在线监测模型研究**

**Research on Online Monitoring Model of Grinding Performance of Different Grinding Wheels in Internal Plunge Grinding**

李怡霖, 迟玉伦, 谭永敏, 陈晨, 熊力, 吴梦.....3846

生活垃圾填埋场的稳定性数值模拟及分析 Numerical Simulation and Analysis of the Stability of a Municipal Solid Waste Landfill 胡丹莉, 张振营.....	3864
基于 GM(1,1)的双碳预测模型 Carbon Peaking and Carbon Neutrality's Prediction Model Based on GM(1.1) 项辉, 吴晨宇, 汪扬, 马凯, 农植标.....	3874
基于 GM(1,1)模型的山东省 GDP 数据预测研究 Research on GDP Data Prediction of Shandong Province Based on GM(1,1) Model 公春晓.....	3895
基于熵权法的光污染评价研究 Evaluation of Light Pollution Based on Entropy Weight Method 李天旭, 李婕, 王世豪, 侯泽业, 张文昊, 齐广, 郭秀英.....	3903
基于 SSA 优化神经网络的企业质量指标预测研究 Research on Enterprise Quality Index Prediction Based on SSA Optimization Neural Network 袁嬉莹.....	3909
基于 ARIMA 模型的农产品销售问题研究 Research on Sales of Different Kinds of Agricultural Products Based on Arima Model 娄新新, 冯爱芬, 荣博.....	3918
基于秃鹰搜索的抗乳腺癌候选药物优化建模 Optimization Modeling of Anti-Breast Cancer Candidate Drugs Based on Bald Eagle Search 龙楷潮, 袁学枫, 张利.....	3930
基于 DCT 的并联混动汽车动力系统多参数优化研究 Research on Multi-Parameter Optimization of Parallel Hybrid Electric Vehicle Power System Based on DCT 李子辰, 谢金法, 张上举, 朱鹏超.....	3943
面向中餐的助餐机器人末端欠驱动型夹取机构设计与仿真分析 The Design and Simulation Analysis of the End-Underactuated Gripper Mechanism of the Meal-Assistance Robot for Chinese Food 高兴, 张琳, 周洲, 胡冰山, 喻洪流.....	3959
机床主轴机构模态和振动特性分析与主轴径向回转误差测试方法的研究 Study on Analysis of Modal and Vibration Characteristics and Test Method of Radial Rotation Error of Machine Tool Spindle 李希铭.....	3968
一种空调器用浮子式单向阀的设计与仿真 Design and Simulation of a Float Check Valve for Air Conditioner 潘祥, 刘宜胜, 朱玉华.....	3978

<b>基于改进海鸥优化算法的微电网优化配置</b> <b>Optimal Configuration of Microgrids Based on Improved Seagull Optimization Algorithm</b>	
王娟, 曾国辉, 李嘉睿, 臧振森, 张振华.....	3988
<b>下肢助行外骨骼机器人稳定性分析与校正研究</b> <b>Stability Analysis and Calibration Study of a Lower Limb Mobility-Assisted Exoskeleton Robot</b>	
钟凤琦, 朱文琪, 郭旭东, 肖建如, 许炜, 周振华.....	3999
<b>活塞连杆组的建模与分析</b> <b>Modeling and Analysis of Piston Connecting Rod Group</b>	
刘绪君, 孙跃东.....	4007
<b>人车事故重建及 AEB 介入后行人损伤分析</b> <b>Reconstruction of Vehicle-Pedestrian Accident and Analysis of Pedestrian Injury after AEB Intervention</b>	
楚小兰.....	4017
<b>考虑跨区域条件下与非机动车协同配送的无人机起降点选址研究</b> <b>Research on Unmanned Aerial Vehicles Landing Site Selection for Collaborative Delivery with Non-Motorized Vehicle under Cross-Regional Conditions</b>	
李骁, 梁士栋.....	4031
<b>基于时间卷积网络的移栽机齿轮箱轴承退化趋势研究</b> <b>Research on the Degeneration Trend of Transplanting Gear Box Bearing Box Based on Time Convolution Network</b>	
李道玉.....	4041
<b>上肢康复机器人结构设计和仿真分析</b> <b>Structural Design and Simulation Analysis of Upper Limb Rehabilitation Robot</b>	
易子渊, 黄鹏鹏, 王慧钰, 杨景.....	4054
<b>混合吸附质在废活性炭热再生过程中的受热脱附研究</b> <b>Study on the Thermal Desorption of Mixed Adsorbent in the Thermal Regeneration Process of Waste Activated Carbon</b>	
卫荆涛, 严祯荣, 黄非凡, 胡超.....	4065
<b>社会力量对秸秆回收利用意愿的影响路径分析</b> <b>Analysis of the Impact Path of Social Forces on the Willingness of Straw Recycling</b>	
李丁丁, 徐陆艳, 顾心语.....	4081
<b>企业绿色创新的演化博弈分析及系统动力学仿真</b> <b>Evolutionary Game Analysis and System Dynamics Simulation of Enterprise Green Innovation</b>	
马艳华, 刘生敏, 陶果香.....	4093



<b>乡村振兴背景下物流能力与农村发展的协同研究</b> <b>Collaborative Research on Logistics Capacity and Rural Development under the Background of Rural Revitalization</b>	
李珂娟.....	4107
<b>基于 PP-Matting 抠图和增量式 SfM 的三维重建方法</b> <b>3D Reconstruction Method Based on PP-Matting and Incremental Structure-from-Motion</b>	
任梦欣, 杨剑锋, 邓周灰, 邹琼, 全天乐.....	4116
<b>APEC 成员国碳排放与经济增长分类研究与启示</b> <b>Carbon Emissions and Economic Growth Classification Research of APEC Member Countries and Insights</b>	
陈燕婷, 魏力蛟.....	4127
<b>女性视角下网红代言对企业品牌价值的影响研究</b> <b>Research on the Impact of Internet Celebrity Endorsement on Corporate Brand Value from the Perspective of Women</b>	
王善勇.....	4140
<b>农业科技现代化赋能乡村振兴影响因素研究</b> <b>Research on Influencing Factors of Rural Revitalization Empowered by Agricultural Science and Technology Modernization</b>	
苏千, 李子畅.....	4150
<b>正面碰撞下电动汽车驾驶员腿部伤害优化</b> <b>Leg Injury Optimization for EV Drivers Based on Frontal Collisions</b>	
李家俊, 毛晨曦, 张健, 吕俞祥, 刘会霞.....	4160
<b>基于电机参数辨识的模型预测控制研究</b> <b>Research on Predictive Control Based on Motor Parameter Identification</b>	
童锐, 蒋全.....	4171
<b>基于特征选择的 SSA-XGBoost 水质量预测研究</b> <b>Research on SSA-XGBoost Water Quality Prediction Based on Feature Selection</b>	
赵桐, 刘媛华.....	4183
<b>融合 BERT 和知识图谱的文本情感分析模型</b> <b>Text Sentiment Analysis Model Based on BERT and Knowledge Graph</b>	
刘斐瑜, 俞卫琴.....	4195
<b>数字医疗平台服务模式优化路径研究</b> <b>Research on Service Mode Optimization Path of Digital Medical Platform</b>	
任宇琪, 桑雨腾.....	4201
<b>液滴偏心碰撞的多体耗散粒子动力学研究</b> <b>A Many-Body Dissipative Particle Dynamics Study of Droplets Eccentric Impacting on Fiber</b>	
刘华建, 曹达敏.....	4213



**关于紧急情况下人员疏散问题的研究**

**Research on Personnel Evacuation in Emergency Situations**

朱文艳, 欧阳思荣, 杨亚妮, 何艳, 莫宏敏.....4223

**一种基于区域密度划分改进的 ORB 特征提取算法**

**An Improved ORB Feature Extraction Algorithm Based on Region Density Division**

王鹏.....4233