

TABLE OF CONTENTS

目 录

注意力特征融合 VGG-16 网络的胸透病理识别方法 Attention Feature Fusion with VGG-16 Network for Chest X-Ray Pathologic Identification	
罗珺茜, 彭嘉, 周娟, 龙楷潮, 韦焕泽, 张利.....	1
基于映射算法面向电热微夹持器的遥操系统设计与控制策略研究 Teleoperation System Design and Control Strategy Research for Electrothermal Microgripper Based on Mapping Algorithm	
张寒莉, 倡国宁	12
基于自注意力对抗网络的 VLA 稀疏阵列效应消除技术 VLA Sparse Array Effect Elimination Technology Based on Self-Attention Adversarial Network	
雷然, 陈港, 周娟, 马帅, 张利	24
喷油规律曲线对 OPOC 柴油机的性能影响分析 Influence of Injection Curve on OPOC Diesel Engine Performance	
张鑫楠	33
基于 Bert-BiLSTM-BiGRU-CNN 的文本情感分析模型 Sentiment Analysis of Text Based on BERT-BiLSTM-BiGRU-CNN Model	
朱昆, 刘姜, 倪枫, 朱佳怡	42
基于深度学习的视频船舶目标追踪模型 Video Ship Target Tracking Model Based on Deep Learning	
卞昌硕, 余胜任, 阳书威, 段玮鹏.....	50
具有多样性混合单元的分离重组微混合器的优化设计与数值分析 Optimized Design and Numerical Analysis of a Split and Recombination Micromixer with Diverse Mixing Units	
简佳培, 甘屹, 孙福佳	61
机场沥青基隔离层性能试验及应用效果研究 Performance Test and Application Effect Study of Airport Asphalt-Based Isolation Layer	
席逸元, 黄崇伟, 张其星亮	75
SiCp/Al 复合材料铣削仿真及实验研究 Simulation and Experimental Study on Milling of SiCp/Al Composites	
孙时杰, 陈宗玉, 刘德亮, 柳苏洋.....	82

基于 Jack 的手部残疾人多功能炉具需求研究及仿真分析 Research and Simulation Analysis on the Demand for Multifunctional Stoves for Hand-Disabled People Based on Jack	
韩冬晨, 刘艳, 陆琴, 莫安蕊, 王卫星.....	93
基于 Jack 的儿童牙科椅人因研究及仿真分析 Research and Simulation Analysis of Pediatric Dental Chair's Human Factors Based on Jack	
莫安蕊, 陆琴, 刘艳, 韩冬晨, 王卫星.....	104
基于模型预测控制的电动汽车电液复合制动力分配策略研究 Research on Electro-Hydraulic Composite Braking Force Distribution Strategy of Electric Vehicle Based on Model Predictive Control	
张韦阳, 郑竹安, 秦亚宁, 张坤	112
洗浴机器人擦洗轨迹规划与实时控制 Planning and Real Time Control of Cleaning Trajectory for Bathing Robot	
冯士凯, 李平, 许朋, 喻洪流	123
基于改进的深度强化学习策略的交通信号控制 Traffic Signal Control Based on Improved Deep Reinforcement Learning Strategy	
徐晴晴, 韩天立, 胡林治	136
机场道面板底部应力模型研究 Research on Stress Model at the Bottom of Airport Pavement Slab	
李巍道, 黄崇伟, 朱美宣	151
晶振夹具盘传送机的设计及仿真分析 Design and Simulation Analysis of Crystal Oscillator Fixture Disk Conveyor	
张壮, 吴震宇, 周永杰	158
基于 Hyperworks 和 LS-DYNA 的类蜂窝结构吸能效果分析和优化 Analysis and Optimization of Energy Absorption Effect of Honeycomb-Like Structures Based on Hyperworks and LS-DYNA	
耿治港	169
基于改进卷积神经网络的滚动轴承故障诊断模型 A Fault Diagnosis Model for Rolling Bearings Based on Improved Convolutional Neural Network	
陈子浩, 李仁旺	183
基于多目标蛇优化算法的非侵入式负荷监测研究 Research on Non-Invasive Load Monitoring Based on Multi-Objective Snake Optimization Algorithm	
肖月, 杨超, 农宝翔, 刘康, 王飘.....	194

基于 JACK 的汽车座椅的舒适度仿真分析与调整建议

Comfortability Simulation Analysis and Adjustment Suggestions for Car Seats Based on JACK

刘安玲, 朱盈霏, 王卫星 204

订单驱动的服装供应链生产自动化协同 Petri 网模型

An Order-Driven Automated Production Collaborative Petri Net Model in Garment Supply Chain

徐月梅, 董平军 213

注意力机制在图神经网络模型中的算法研究

Algorithm Research of Attention Mechanism in Graph Neural Network Model

陈丹阳, 张长伦 225

基于生物降解后对流 - 弥散 - 吸附微分方程的模拟与研究

Simulation and Study Based on Convection-Dispersion-Adsorption Differential Equation after Biodegradation

王哲, 杨渠钊, 卢灏, 陈静琳, 梁兰青, 吴延科 239

基于差分进化 - 灰狼混合算法的低碳低成本优化模型

Low-Carbon Low-Cost Optimization Model Based on Differential Evolution-Grey Wolf Hybrid Algorithm

王烜波, 李仁旺 247

S-CO₂ 向心透平 CFD 数值模拟方法研究

Research on CFD Numerical Simulation Method for S-CO₂ Centripetal Turbine

薛松松, 杨其国, 侯胜亚 255

基于爆炸冲击下 PVB 夹层玻璃的数值模拟

Numerical Simulation of PVB Laminated Glass Based on Blast Impacts

朱根平 265

基于声表面波技术的 1 ps 精度时间间隔测量方法研究

Research on 1 ps Precision Time Interval Measurement Based on Surface Acoustic Wave Technology

杨喆钜, 陈之纯, 卜朝晖, 江贤峰, 郑其斌, 唐高明 276

YOLOv5-W 桥梁裂纹实时检测算法

YOLOv5-W Bridge Crack Real-Time Detection Algorithm

史鸣凤, 董琴, 郭乃瑄, 许铭 290

全国碳市场碳交易价格的影响因素及预测研究

Research on Influencing Factors and Prediction of Carbon Trading Price in National Carbon Market

郭建平, 邵烁 304

基于 ANSYS Workbench 转向直拉杆有限元分析 Finite Element Analysis of Steering Drag Link Based on ANSYS Workbench	
丁一	314
染色机喷嘴缝隙的流动分析与结构优化 Flow Analysis and Structural Optimization of Gaps in Dyeing Machines Nozzle	
褚利权, 钱淼, 赵航	324
基于 ANSYS 的轴承座建模与仿真分析 Modeling and Simulation Analysis of Bearing Housing Based on ANSYS	
崔晓晴	336
钉扣锁眼一体机的结构设计及仿真分析 Structural Design and Simulation Analysis of Nail Button and Eyelet Integrated Machine	
孙梦琪, 张永炬, 李仁旺, 张莉, 张佳豪	347
基于预训练 - 微调策略的电影票房预测 Movie Box Office Prediction Based on Pre-Train and Fine-Tuning	
赵瑞, 张明西, 杨薪, 钟昌梅, 王博闻, 符云杰	358
基于喉部振动的语音自动识别系统的设计 Design of Automatic Speech Recognition System Based on Throat Vibration	
陆心怡, 卜朝晖	365
基于蜂窝状流场结构电解池性能研究 Research on the Performance of Electrolytic Cell Based on Honeycomb Flow Field Structure	
孙海林, 郝亮	377
基于导叶端弯优化工业汽轮机的级性能 Optimization of Stage Performance of Industrial Steam Turbine Based on Bowed Nozzle Guide Vane	
贺陈晨, 刘庆龙, 林安妮, 陈榴, 戴韧	387
文丘里定风量阀的阀芯绕流阻力系数研究 Study on the Spool Turbulence Resistance Coefficient of Venturi Constant Air Volume Valve	
郝凯新, 应志平, 吴震宇, 张瑞琪	398
古代玻璃制品的成分分析与鉴别 Analysis and Verification on Components of Ancient Glass Products	
陈月, 陈文俊, 刘海萍, 舒常江	408
R290 用焓差实验室制冷剂泄漏模拟分析 Laboratory Refrigerant Leak Simulation Analysis with Enthalpy Difference for R290	
周宇游, 李征涛, 彭家驹, 陈剑云, 马林泉, 廖李平	421

人工智能背景下员工亲组织非伦理行为的形成机制仿真研究

System Dynamics Simulation on the Action Mechanism of Unethical Pro-Organizational Behavior

于文婷, 刘生敏 430

延安地区太阳高度角和方位角建模及核桃树阴影变化分析

Modeling Solar Altitude and Azimuth, and Analyzing Walnut Tree Shadow Patterns in Yan'an Region

朱梦婷 442

基于深度学习的模糊遮挡船号文本识别

Deep Learning-Based Recognition of Blurred Ship Identification Text in Maritime Context

余胜任 450

NCM622 三元动力电池热失控蔓延抑制的实验与建模研究

Experimental and Modeling Study on Thermal Runaway Propagation Inhibition in NCM622 Ternary Lithium-Ion Batteries

陈蔚靖 460

基于齿向修形的抛物线锥齿轮仿真分析

Simulation and Analysis of Parabolic Bevel Gears Based on Axial Modification

付诗翔, 张波, 张瑜 468

基于模糊 PID 的折叠机控制方法研究

Research on the Control Method of Folding Machine Based on Fuzzy PID

谢铭浩, 孙磊, 屠佳佳, 宣海枫, 史伟民 477

无人机遂行飞行中的纯方位无源定位

UAVs Carry out Azimuth-Only Passive Localization in Flight

梁磊, 李浩然, 王耀, 舒常江 488

基于 WPD 与功率谱熵的铣削颤振仿真识别

Simulation Identification of Milling Chatter Based on WPD and Power Spectrum Entropy

顾于青, 邱彬彬, 李卫东 498

基于 LSTM 模型的电厂传感器点位预测

Prediction of Power Plant Sensor Point Based on LSTM Model

田霄阳, 张明西, 王博闻, 符云杰, 周飞, 刘洲, 胡高斌, 姚怡豪 506

基于 COMSOL Mutiphysics 的粒子悬浮效果模拟仿真研究

Simulation and Modeling Study of Particle Suspension Effects Based on COMSOL Multiphysics

吴龙文 514

宁波中银大厦超高层施工竖向变形分析研究 Analysis and Research on Vertical Deformation of Super High-Rise Construction of Ningbo Bank of China Tower	
吴桂龙, 蒋峰, 李沛	523
风电圆锥滚子主轴承接触轮廓修型分析 Contact Profile Modification Analysis of Tapered Roller Main Bearing in Wind Turbine	
梁星海, 杨超君	529
基于 CFD 的风机叶片修复机器人结构设计及优化 Structural Design and Optimization of Fan Blade Repair Robot Based on CFD	
王毅, 王靖, 周荣成, 潘捷, 方宇, 张海峰, 沙玲, 范狄庆, 刘景君	539
协作机器人结构设计及齿轮传动系统仿真 Structural Design and Gear Transmission System Simulation of Collaborative Robots	
施振凯, 张华, 李正军	549
风 - 光 - 氢多能互补综合能源系统的优化配置 Capacity Optimization Configuration of Wind/PV/Hydrogen Multi-Energy Complementary System	
朱新瑶, 李偲加, 李泽秋, 黄蓓佳	563
区块链系统 L-顽固策略的安全问题研究 Researches on Security Issues of L-Stubborn Strategies in the Blockchain System	
黄超, 刘亚, 唐伟明, 任艳丽	576
基于 3D CMFF 深度网络模型的肺结节分类 Classification of Pulmonary Nodules Based on 3D CMFF Deep Network Model	
刘一展	588
基于流固耦合的水箱结构优化设计 Optimization Design of Water Tank Structure Based on Fluid Structure Coupling	
秦建明, 何鹏, 汪溯, 李宁, 李攀	597
基于有限元仿真铝基碳化硅磨削参数研究 Research on Grinding Parameters of Aluminum-Based Silicon Carbide Based on Finite Element Simulation	
倪安杰	611
基于无人机视觉检测的铁路行人侵限实时监测和预警系统 Real-Time Monitoring and Early Warning System for Railway Pedestrian Encroachment Based on UAV Visual Detection	
刘占豪, 杨羊, 陈俊铭, 王涛, 高海明	623

基于 DigSILENT 计及负荷分布与三相不平衡的合环电流建模计算与试验分析 Modeling Calculation and Experimental Analysis of Closed-Loop Current Based on DigSILENT Considering Load Distribution and Three-Phase Imbalance	
罗勇, 何宇霸, 高文梅, 陈诚, 孙涛, 陈世威.....	631
基于 HUPERWORK 的燃料电池端板结构拓扑优化分析 Topology Optimization of Fuel Cell End Plates Based on HUPERWORK	
熊可辉, 陈杨杨	643
考虑联合运行的碳捕集虚拟电厂调度模型 Scheduling Model of Carbon Capture Virtual Power Plant Considering Joint Operation	
张三杰, 李军祥, 屈德强, 孔得朝.....	649
基于度和介数的供应链网络级联失效研究 Research on Cascading Failure of Supply Chain Network Based on Degree and Betweenness	
孙兢业	661
基于正交试验的液体动静压球轴承动态特性数值分析 Numerical Analysis of Dynamic Characteristics of Spherical Hybrid Sliding Bearing Based on Orthogonal Experiment	
卢明明, 张俊杰	669
基于期望的概率休眠促进合作的演化 Evolution of Expectation-Based Probabilistic Dormancy Promote Cooperation	
闫俊伟, 尚丽辉	679
基于 Midas Gen 的某悬索桥辅塔液压自爬升平台安全性分析 Safety Analysis of Hydraulic Self-Climbing Platform for Auxiliary Tower of a Suspension Bridge Based on Midas Gen	
李沛, 潘夸世, 吴桂龙	688
多工况分析下汽车驱动桥壳轻量化设计 Lightweight Design of Automotive Drive Axle Housing under Multiple Operating Conditions Analysis	
周威宏	701
微创手术机器人主手多目标优化与冗余关节规划 Multi-Objective Optimization and Redundant Joint Planning of Minimally Invasive Surgical Robot Master Hand	
牛国君, 庞福坤	717
基于 AMESim 的不同充电方式下磷酸铁锂电池老化仿真分析 Simulation Analysis of Lithium Iron Phosphate Battery Aging under Different Charging Modes Based on AMESim	
于健	730

碳化硅陶瓷超声振动运动轨迹以及磨削力建模

Modeling of Ultrasonic Vibration Trajectory and Grinding Force of Silicon Carbide Ceramics

谢家富 737

2030 年碳达峰刚性约束下的产业结构优化

Industrial Structure Optimization under Rigid Constraints of Carbon Peak by 2030

吴晓莹, 杨洲木 748

基于卡尔曼滤波算法的刀片电池温度估计

Blade Battery Temperature Prediction Based on Kalman Filter Algorithm

丁鹏 760

基于一种新策略的级联失效鲁棒性研究

Study on Cascading Failure Robustness Based on a New Strategy

易敏慧 770

金属工件热能去毛刺的数值模拟研究

Numerical Simulation Study of Thermal Deburring of Metal Workpieces

王昊, 于玉真, 赵金库, 刘贺 781

基于 Workbench 的发动机连杆优化

Optimization of Engine Connecting Rods Based on Workbench

任乐 791

基于 Transformer 模型的高光谱图像分类算法研究

Research on Hyperspectral Image Classification Algorithm Based on Transformer Model

赵尚子欣, 袁嘉豪, 董岩, 陈倩 799

汽车发动机曲轴有限元分析及优化设计

Finite Element Analysis and Optimal Design of Automobile Engine Crankshaft

刘静 807

基于 ADAMS 的协作机械臂运动学分析与仿真

Kinematic Analysis and Simulation of Collaborative Robotic Arm Based on ADAMS

胡明欢, 王磊 817

一种三元锂电池析锂特性以及检测方法研究

Research on Lithium Evolution Characteristics and Detection Method of a Ternary Lithium Battery

吴思杰 828

基于 COMSOL 的锂离子电池热失控仿真研究

Thermal Runaway Simulation of Lithium Batteries Based on COMSOL

戴明威 838

基于 Simulink 仿真平台的电动汽车容量融合估计研究 Research on Electric Vehicle Capacity Fusion Estimation Based on Simulink Simulation Platform	
张凯	847
中空纤维膜除湿器除湿过程对除湿效率的影响因素研究 Research on the Influencing Factors of Dehumidification Efficiency during the Dehumidification Process of Hollow Fiber Membrane Dehumidifiers	
李岳高, 赵军	857
基于 SEA 的上肢康复机器人按需辅助控制策略 Assist-as-Needed Control Strategy for Upper Limb Rehabilitation Robots Based on Serial Elastic Actuators (SEA)	
金耀祥, 韩古尔沁旭日海, 喻洪流, 杨建涛	866
转子 - 轴承故障多通道振动信号分析方法 Multi-Channel Vibration Signal Analysis Method for Rotor-Bearing Faults	
卞文慧, 王景玉	875
基于稀疏表示的轨道波磨检测方法研究 Rail Corrugation Detection Method Based on Sparse Representation Research	
俞晓媛	888
四旋翼无人机应用 INDI 实现容错控制的稳定性分析与仿真 Stabilization Analysis and Simulation of a Quadrotor UAV Applying INDI for Fault-Tolerant Control	
吴金遥	902
电动汽车电池包直冷板仿真 Simulation of Direct Cooling Plate for Electric Vehicle Battery Packs	
陈连杰, 沈凯, 贺斌, 王贺	913
基于自适应参数的 VMD-SVM 谐振接地系统故障选线方法 Adaptive Parameter-Based Fault Routing Method for VMD-SVM Resonant Grounding System	
李志明, 刘晓波, 陈再航	923
基于 GWO_SVM 的非侵入式负荷识别研究 Research on Non-Invasive Load Recognition Based on GWO_SVM	
肖月, 杨超, 王飘	932
锂离子电池模型研究进展 Research Progress on Lithium-Ion Battery Models	
陈超强	941

锯齿结构对带襟翼的 NACA2418 翼型的气动及噪声影响

Study on the Aerodynamic and Noise Effects of Serrated Structure on NACA2418 Flap Airfoil

张秉瑕, 杨培, 贺陈晨, 陈榴 954

基于 CAE 仿真计算的堆栈式 PZT 材料本构特性的研究

Study of the Constitutive Properties of Stacked PZT Materials Based on CAE Simulation Calculations

陈捷基, 陆俊, 倪骁骅 965

基于通道混洗和注意力机制的轻量缺陷检测算法

A Lightweight Defect Detection Algorithm Based on Channel Shuffling and Attention Mechanism

黄轶凡, 黄之文, 金涛 976