

## Table of Contents

001_MEMAT2022	<b>Optimal design of permanent magnet direct drive motor for wind power cooling fan</b> <i>YingLi Niu, BingYi Zhang</i>
002_MEMAT2022	<b>Digital Electron Beam Deflection Scan Graphics Generator Based on DSP</b> <i>Hongyan Wei, Bolin Li, Chenyang Zhang, Kanglong Zhang</i>
003_MEMAT2022	<b>Random vibration analysis of airborne electronic device with dry friction isolator</b> <i>Xue Yang, Changwu Xiong</i>
004_MEMAT2022	<b>An Identification Method for Mechanical Parts Using on Deep Learning with Single Shot-multibox Detector MobileNet</b> <i>Junfeng Liu, Yong Fan, Shuqin Wu, Zhenghao Liang, Wu Xie, Liye Fu</i>
005_MEMAT2022	<b>A Green Welding Process Planning Evaluation Method and Its Application</b> <i>Chao Wang, Hua Zhang, Wei Yan</i>
006_MEMAT2022	<b>Design of triple-connected dual-contact silicone button and the button-PCB assembly relationship analysis</b> <i>Changhua Tang, Xiaosong Ma</i>
007_MEMAT2022	<b>Study on Dynamic Characteristics of Photoelectric Platform of A Tracked Anti-aircraft Gun</b> <i>Tai-ping Zhang, Chen Chen, Guang-wei Cheng, Zhi-wei Lin, Hua-ting Wang, Hu Tan</i>
008_MEMAT2022	<b>Development of the key circuit of the corrosion monitoring system based on the field signature method</b> <i>Yonggang Qi, Rujiao Duan, Xuyun Yang and Zhe Liu</i>
009_MEMAT2022	<b>Design and research of automated batch cutting equipment for PCB substrate</b> <i>Chuanshang Ji, Hailang Liu, Zhiguo Peng, Caimin Huang, Binjun Ma, Haiyang Liu</i>
010_MEMAT2022	<b>A research of 3D wiring in an active phased array antenna</b> <i>Zhao Zhang, Guo Liang, Shi-Chao Chen, Jian Wang</i>
011_MEMAT2022	<b>The identification of robot joint stiffness based on the 3D point cloud measurement of robot end displacements</b> <i>Haochen Han, Xiaoqin Zhou, Lizhao Chen, Chao Feng, Xinyue Du, Biyu Zhang</i>
012_MEMAT2022	<b>Design and manufacture of water filtration equipment for aquatic products</b> <i>Fei Xie, Yuefeng Yuan, Jiasheng Wang</i>
013_MEMAT2022	<b>Optimization design of a new type of water absorption testing machine for building sanitary ceramics</b> <i>Yujun Zhu, Wenjin Zhou, Ze Wang, Hui Gao</i>
014_MEMAT2022	<b>Rubber inflatable automatic cleaning device for circular floating net cage</b> <i>Jinlong Liu, Lei Zhu, Jun Yao, Yun Xiao</i>
015_MEMAT2022	<b>Experimental Study of a Shoe-Embedded Human Mechanical Energy Harvester</b> <i>Zheren Zhang, Haimei Han, Yonghu Liang, Ping Zhang</i>
016_MEMAT2022	<b>Design of borehole trajectory measuring instrument based on STM32</b> <i>Xiaofei Wang, Dianrong Zhang</i>

017_MEMAT2022	<b>Finite element static analysis and anti overturning check of an auxiliary arm for a special manipulator</b> <i>Weiwei Zhang</i>
018_MEMAT2022	<b>Design and application analysis of bridge cranes in heavy cargo wharves</b> <i>Yiqin Li, Muhan Deng</i>
019_MEMAT2022	<b>Design of Omni-directional Mobile Robot Based on SLAM</b> <i>Chuqiao Lu, Huangze Ai, Shaoyue Shi</i>
020_MEMAT2022	<b>Multi-functional Electric Standing and Walking Aids</b> <i>Hongxu Xin, Qi Wu, Yingnan Lu, Lu Han, Xiaoyu Zhao, Renren Bao</i>
021_MEMAT2022	<b>Drop impact analysis for spent fuel assembly under transportation conditions</b> <i>Youchen Fan, Dianchao Xiao, Yuxin Liu, Sujuan Guo, Hehui Wang</i>
022_MEMAT2022	<b>Optimization design of mechanical structure of 6-DOF Platform Based on Newton iterative method</b> <i>Wenchao Luo, Yuyu Zhu, Yuwen Luo</i>
023_MEMAT2022	<b>Investigation of Reliability Verification for Civil Aircraft Airborne Equipment</b> <i>Peng Lu</i>
024_MEMAT2022	<b>Research on the beating-up device based on high-thickness and high-density preforms for force-increasing weaving</b> <i>Xisong Cai, Yaowu Wang, Guangshen Xu</i>
025_MEMAT2022	<b>Research on the optimization of the hinge point position of the rock drilling rig's working device based on ADAMS</b> <i>Yi Li, Le Gao</i>
026_MEMAT2022	<b>Simulation study of electromagnetic lens parameters of melting electron gun based on CST</b> <i>Tengfei Tang, Hailang Liu, Gao Yue, Zhiguo Peng, Jie Tang, Wei Ning</i>
027_MEMAT2022	<b>Development of Portable Near Infrared Spectroscopy Device and Its Application in Rapid Nondestructive Detection of Strawberry Quality</b> <i>Feng-jun Guo, Dong-jie Chen, Yu-hua Zhang, Fei-hong Long, Ze-yu Zou, Chang-feng Zhang, Ying Zhu, Jing Huang</i>
028_MEMAT2022	<b>Thermal Design and Verification of Two-dimensional Steering Remote Sensing System with Multi-optical Axis at GEO Orbit</b> <i>Qingle Kong, Feng Yu, Yunbin Wang, Yang Wang, Yue Zhang, Wenshuo Yang, Yinxue Yan</i>
029_MEMAT2022	<b>Design of remote control system for ground target</b> <i>Lin-rui Zhang, Jun Xiao, Wei-wei Zhang, Xu-guang Zhang</i>
030_MEMAT2022	<b>Topology optimization design and test verification of bracket under multi-load conditions</b> <i>Cunyi Wang, Bin Zhang, Changxi Zhao, Jiayong Yan, Zhengang Yan, Licheng Liu, Yongcheng Li</i>
031_MEMAT2022	<b>How to construct a full-range low-drive optical switch</b> <i>Dehai Shi, Junyu Zhang, Jing XIAO, Shirong Chen</i>
032_MEMAT2022	<b>Stability and steady-state response investigation of two-pole generator rotor based on solid element</b> <i>Zhaoli Zheng, Zhenxing Zhao, Xiaohu Yang, Ping Song, Wei Wang</i>

033_MEMAT2022	<b>Mechanical Behavior Analysis of SRM during Cooling Process after Curing</b> <i>Yuxin Liu, Youchen Fan, Dianchao Xiao, Hehui Wang, Weize Wang</i>
034_MEMAT2022	<b>Response Surface Optimization and Stress Analysis of Crankshaft Fillet Rolling Process Parameters</b> <i>Le Li, Qiuyun Mo, Shengyao Lin, Yanyan Liu, Rongbin Guo, Guoqiang Wang</i>
035_MEMAT2022	<b>The Vibration Characteristics Analysis on Operating Arm of Rectangular Coordinate Robot</b> <i>Wei Han, Shaozong Wang, Qian Zhang, Zhou Li, Qin He</i>
036_MEMAT2022	<b>Establishment of dynamic model of automatic tool changing manipulator</b> <i>Jihong Zhang, Jiming Zhang</i>
037_MEMAT2022	<b>Thermal circulating air purification device based on ecological anion</b> <i>Huanjie Huang, Xuyun Wang, Jingyi Ye, Yinghao Zhang</i>
038_MEMAT2022	<b>Optimal Design and Mechanical Analysis of the Parallel Four-bar Based Lifting Device for a Novel Pallet Truck</b> <i>Bo Yang, Kun Liu, Hailong Lv</i>
039_MEMAT2022	<b>Application of deep learning in target grasping of machine arm</b> <i>Sirui Li</i>
040_MEMAT2022	<b>Inverse Kinematic Analysis and Simulation of the SCARA Robot Based on Recurrent Neural Networks</b> <i>Runsheng Hao</i>
041_MEMAT2022	<b>A finger mechanism of underactuated manipulator and its kinematics analysis based on principle of metamorphic mechanism</b> <i>Lele Sun, Haiou Zhang, Haitao Yang, Mingxin Liu</i>
042_MEMAT2022	<b>Build-in Test Design for Civil Aircraft Radio Altimeter</b> <i>Shilei Shen</i>
043_MEMAT2022	<b>Research on Airworthiness compliance design of civil aircraft emergency evacuation</b> <i>Qinpeng Dong, Yang Wu</i>
044_MEMAT2022	<b>Design and Realization of Online Safety Valve Leakage Monitoring System Based on Acoustic Emission Technology</b> <i>Wei Zhang, Yi Jiang, Funing Yang</i>
045_MEMAT2022	<b>In-cylinder combustion simulation of 4190 diesel engine with natural gas addition</b> <i>Shiquan Feng, Shenglong Zhang, Pingping Dong, Jing Wang, Xing Zhong</i>
046_MEMAT2022	<b>Fabrication structure design of liquid marbles</b> <i>Heming Xiong, Xiaoxian Shi, Chenghao Wang, Jinglu He, Xue Chen</i>
047_MEMAT2022	<b>Research on interface design of construction Machinery based on intelligent trend</b> <i>Wei Liu</i>
048_MEMAT2022	<b>The disc brake disc is designed to be lightweight</b> <i>Tong Shuai Zhang, Xiu Sheng Chen, Guo Dong Lv, Meng Wei Li, Yao Jia Tan, Fei Fan Shi</i>
049_MEMAT2022	<b>Design of the head and tail orientation system of fish</b> <i>Chen-yang Li, Hui-yong Shan, Chen-hao Zhang, Yun-chen Tian, Yong Wei</i>

050_MEMAT2022	<b>Design Analysis and Optimization of Ergonomics of Bach Car Based on College Students</b> <i>Hongjian Liang, Xueyuan Liu, Guodong Xu, Xin Zhao, Shuheng Wang, Lilin Liu, Taiyu Ning</i>
051_MEMAT2022	<b>Research on Heat Dissipation Device for Closed Shaft Elevator</b> <i>Shuangchang Feng, Jie Chen, Yanchun Liang, Haixiang Xu</i>
052_MEMAT2022	<b>Design of an automatically adjustable oil cup for elevator guide rail</b> <i>Shuangchang Feng, Jie Chen, Wenhao Shen</i>
053_MEMAT2022	<b>Research on the Typical Programs of Hypersonic Vehicle in the United States</b> <i>Yuan Wang, Chuansheng Liu, Jian Wang, Ju Tian</i>
054_MEMAT2022	<b>Development of Adjustable Pressure Gas Flow Test Device</b> <i>Shi Xin</i>
055_MEMAT2022	<b>Research on Typical Application of Space Rapid Response Launch</b> <i>Feng Wu, Yang Liu, Ailiang Zhang, Xiuluo Liu, Min Wang</i>
056_MEMAT2022	<b>Research on Operation Safety Risk Identification and Disposition Method for Civil Aircraft</b> <i>Youshi Zheng, Zhe Dong</i>
057_MEMAT2022	<b>Detection and identification device of electric appliance</b> <i>Xinglin Qin, Xiaohan Lv, Jiayu Zhou, Zhenghong Liu</i>
058_MEMAT2022	<b>Study on Switched Reluctance Generator for Energy Recycling of Engine exhaust on Vehicles</b> <i>Jianwei Li</i>
059_MEMAT2022	<b>Enhanced Gate Oxide Integrity Degradation and Reliability Improvement Due to Halo Implant Based on 0.153um CMOS</b> <i>Liqi An, Zhengyu Lin, Dejin Wang, Xiaofeng Sun, Haoyu Wen, Xiaohong Liu</i>
060_MEMAT2022	<b>Simulation Analysis of High Pressure Common Rail Injector</b> <i>Peng Chen, Hui Chen, Yusheng Ju</i>
061_MEMAT2022	<b>Research on Measurement Method of Solid-Liquid Interface in Space Material Science Experiment</b> <i>Peng Liu, Kaidi Yang, Xi Chen, Min Wu, Hu Li, Shaoyu Hu, Haidong Zhu</i>
062_MEMAT2022	<b>Study on Forming and Mechanical Properties of Precision Shaped wire</b> <i>Xiaohong Zhou</i>
063_MEMAT2022	<b>Frequency optimization strategy of wind storage in power system</b> <i>Jingyu Bi, Gensuo Mi, Lei Gao, Yankuai Wang, Jianfei Niu</i>
064_MEMAT2022	<b>Analysis of electron beam surface quenching performance and Simulation and verification of temperature field of 35CrMo Steel</b> <i>Chenyang Zhang, Shaolin Li, Hongyan Wei, Bolin Li, Kanglong Zhang</i>
065_MEMAT2022	<b>Meshing performance analysis for real discrete flank of hypoid gears</b> <i>Shuai Wang, Bin Li, Xuyang Fang, Yongbao Wang, Jianjun Yang</i>
066_MEMAT2022	<b>Research on On-orbit Plastic Forming Technology and Equipment for Thin-walled Metal Pipe</b> <i>Congfa Zhang, Biao Li, Lin Li, Xingwen Yang, Jingtao Han</i>
067_MEMAT2022	<b>Shear strength of joint formed using Sn-58Bi/Cu porous structure via TLP bonding</b> <i>Bifu Xiong, Huixiu Lu, Yuhao Bi, Jiaqiang Huang, Siliang He</i>

068_MEMAT2022	<b>Analysis and optimization of swing frame structure of grader</b> <i>Yanxin Zhao, Le Gao</i>
069_MEMAT2022	<b>Lightning direct effect protection on composite structure of civil aircraft</b> <i>Duo Zhang, Chao Chen</i>
070_MEMAT2022	<b>Study on Mechanical Properties of P91 Steel Testing by Self-made Microindenter</b> <i>Chao Yang, Mingcheng Sun</i>
071_MEMAT2022	<b>Evaluation of Green Manufacturing Mode of Automobile Manufacturing Enterprises based on SSA-BPNN Model</b> <i>Ruijuan Yang, Jiale Song, Mingcheng Guo</i>
072_MEMAT2022	<b>Fine Modeling and Mechanical Properties Analysis of Tensioning Wire Clip Structure</b> <i>Zhihui Chen, Yupei Peng, Ruibin Chen</i>
073_MEMAT2022	<b>Research and Application of Different Types of Fuel Cells</b> <i>Hao Cheng, Ru Wang, Chongchu Zhang</i>
074_MEMAT2022	<b>Local Rapid Cooling Technology of High Strength Steel Sheet</b> <i>Xiao Liang, Xianjun Li, Xiyue Lin, Jiaheng Chen, Tao Yang, Ping Luo, Runzhe Chen, Wenliang Zhang, Junqing Hou, Huasheng Xie</i>
075_MEMAT2022	<b>Study on the lightweight of Commercial Vehicle Cab Considering Passive Safety</b> <i>Zhen-zhen Cai, Fu-yun Liu, Liang-liang Zhao, Kai-yang Liu, Ju-cai Deng</i>
076_MEMAT2022	<b>Automatic crane based on machine vision and route tracking</b> <i>Jingyi Ye, Xuyun Wang, Huanjie Huang, Yinghao Zhang</i>
077_MEMAT2022	<b>Research on Appearance Surface Machining Technology of Aluminum Alloy Shell for 3C Products</b> <i>Runping Shi, Zhengxi Hu</i>
078_MEMAT2022	<b>Thermal Optimization of Liquid Cooling System based on Multi-microchannel cold-plates in Servo Driver</b> <i>Lin Tao, Jiading Bao, Ping Zhang</i>
079_MEMAT2022	<b>Research on sound insulation performance analysis of tractor engine hood</b> <i>Xiang Liu, Xintan Ma, Shun Wang</i>
080_MEMAT2022	<b>Mechanical properties of large-size AlCoCrFeNi<sub>2.1</sub> eutectic high-entropy alloy via hot-rolling followed by annealing</b> <i>Zhe Liu, Zhiping Xiong, Kaixuan Chen, Xingwang Cheng</i>
081_MEMAT2022	<b>Dynamic simulation analysis of wire rope tension testing machine breaking test based on ADAMS</b> <i>Wei-lin Gu, Xiao-yang Li, Hui Wang, Wei-hua Cui</i>
082_MEMAT2022	<b>Determine the cornering performance of two vehicles by simulating Lane Change and U-Turn motions using Python</b> <i>Chenyu Liu</i>
083_MEMAT2022	<b>An investigation on the dynamic characteristics of the rotor system of combined cycle power plant</b> <i>Zhaoli Zheng, Zhiwu Ke, Xiaohu Yang, Guangming Cao, Shaodan Li</i>
084_MEMAT2022	<b>Design Method and Characteristic Analysis of Disc Cam with Translating Follower</b> <i>Chunling Yu, Zhenshan Fu, Jin Ding</i>

085_MEMAT2022	<b>Research Progress on formation mechanism of edge straight crack in hot rolled steel plate</b> <i>Weining WANG, Guanghong SHENG, Zhi-you LIAO, Haichuan WANG, Shengtao QIU</i>
086_MEMAT2022	<b>Simulation and optimization for the green manufacturing system of a particleboard manufacturer</b> <i>Yi Xu, Yiwen Liu</i>
087_MEMAT2022	<b>High Cycle Fatigue Behavior of Impeller Material Ti-5Al-2Zr-4Mo-4Cr Considering Surface Roughness <math>R_a</math></b> <i>Qizhen Ge, Peng Ge, Jinlong Wang, Zhaoguo Hu</i>
088_MEMAT2022	<b>Experimental Study on Vibration Characteristics of a Triple-gear Rotor System Based on the Triple-frequency Band Energy Entropy</b> <i>Xinran Wang, Wen Li, Xing Wang, Dongxu Hu, Haisheng Chen</i>
089_MEMAT2022	<b>Performance analysis of natural cooling gravity heat pipe heat sink</b> <i>Hao Chen, Yang Chen, Pengfei Xu</i>
090_MEMAT2022	<b>Sorting method for retired power batteries – Principal component analysis and clustering based on dynamic parameters</b> <i>Yuxi Liu</i>
091_MEMAT2022	<b>Study on Microstructure and Properties of TC4 Sheets with Different Rolling Thickness</b> <i>Xiaofeng Dong, Mingyu Zhang, Xu Yue, Xiaole Tong, Zaijiang Yang, Xuexin Yang</i>
092_MEMAT2022	<b>Green Manufacturing Evaluation of Heavy Equipment Based on Fuzzy Comprehensive Evaluation</b> <i>GuangLei Xu</i>
093_MEMAT2022	<b>Force analysis and energy harvester scheme determination of vertical axis wind turbine</b> <i>Qiuyun Mo, Yanyan Liu, Rongbin Guo, Guoqiang Wang, Le li</i>
094_MEMAT2022	<b>Numerical simulation of flow behavior in electron beam welding pool of 10mm thick 2A12 aluminum alloy</b> <i>Jie Tang, Hailang Liu, Gao Yue, Zhiguo Peng, Tengfei Tang, Biyang Chen</i>
095_MEMAT2022	<b>Development of a deployable boom using elasticity alloy</b> <i>Biao Li, Congfa Zhang, Cong Sheng, Xiao Li</i>
096_MEMAT2022	<b>Preparation and modification of Arborvitae seed shell Powders</b> <i>Huadong Qin, Wenfang Guan, Xiaohui Song, Yishen Ye, Zhi Ma</i>
097_MEMAT2022	<b>Influence of soldering residual stress on modal characteristics of printed circuit board assembly</b> <i>Hongqiao Shen, Yihao Lin, Yao Huang, Yi Zheng, Yubing Gong</i>
098_MEMAT2022	<b>Fabrication of microencapsulated phase change materials using microfluidics</b> <i>Chenghao Wang, Ruxu Liu, Lincong Li, Xue Chen</i>
099_MEMAT2022	<b>Visualization and heat transfer characteristics of MWCNTs/water nanofluid in a pulsating heat pipe</b> <i>Miaowei Liu, Caihang Liang, Zhenxing Li, Yuxiang Hong, Meilan Zhou</i>
100_MEMAT2022	<b>Marangoni-driven dynamics of a volatile droplet on the liquid layer</b> <i>Lincong Li, Ruxu Liu, Chenghao Wang, Heming Xiong, Xue Chen</i>

101_MEMAT2022	<b>Performance Comparison Between Bayerische Motoren Werke AG M3 &amp; Chevrolet Cavalier over Lane Change, U-Turn, Sharp U-Turn Using Dynamic Force Model Analysis</b> <i>Wenjie Xu</i>
102_MEMAT2022	<b>Research on process parameters of casting cleaning based on diamond grinding wheel grinding</b> <i>Xinlei Wang, Zhaoxian Gu, ShaoZong Wang, Wenjuan Rong, Erbiao Jiang, Ailing Zou</i>
103_MEMAT2022	<b>Influence on structure and properties of SiCp/Al composite electronic packaging box components fabricated by various centrifugal casting processing parameters</b> <i>Xuedong Lin, Changming Liu, Linxian Che</i>
104_MEMAT2022	<b>Research on Tolerance Analysis of Structural Deviation for Civil Aircraft</b> <i>Suxiao Wang, Peng Liu</i>
105_MEMAT2022	<b>The Optimal Scheme of Ethanol to C4 Olefins</b> <i>Yuyan Yang, Yongmiao Yang, Qiang Wang, Guangming Shao</i>
106_MEMAT2022	<b>Experimental research on the performance of a new fire-fighting and rescue floating rope</b> <i>Guang Han, Dongxing Yu, Ning Wang, Xin Wang, Xian Wu</i>
107_MEMAT2022	<b>Study on Structural Optimization Design and Performance of Spherical Conical Big Hole Liner</b> <i>Shang-jie Li, Ling Wei, Wen-jie Zhao, Yuan Liu, Wan-quan Li, Kun Lu</i>
108_MEMAT2022	<b>Study on combined synergetic activated sludge dewatering technology based on ultrasonic-microwave-low temperature cycle process</b> <i>Xingfu Xue</i>
109_MEMAT2022	<b>Study on the double-layer filtration performance of the shutter filter</b> <i>Shuo Zhang, Ruhua Wang, Jiajiong Xu, Jian Wang</i>
110_MEMAT2022	<b>Standardization Analysis of Manufacturing Technical Specifications for Imported Civilian Nuclear Safety-level Intelligent Equipment for Nuclear Power Plants</b> <i>Jingyuan Yang, Yuan Yao, Chenggang Yang, Yangyang Chen, Zhijia Yang</i>
111_MEMAT2022	<b>Research on the Identification Method of the Critical&amp;Important Parts and its characteristics of Civil Aircraft Systems</b> <i>Zhe Dong</i>
112_MEMAT2022	<b>Customer sensitivity assessment of civil aircraft manufacture deviations</b> <i>Feng Yu</i>
113_MEMAT2022	<b>Study on Two-dimensional Flexible Maintenance Strategy Based on Equipment Usage Rate</b> <i>Jiabin Zhao</i>
114_MEMAT2022	<b>Effect of loading rate on dynamic properties of plastic concrete under triaxial loading</b> <i>Ruijun Wang, Zhiliang Cao, Yang Li, Qi Shi, Yao Zhang</i>
115_MEMAT2022	<b>New Section-Electrothermal Paraffin Removal Method in Oil Wells</b> <i>Wei Guo, Aifeng Yang, Yongli Ji</i>
116_MEMAT2022	<b>Study on the Combustion Performance of Layer-by-Layer Self-assembled P-N-Si Flame Retardant on Epoxy Resin</b> <i>Kangren Zhou, Yuan Yu, Tingting Chen, Gang Chen</i>

117_MEMAT2022	<b>Research on the Method of Testing the Impact Resistance of Industrial Ceramic Tiles</b> <i>Tao Tian, Haibo Dang, Chen Wang, Jingyuan Jia</i>
118_MEMAT2022	<b>Discussion on the uniformity of wear resistance test methods for glazed ceramic tile and unglazed ceramic tile</b> <i>Ming Gong, Zicong Lei, Bei Shang, Gang Feng, Huayu Lei, Jing Lei</i>
119_MEMAT2022	<b>Subject: Preparation and Property of Glass Fiber/ Epoxy Resin Composite</b> <i>Tao Tian, Chen Wang, Haibo Dang, Ying Lei</i>
120_MEMAT2022	<b>Technical optimization on separation and purification of eugenol from clove buds and stem</b> <i>Shibo Huang</i>
121_MEMAT2022	<b>Improve on test method of surface flatness of ceramic tiles</b> <i>Renjie Chen, Yuming Liu, Tao Tian, Zhanqi Wang</i>
122_MEMAT2022	<b>Research on Combined Strength and Strategy of Equipment Manufacturing Enterprise Based on Fuzzy Comprehensive Evaluation</b> <i>Huiyuan Wu</i>
123_MEMAT2022	<b>Analysis on the Application of Automation Technology in Automobile Mechanical Control System</b> <i>Fang Deng, Jian Wang, Yunfei Jiang, Jing Li, Zhizhuo Qiu, Chuanyu Jiang</i>
124_MEMAT2022	<b>Study on stress mechanism of lattice spread-footing foundations for wind turbines based on soft ground</b> <i>Jianjun Xu, Kang Chen, Yunfeng Yang, Wenqiang Meng, Fenghua Zhang, Huaiwu Peng, Yu Xi, Wuting Zou</i>
125_MEMAT2022	<b>Analysis of Measurement Uncertainty of Crankshaft Comprehensive Measurement Follow-up System</b> <i>Yongfa Zhao, Hongxi Wang, Yaxiao Wang</i>
126_MEMAT2022	<b>The Research and Application of Modular Automatic Spray Glaze Line</b> <i>Lin Gan, Qian Zhou, Qinglong Mo</i>
127_MEMAT2022	<b>Impact of Matiari-Lahore HVDC Transmission Grid-Connection on Pakistan Power Grid Security and Stability</b> <i>LeLe Yue, YuQiang Hou, FuHong Min</i>
128_MEMAT2022	<b>Autonomous Driving Tool Development and Visualization</b> <i>Yuepeng Hu, Dawei Qin, Yuzhe Wang, Yucheng Cui, Hengrui Zhang</i>
129_MEMAT2022	<b>Statistical control method based on optimal control theory with state observer for active suspension system</b> <i>Jianwei Wu, Qiubo Jiang, Qidi Fu, and Beibei Sun</i>
130_MEMAT2022	<b>Design of remote control system for coal mine equipment</b> <i>Fengxia Cheng</i>
131_MEMAT2022	<b>Simulations and Turning Tests on BMW and Chevy Chervolet</b> <i>Yiming Zhang</i>
132_MEMAT2022	<b>New Compound Control Strategy of Plasma Cutting Power Supply under Sudden Change of Transferred Arc</b> <i>Long Chen, Qi Li</i>
133_MEMAT2022	<b>A robust system calibration method for the fringe projection profilometry</b> <i>Wenjie Li, Zonghui Zhang, Tuanxing Li, Yang Huang, Zhansi Jiang, Zhengdong Tan, Tengfei Li, Meikuan Huang, Xingyu Gao</i>



134_MEMAT2022	<b>Decision-making control method of saponification value of rare earth extraction based on BP neural network</b> <i>Liangjie Wu, Peng Gao</i>
135_MEMAT2022	<b>Automatic identification and route tracking crane</b> <i>Xuyun Wang, Huanjie Huang, Jingyi Ye, Yinghao Zhang</i>
136_MEMAT2022	<b>Simulation study on the influence of accumulator inflation pressure on the control accuracy of rolling mill screwdown system</b> <i>Zhenkun Luo, Dandan Wang, Yongyang Zhang, Engao Peng</i>
137_MEMAT2022	<b>Robot automatic spraying of propeller blade virtual workstation</b> <i>Shuo Qin</i>
138_MEMAT2022	<b>Simulation Analysis of Stamping Forming of Oil Tank Shell</b> <i>Xiaoying Wang</i>
139_MEMAT2022	<b>Investigate the Differences Between both the U-Turn and The Lane-Change of BMW3 and Chevy Cavalier</b> <i>Yang Gao, Enze Liu, Haochen Zhang</i>
140_MEMAT2022	<b>Research on The Application of Anti-Collision Control System in Target Vehicle Safety</b> <i>Lin-rui Zhang, Jun Xiao, Xu-guang Zhang, Wei-wei Zhang</i>
141_MEMAT2022	<b>Brushless DC motor control based on improved single neuron PID algorithm</b> <i>Wen-Hao Feng</i>
142_MEMAT2022	<b>Fault prognosis for complex system based on Bayesian network</b> <i>Xue Zhao</i>
143_MEMAT2022	<b>Active Noise control of commercial Vehicle Engine based on NALMS algorithm</b> <i>RongJiang Tang, HongBin He, Bo Lin, YongYou Wei, JuCai Deng, ChaoKun Shi</i>
144_MEMAT2022	<b>An Energy-efficient Current Controller for Linearizing Electromagnetic Negative-Stiffness Spring</b> <i>Peng Jiang, JiHeng Ding, Yi Sun, Min Wang</i>
145_MEMAT2022	<b>Modeling of FMCW lidar detection technology based on optisystem</b> <i>ZhongYang Zhang, Yuan Kong, YiFei Wang, Gang Li</i>
146_MEMAT2022	<b>Digital control time-delays affected controller design of UPS inverter</b> <i>Gang Rao, Guorui Wang</i>
147_MEMAT2022	<b>Research on Torque Control System of Robot Joint Motor Based on MATLAB / Simulink</b> <i>Wei Cheng, Kai-wu Cai, Jin Xiao, Fu-kang Qu</i>
148_MEMAT2022	<b>Impact Simulation Analysis of Spent Fuel Assembly Drop Accident</b> <i>Dianchao Xiao, Youchen Fan, Yuxin Liu, Sujuan Guo, Hehui Wang</i>
149_MEMAT2022	<b>Effect of wind-driven vibration on the deformation of heliostat mirrors at different tilt angles</b> <i>Shangang Ma, Ruobing Li, Fubo Jin, Ning Xin</i>
150_MEMAT2022	<b>Design of MPCVD automatic cooling control system</b> <i>Wenbin Lou, Tianping Ren</i>
151_MEMAT2022	<b>Research on Anti-Shake and Image Stabilization Control Strategy of Handheld Aiming Device</b> <i>Peng Yang, Bairuocheng Ren, Shixun Fan, Dapeng Fan</i>

152_MEMAT2022	<b>Bearing Fault Diagnosis Based on Multiscale Sample Entropy and Improved Support Vector Machine</b> <i>Yingqian Sun, Daidi Zhao, Xiaodong Wen</i>
153_MEMAT2022	<b>Research on artillery fuzzy intelligent diagnosis system</b> <i>Ge Wang, Zhiwei Lin, Yongliang Yang, Junchao Zhao, Ji Fan</i>
154_MEMAT2022	<b>Experimental Investigation on Ultrasonic Vibration Assisted Helical Grinding of Internal Threads in SiC<sub>p</sub>/Al MMCs</b> <i>Xiaoxing Gao, Qilin Li, Songmei Yuan</i>
155_MEMAT2022	<b>Design of Substation Auxiliary Equipment Remote Control System Based on ZigBee</b> <i>Chaojie Wang, Mingxing Tian, Zhenzhen Zhou</i>
156_MEMAT2022	<b>Intelligent Detection Method of Zonal Safety Analysis for Large Civil Aircraft</b> <i>Lei Liang, Wenwen Kang, Ying Liu</i>
157_MEMAT2022	<b>Research on the Failure Prediction of Aircraft Engine-Driven Hydraulic Pump</b> <i>Linlong Ma, Xixi Yan, Xue Zhao</i>
158_MEMAT2022	<b>Fault diagnosis of rolling bearing based on CEEMDAN reconstruction and fast spectral kurtosis</b> <i>Xuguang Li, Liyou FU, Guangxiao Zhu</i>
159_MEMAT2022	<b>Line load network detection and fault location device</b> <i>Xiayu Zhang, Mingxin Yang, Lixiang Gao, Tao Liu</i>
160_MEMAT2022	<b>Automated Test Platform for Vehicle Telematics System</b> <i>Siyu Jiang, Bingyu Huang, Le Ma, Libiao Jiang, Xiaolin Liu, Jin Xie</i>
161_MEMAT2022	<b>Magnetic Bearing: State- Of-The-Art and Future Research Directions</b> <i>Yanfeng Liu, Qiuheng Shen, Peiyi Liu</i>
162_MEMAT2022	<b>A Recursive Terminal Sliding Mode Fault-Tolerant Control for Free Floating Space Robots</b> <i>Wanxing Tang, Haiping Ai, Li Chen</i>
163_MEMAT2022	<b>Research on Location Method of Workshop Manufacturing Resources Based on RFID</b> <i>Limin Jia</i>
164_MEMAT2022	<b>Research on Motion Control System Based on Industrial Robot CMC Chip</b> <i>Qing Guo, Xingyu Gao, Cunji Zhang, Ying Wang, Jianfei Chen</i>
165_MEMAT2022	<b>The study of the fastest turning speed of U-turn</b> <i>Yiyang Che, Yuchen Wei, Xinbo Zhou</i>
166_MEMAT2022	<b>Seal failure analysis and improvement measures of a hydraulic control valve in spacecraft water treatment subsystem</b> <i>Yan Wang, Yun Li, Benhua Zhao, Jing Yang</i>
167_MEMAT2022	<b>Smooth control of low-frequency junction temperature fluctuation for SiC MOSFET based on combined regulation methods</b> <i>Hui LI, Junke WU, Yunpeng WEI, Haidong YAN</i>
168_MEMAT2022	<b>Research on Rotor Pump Speed Control System Based on BP Neural Network PID Control</b> <i>Jianhua Zhang, Weitao Han, Chang Wang, Xiangli Li</i>

169_MEMAT2022	<b>LLC resonant converter based on PFM-Burst hybrid control</b> <i>Gang Rao, Ziyuan Zhang</i>
170_MEMAT2022	<b>A sensitivity analysis on the transmission error of a 2-stage gearbox</b> <i>Daixing Lu, Hao Wang, Runtao Zhu, Ye Shen</i>
171_MEMAT2022	<b>End motion control strategy based on fermented grains</b> <i>Chang Wang, Zhaomin Wu, Jianhua Zhang, Xiangli Li</i>
172_MEMAT2022	<b>Study on Motor Soft Start</b> <i>Jing Fang</i>
173_MEMAT2022	<b>Research on Elevator Door Opening Force Tester</b> <i>Shuangchang Feng, Jie Chen, Yanchun Liang, Chen Wang</i>
174_MEMAT2022	<b>Discussion on layered string structure and sealing inspection method of injection well</b> <i>Hongbin Gao</i>
175_MEMAT2022	<b>An Analysis Method of LRU Accessibility in Civil Aircraft Maintainability Design Process</b> <i>Ruoxi Liang, Qunfeng Ye, Xian Li, Xucheng Wu</i>
176_MEMAT2022	<b>Key Technologies of Optimal and Fast Drilling for Ultradeep Wells in Yuanba Area</b> <i>Hongshan Zhao, Wenfei Li, Zhigang Zhou</i>
178_MEMAT2022	<b>The comparison and analysis of BMW and Chevrolet completing U-turn</b> <i>Haohui Wang</i>
179_MEMAT2022	<b>Research on unmanned vehicle trajectory tracking control strategy based on model predictive control</b> <i>Zhiqiang Liu, Xi Ye, Tonghui Qian, Linwen Yu</i>
180_MEMAT2022	<b>Research on Multi-objective Flexible Flow Shop Scheduling Problem Based on Improved NSGA-II</b> <i>Xiyuan Mo, Cunrong Li</i>
181_MEMAT2022	<b>Machine-vision based method for edge and surface crack detection in ceramic tile</b> <i>Yong Zhao, Yibo Zhao, Rongyong Liu, Jiangli Yan, Yang Zhang, Yanhua Peng, Yu Liang, Yang Huang</i>
182_MEMAT2022	<b>Simulation of spatial linkage landing gear based on integrated physical and visual modeling</b> <i>Zhexu Liu, Zhen Zhao</i>
183_MEMAT2022	<b>Calculation model of alcohol content based on LSTM and SAPSO-BP</b> <i>Xiangli Li, Jianwei Shang, Chang Wang, Jianhua Zhang</i>
184_MEMAT2022	<b>Multi sensor indoor location method based on Neural Network</b> <i>Wei Yu, Yingsong Chen</i>
185_MEMAT2022	<b>A lifting type intelligent digital stereo garage</b> <i>Wenqing Zhang, Qiang Zhang, Yishu Zhang</i>
186_MEMAT2022	<b>Fatigue Life Prediction of Wind Turbine Blade Based on Damage Mechanics</b> <i>Xulong Wang</i>
187_MEMAT2022	<b>Special-shaped cigarette checking system based on AIoT technology</b> <i>Chengxi Li, Xianghui Jiang, Linbo Lu, Tong Zhang, Jiashe Liao</i>

188_MEMAT2022	<b>Multi Rotor UAV Monitoring System Based on Microservice</b> <i>ZhongHua Han, DeYong Fa, LiYing Yang, Dan Shan</i>
189_MEMAT2022	<b>Mechanical Modeling of Fracturing Proppant in Horizontal Well and Study on Mechanism of Reflowing Sand</b> <i>Yapeng Xie, Dan Li, Yan Lai, Yuanjuan Song, Jianbing Zhang, Luyan Ju, Haiying Wang</i>
190_MEMAT2022	<b>Fuzzy Comprehensive Evaluation Method of Engineering Curriculum Ideology and Politics Based on Extended Triple Helix Model</b> <i>Qiuyun Mo, Shuilong He, Rongjiang Tang, Weihao Liu, Wangyun Li</i>
191_MEMAT2022	<b>Research and application of key technologies of brain computer interface</b> <i>Nan Zhao, Shouwei Gao, Jun Zhang</i>
192_MEMAT2022	<b>Modeling and Finite Element Analysis of 495 Diesel Engine Camshaft</b> <i>Anjie Yang, Ke Li, Xinfei Wang</i>
193_MEMAT2022	<b>Research on driving simulator based on VR virtual technology</b> <i>Wenting Jin, Yanjie Li</i>
194_MEMAT2022	<b>Overview of Multi-sensor fusion in Autonomous Vehicles</b> <i>Yujie Zou, Fei Liu, Jingjing Qu, Hui Jing, Bing Kuang, Gang Wang, Hang hang Li</i>
195_MEMAT2022	<b>Study on local vibration modal analysis of new scientific investigation ship based on finite element method</b> <i>Xiangyi Zou, Baogang Li, Linchang Ye</i>
196_MEMAT2022	<b>Simulation of Human Footsteps Monitoring Using a Triboelectric Nanogenerator based on a Self-powered TENG Intelligent carpet</b> <i>Mohammed Hussein Ahmed Alanesi, Daoguo Yang</i>
197_MEMAT2022	<b>Machine vision based method for automated defect detection of raw silk</b> <i>Shaolei Xu, Guoping Ge, Yu Liang, Yang Huang</i>
198_MEMAT2022	<b>Aero-engine dynamic modeling based on flight parameter data and BP neural network</b> <i>Shuaiguo Li, Jingbo Peng, Weixuan Wang</i>
199_MEMAT2022	<b>Structural health dynamic monitoring method of long-span bridge based on NB-IoT</b> <i>Qingxin Guo, Peijun Liu</i>
200_MEMAT2022	<b>Multiple Attack Detection Method of Power Intelligent Terminal Based on LSTM Neural Network</b> <i>Yue Guo, Liang Dong, Yan Zhuang, Guowei Zhu, Hui Yuan, Xiang Li</i>
201_MEMAT2022	<b>The Output Characteristic of Texture Tactile Sensor Based on the Inverse-magnetostrictive Effect and the Surface Texture Detection</b> <i>Lili Wan, Jinfeng Yuan, Yong Zhang, Bowen Wang</i>
202_MEMAT2022	<b>Anomaly detection and early warning model of high-frequency data based on local anomaly factor algorithm</b> <i>Xinyu Zhang, Wenjie Xie, Ziyang Wu</i>
203_MEMAT2022	<b>Identification of Crop Growth Period Based on Convolution Neural Network</b> <i>Chunjun Zheng, Ning Jia</i>
204_MEMAT2022	<b>Numerical analysis of gear transmission error based on a 6-DOF gear misalignment model</b> <i>Daixing Lu, Runtao Zhu, Hao Wang, Ye Shen</i>

205_MEMAT2022	<b>Research on PMSM Torque Estimation Based on Improved BP Neural Network Model</b> <i>Shuaixiang Du, Shouqi Wei, Jianing Liang</i>
206_MEMAT2022	<b>Shape prediction of the BGA solder joint in hot air reflow soldering based on CFD</b> <i>Yi Zheng, Junxiong Fang, Liuyan Wei, Hongqiao Shen, Yubing Gong</i>
207_MEMAT2022	<b>Modeling and design method of physical loop logic model for three-dimensional design of substation secondary system</b> <i>Congying Wu, Liu Han, Qingyuan Zhou, Bing Wu</i>
208_MEMAT2022	<b>Surface Defect Recognition of Strip Steel Based on Fuzzy Broad Learning System</b> <i>Zhi Teng, Riqiang Liang, Hao Cheng, Zengmin Xu, Guangbin Wang, Zhansi Jiang</i>
209_MEMAT2022	<b>Research on real-time tracking and positioning system of product materials in industrial Internet of Things</b> <i>Limin Jia</i>
210_MEMAT2022	<b>Computational Dynamics of modeling BMW M3 and Chevrolet Cavalier's U-turn and Lane Change</b> <i>Xiaowei Ma, Haiwei Shi, Lyukangcheng Wang, Kangrui Zhu</i>
211_MEMAT2022	<b>Mathematical model for comprehensive error analysis of NC machine tool machining process</b> <i>Dan Wang, Xinhua Deng, Siwen Bian, Di Ran, Zhi Han, Xiaofeng Wang, Jiping Li</i>
212_MEMAT2022	<b>Experimental study on kinematics model of wrist rehabilitation combined with EMG</b> <i>Xingyu Gao, Jiahao Xu, Bin Liao</i>
213_MEMAT2022	<b>Modeling the Dynamics of BMW and Chevrolet</b> <i>Tengjiao Sun, Xiangyu Zhang</i>
214_MEMAT2022	<b>Research on vehicle track coupling dynamics model based on equivalent lumped mass method</b> <i>Liwen Zhang, Jiping Song</i>
215_MEMAT2022	<b>Researching on a micro-scale flow sensor under artificial intelligence medical measurement system</b> <i>Yuyang Chen, Junlong Xu, Zhongli Zhang</i>
216_MEMAT2022	<b>Analysis of tire forces in cornering situations using python modelling</b> <i>Jianyi Tan, Zhaohao Wen, Xuzhe Zeng</i>
217_MEMAT2022	<b>Research on Integrated Navigation and Experiment of Intelligent Pusher Robot</b> <i>Jidong Guo, Xiuzhi Li</i>
218_MEMAT2022	<b>Back Propagation Neural Network Based Electrohydrodynamic Printing Accuracy Prediction Study</b> <i>Jingwen Yang, Xiaoyong Chen, Xu Yang, Junhua Zhang</i>
219_MEMAT2022	<b>Computational Modelling and Analyzing of Different Cars When U-turn or Lane-change</b> <i>Ankaer Alimu</i>

220_MEMAT2022	<b>Dynamic Modeling and Simulation of Autonomous Underwater Vehicle with Vectored Thruster</b> <i>Jie Li, Feng Li, Xing Wei</i>
221_MEMAT2022	<b>Phenomenology of non-standard model decay of Higgs boson</b> <i>Yi Zhuang, Yu Liu, Yiqing Tang, Dawei Xiao</i>
222_MEMAT2022	<b>Attentional Group Convolution Neural Network for Light-weight Face Recognition on On-board Computer</b> <i>Zhihao Wang, Libiao Jiang, Siyu Jiang, Qin Wang, Yanming Li, Weilin Zhang, Chunyun Zheng</i>
223_MEMAT2022	<b>Research and Application of Unmanned Submersible Vehicle Facing Polar Ice Formation</b> <i>Tong Lu, Yinke Dou, Yuchen Wang</i>
224_MEMAT2022	<b>Establishment of mathematical model for indoor particle pollutant concentration change and suggestions on the use of air filters</b> <i>Qiong Dong, Enshen Long</i>
225_MEMAT2022	<b>CAE Analysis and Modeling of Material Lightweight Commercial Vehicle Cab</b> <i>Qiang Wu</i>
226_MEMAT2022	<b>Application Research of Kriging Model in Modeling and Simulation of Aircraft Industry Process</b> <i>Yuning Wang, Haijun Yin, Tianjiao Zhang, Mingang Yin</i>
227_MEMAT2022	<b>Analysis of methods for detecting seat temperature of smart toilet</b> <i>Fang Liu, Tianyu Chen, Minjun Tang, Qiaoxin Yang</i>
228_MEMAT2022	<b>Research on the detection technology of Medical Diagnostic X-ray Machine based on machine vision</b> <i>Lingning Zhou, Fanqiang Lin, Danlei Chen, Wenjun Luo, Yue Liu</i>
229_MEMAT2022	<b>Optimizing Artificial Intelligence Algorithms on Data Classification and Generation</b> <i>Daqian Zuo</i>
230_MEMAT2022	<b>Research on emotion perception model based on wearable devices</b> <i>Xu Xu, Lanfei Li, Dongyu Li</i>
231_MEMAT2022	<b>Design optimization of agricultural machinery cab based on behavior analysis</b> <i>Ruitong Gao, Bin Qi, He Zhu, Yanhao Li, Li Wang, Shuhang Zhao</i>
232_MEMAT2022	<b>User-driven design and control of lower limb exoskeleton: an overview</b> <i>Dongqing Shao, Yumeng Yao, Seyed Alireza Moezi</i>
233_MEMAT2022	<b>Study on quantitative optimization of working system of low production and low efficiency oil wells</b> <i>Xiaoling Meng, Xiaochuang Ye, Hongbo Zhang, Xuedong Meng, Min Yang</i>
234_MEMAT2022	<b>An improved three-step phase unwrapping method for phase-shifting based 3D reconstruction</b> <i>Yang Zhang, Yu Liang, Xingyu Gao, Yang Huang</i>
235_MEMAT2022	<b>iJTAG Layout Design Based on Improved Simulated Annealing Algorithm</b> <i>Ke Zeng, Shouhong Chen, Jun Ma, Cui Feng Xu, Yi Zhen Xu</i>
236_MEMAT2022	<b>A novel algorithm of detecting corner points for the contours of lines and arcs</b> <i>Bo Yuan Liu, Ming Chen, Xiao Zhang, Nan Hua Huang, Sheng Lian Lu</i>

237_MEMAT2022	<b>Algorithm Design and Software Development for Parameter Extraction of Welding Seam Feature</b> <i>Xianling Dai, Yi Shen, Mingxin Yuan, Xiang Bian</i>
238_MEMAT2022	<b>A numerical study of surface roughness effects on the flow behavior of Nanofluid in the microchannel</b> <i>Hongyan Huang, Chunquan Li</i>
239_MEMAT2022	<b>Detection Method of Surface Defects of Electronic Components Using the Deep Network of You Only Look Once Version 5</b> <i>Yihao Lin, Yong Fan, Shuqin Wu, Yubing Gong, Wu Xie</i>
240_MEMAT2022	<b>Application of Taylor-Chan Algorithm Based on TDOA in Sound Source Location</b> <i>Zhendong Liang, Wenjun Yi</i>
241_MEMAT2022	<b>Research of reliability distribution model of numerical control machine tool based on ANN model and HPSO algorithm</b> <i>Qingzhong Gong, Yan Huang</i>
242_MEMAT2022	<b>Application Discussion on Building Information Modeling and Three-Dimensional Printing Technology in Ancient Ethnic Architectures</b> <i>Cong Lu, Wen Zhang</i>
243_MEMAT2022	<b>Error Sensitivity Analysis of a Six-DOF Stewart Platform</b> <i>Zhenyu Chen, Di Peng</i>
244_MEMAT2022	<b>3D numerical simulation research on the influence of nozzle and mixing chamber structure on steam ejector performance</b> <i>Linjing Hu, Chaocheng Zhou, Hongyu Chen</i>
245_MEMAT2022	<b>Point cloud data segmentation method of work surface based on RANSAC and octree voxel region growth</b> <i>Bingqiang Dong, Jianfeng Ban, Janhua Li</i>
246_MEMAT2022	<b>Internal rest environment evaluation process and index system establishment in civil aircraft cabin</b> <i>Hongyuan Song, Xiaoliang Tang</i>
247_MEMAT2022	<b>Parameter Optimization of Differential Gear for Electric Vehicles</b> <i>Yuanhua Li, Minglei Han, Lei Jiang</i>
248_MEMAT2022	<b>Deployment impact measurement and analysis of the spaceborne offset-fed truss reflector</b> <i>Hui Wang, Jiang Zhao, Yonggang Xue, Shikun Zheng, Yuan Yao, Lei Zhang</i>
249_MEMAT2022	<b>Fuzzy parameter optimization design of electromagnetic harmonic movable tooth drive</b> <i>Yubo Ren, Rui Wan, Yaoyang Ma</i>
250_MEMAT2022	<b>Research on Numerical Simulation of Static Three-dimensional Wind Turbine Blade Icing</b> <i>Guoqiang Wang, Qiuyun Mo, Yanyan Liu, Rongbin Guo, Le Li</i>
251_MEMAT2022	<b>Laser lidar map construction based on Labview system</b> <i>Xuedong Jing, Litong Du, Jun Guo</i>
252_MEMAT2022	<b>Data Reconstruction for faulty Sensor of chiller Based on Improved Neural Network Algorithm</b> <i>Zimo Zhang, Yunpeng Hu, Yan He, Chuanhui Zhou</i>

253_MEMAT2022	<b>High-speed image processing-based camera measurement system</b> <i>Liuyuanzhi Han, Tao Liu, Zhaowei Zhou, Yutong Chen, Min Yan</i>
254_MEMAT2022	<b>Flow field analysis and structure optimization of non-contact labyrinth seal</b> <i>Luji Wu, Kunlong Li, Linjie Yang, Jingyuan Wang</i>
255_MEMAT2022	<b>A construction Method and Application of Judgment Matrix under the Condition of Mapping</b> <i>Wei Fan, Zhan li Li, Li Zhu, Hong'an Li</i>
256_MEMAT2022	<b>Research on control algorithm of aircraft real fire fire training system</b> <i>Jian-shui Gao, Qing-qiang Wang</i>
257_MEMAT2022	<b>Laser Stripe Center Extraction Based on Ridgeline Tracking Algorithm</b> <i>Gang Rao, Wang Zhang</i>
258_MEMAT2022	<b>Privacy issues involved in data mining and countermeasures</b> <i>Jing Liu</i>
259_MEMAT2022	<b>Investigation of Space Heat Flow Simulation Method for Infrared Camera on IGSO</b> <i>Feng Yu, Ping Zhang</i>
260_MEMAT2022	<b>Data collection system based on the printed circuit board drilling production line</b> <i>Hongyan Shi, Xupeng Hu, Jiaqi Huang, Siyuan Peng, Yonghui Li</i>
261_MEMAT2022	<b>The progress of Kaon Decay and C-P Violation</b> <i>Chenxi Liu, Jianing Hua, Pengbo Xia</i>
262_MEMAT2022	<b>Calculation method of spatial coordinates of shaft parts</b> <i>Yong Gan, Boqiao Zeng, Chenjian Rao</i>
263_MEMAT2022	<b>Structure Strength Calculation and Analysis for the Small Waterplane Area Twin Hull</b> <i>Pan Zhou, Lisha Gao</i>
264_MEMAT2022	<b>Realization and optimization of Sobel edge detection algorithm for Domestic DCU accelerators</b> <i>Hao Zhang, Lin Han, Jingming Xie, Ke Ma</i>
265_MEMAT2022	<b>Edge extraction algorithm of metal parts based on binarization</b> <i>Yong Gan, Chengjian Rao, Boqiao Zeng</i>
266_MEMAT2022	<b>Noise Robust High Resolution Range Profile Analysis in OFDM-Based RadCom Systems</b> <i>Xuanxuan Tian</i>
267_MEMAT2022	<b>Non-contact Taylor-Couette Flow Observation Based on Particle Image Velocimetry Technology</b> <i>Kai-Di Yang, Xi Chen, Min Wu, Peng Liu, Hu Li, Shao-Yu Hu, Hai-Dong Zhu</i>
268_MEMAT2022	<b>Experimental study of synchronous belt defect detection based on improved ICP algorithm</b> <i>Wusheng Tang, Yishi Bai, Jinhua Zhang, Zhiyuan Wei</i>
269_MEMAT2022	<b>An accurate location method of cargo pallets based on multi-line LiDAR</b> <i>Bing Kuang, Yi Chu</i>
270_MEMAT2022	<b>Research on structural sound transmission based on acoustic black hole</b> <i>Yansheng Wen, Shiming He, Weiguang Zheng</i>



<a href="#">271_MEMAT2022</a>	<b>Numerical simulation of Temperature field and stress distribution for Inconel 718 by selective electron beam melting</b> <i>Binjun Ma, Zhiguo Peng, Hailang Liu, Caimin Huang, Chuanshang Ji, Haiyang Liu</i>
<a href="#">272_MEMAT2022</a>	<b>Research and application of cargo location optimization problem</b> <i>Yanxu Lei, Xiaojun Guo, Qiangqiang Liu, Miaomiao Wang</i>
<a href="#">273_MEMAT2022</a>	<b>Calculation model of deformation and stress-resultants of cylindrical helical torsion spring with variable cross-section used in overrunning clutch</b> <i>Yuming Cao, Hongzhi Yan, Minghao Lin, Bo Wen</i>
<a href="#">274_MEMAT2022</a>	<b>Signal Distortion Analyzer Based on C2000</b> <i>Lixiang Gao, Mingxin Yang, Xiayu Zhang, Tao Liu</i>
<a href="#">275_MEMAT2022</a>	<b>Accelerated Defect Detection using Memory Vector Scaling</b> <i>Zhicong Zhu, Zhuliang Yu</i>
<a href="#">276_MEMAT2022</a>	<b>Survey of Safety and Security Verification of Operating System Kernel Based on Formal Method</b> <i>Yingsheng Wang, Yongliang Ni, Juqiu Lin, Xiaoyu Yang</i>
<a href="#">277_MEMAT2022</a>	<b>Analysis of research hotspots and trends of digital twins in the context of intelligient manufacturing</b> <i>Li Wang, Hui Chen, Qian Ye</i>
<a href="#">278_MEMAT2022</a>	<b>Experimental investigation and numerical simulations of the cylindrical machining of a Ti-6Al-4V tree</b> <i>Mohamed Sahli1, David Bassir, Baohua Guo, Thierry Barrière, Gongfa Chen</i>
<a href="#">279_MEMAT2022</a>	<b>Comparison of Four AI Algorithms in Connect Four</b> <i>Yiran Qiu, Zihong Wang, Duo Xu</i>
<a href="#">280_MEMAT2022</a>	<b>A corner-point based online heuristic for the pallet loading problem in intelligent warehouse</b> <i>Yuxiao Zhang, Yaohua Wu, Mingjie Zhang</i>