

安徽工程大学人工智能学院发表论文清单				
序号	论文题目	作者	期刊名称	发表年份
1	Enhancing AGV path planning: An improved ant colony algorithm with nonuniform pheromone distribution and adaptive pheromone evaporation	江本赤	Proceedings of the	2026
2	基于改进双幂次趋近律的无刷直流电机速度控制	刘志博	组合机床与自动化加工技术	2026
3	上肢康复协作机器人运动仿真及力矩特性分析	刘玉飞	淮阴工学院学报	2025
4	基于机器视觉的目标位姿测量方法	赵转哲	佳木斯大学学报	2025
5	Research on the Demodulation Method of Reducer Fault Characteristics Based on Current Signal	赵转哲	2025 4th International	2025
6	Image Registration with Linear Distribution-Based Adaptive Differential Evolution Algorithm	阚宏林	2025 6th International	2025
7	improved multi-strategy aquila optimizer for engineering optimization problems	阚宏林	biomimetics	2025
8	基于位姿追踪的喷涂机器人演示教学方法	方明	安徽工程大学学报	2025
9	基于ICEEMDAN-样本熵-改进WTD的振动信号降噪方法	吴路路	安徽科技学院学报	2025
10	Pressure optimization control of low pressure vacuum systems based on anti-disturbance Smith predictor compensation	吴路路	MEASUREMENT & CONTROL	2025
11	Pressure control method for low-pressure vacuum systems based on mismatch-resistant Smith predictor compensation	吴路路	TRANSACTIONS OF THE	2025
12	SSVEP EEG signal classification model based on EEMD-FastICA-TRCA	刘永明	In Proceedings of	2025
13	基于PDMS辅助热回流的数字灰度光刻方法	黄胜洲	湖北理工学院学报	2025
14	High-fidelity digital lithography method via adaptive curvature segmentation and region-specific fitting for complex patterns	黄胜洲	Optics and Laser	2025
15	Dynamic diversity-driven hierarchical particle swarm optimization method for edge distortion compensation in digital lithography mask	黄胜洲	Optics and Lasers in	2025
16	Method for improving pattern quality of digital lithography system using curvature blur dynamic exposure technique	黄胜洲	Optics and Laser	2025
17	A precise method for compensating shape deviation of hot-pressed glass based on neural network algorithm optimization	黄胜洲	AIP Advances	2025
18	Chaos-enhanced self-adaptive particle swarm optimization with simulated annealing for digital lithography mask optimization	黄胜洲	Journal of Vacuum Science	2025
19	高频涡流阵列探头在CFRP缺陷检测中的应用	程军	振动、测试与诊断	2025
20	基于改进DLO算法的无人叉车同时定位与建图	程军	电子测量技术	2025
21	基于改进迁移学习的CFRP 缺陷涡流检测与识别	程军	机械工程学报	2025
22	高频涡流阵列探头在CFRP 缺陷检测中的应用	程军	振动、测试与诊断	2025
23	基于EED -YOLOv8n的无人机目标检测方法研究	史晨阳	宁夏师范大学学报	2025
24	Portable dual-modal infrared-RGB imaging for automated classification of skin lesions	曲颖洁	Fourth Conference on	2025
25	Machine Learning-Based Thermal Imaging for Vulvar Intraepithelial Neoplasia Detection	曲颖洁	Journal of Biophotonics	2025
26	Research on load-bearing optimization of non-circular gear based on asymmetric pressure angles	李大柱	Advances in Mechanical	2025
27	Compressed Representation of Extreme Learning Machine with Self-Diffusion Graph Denoising Applied	段鑫	JOURNAL OF COMPUTATIONAL	2025
28	Research on a seven-springs parallel vibration isolator with quasi-zero-stiffness and internal force	鞠锦勇	Journal of Mechanical	2025
29	Dynamic modeling and characteristic analysis of an adjustable four-spring	鞠锦勇	Proceedings of the	2025

30	Design and Performance Analysis of an Adjustable Quasi-Zero-Stiffness Connection Device for Robotic Handling System of Elastic Component	鞠锦勇	Journal of Vibration	2025
31	Bidirectional Mamba-Enhanced 3D Human Pose Estimation for Accurate Clinical Gait Analysis	李家宝	Fractal and Fractional	2025
32	Braking Control of Mobile Robots Using Integral Sliding-Mode Algorithm with Composite Convergence Regulation	梁艺	Processes	2025
33	Reconfiguration Control and Cost Analysis of UAV Cluster	彭京徽	International Journal of	2025
34	Disinformation detection technology: a survey	彭京徽	DISCOVER COMPUTING	2025
35	Multi-scenario state of charge adaptive estimation of lithium iron phosphate battery based on impedance timescale information	钱广俊	Energy	2025
36	堆垛搬运机器人定位误差建模及补偿方法	汪步云	机械工程学报	2025
37	Study of a Moment Suspension Mechanism for Off-Road Operation of a Multi-Terrain Mobile Robot	汪步云	Chinese Journal of	2025
38	多地形移动机器人滑移率机理及运动控制研究	汪步云	华中科技大学学报	2025
39	移动机械臂力矩平衡机理研究及其机构设计	汪步云	华中科技大学学报	2025
40	Surface defect detection of wire rope using laser point cloud data and deep learning	王成军	OPTICS AND LASER	2025
41	Geometric Error Modeling of 3-DOF Planar Parallel Manipulators Using Conformal Geometric Algebra	姚辉晶	Machines	2025
42	Performance Study and Machine Learning Model Evaluation of Embedded Micro-Agglomerated Particle TBCs Based on Plasma-Spraying Process	叶东东	COATINGS	2025
43	Research on the Relationship Between the Microstructure of Embedded Micro-Agglomerated Particle TBCs and Their Sintering Resistance Based	叶东东	Coatings	2025
44	A New Algorithm Based on Adaptive SSD-TET and Its Application	赵转哲	2024 Global Reliability	2024
45	Fault Diagnosis Model of Silk Dryer Based on KPCA-POA-KELM	赵转哲	2024 Global Reliability	2024
46	Research on puncture classification method of seed implantation robot based on force/image mode	梁艺	Advances in Mechanical	2024
47	Design of a seed implantation robot with puncture force and image feedback mechanism for prostate cancer brachytherapy	梁艺	International Journal of	2024
48	全向移动光伏清扫机器人清扫特性分析与优化	梁艺	太阳能学报	2024
49	工业机器人用信号发生器机电耦合建模及仿真方法	刘永明	安徽科技学院学报	2024
50	An Efficient Surface Smoothing Method for Microstructures Based on Vibration-assisted Digital Grayscale Lithography	黄胜洲	Journal of Laser	2024
51	DMD maskless lithography optimization based on an improved genetic algorithm	黄胜洲	Japanese Journal of	2024
52	Edge smoothing optimization method in DMD digital lithography system based on dynamic blur matching pixel overlap technique	黄胜洲	Optics Express	2024
53	DMD digital lithography optimization based on a hybrid genetic algorithm and improved exposure model	黄胜洲	Optics Express	2024
54	Efficient mask optimization for enhanced digital lithography quality by improved particle swarm optimization algorithm	黄胜洲	Journal of Vacuum Science	2024
55	Line-Cyclide Intersection and Colinear Point Quadruples in the Double Conformal Model	姚辉晶	Lecture Notes in Com	2024
56	Noncontact visualization of multiscale defects in CFRP composites using eddy current testing with T-R probe	程军	NDT & E International	2024
57	Multi-omics integration with weighted affinity and self-diffusion applied for cancer	段鑫	Journal of Translational	2024
58	Research on simulation method of multiple time scales dissolution process in tube electrode pulse electrochemical machining	方明	Journal of Manufacturing	2024
59	Influence of periodic pulse intake on the ventilation efficiency of positive pressure explosion-proof robot	方明	Scientific Reports	2024
60	Gap compensation control method for robotic electrochemical milling machining based on	方明	The International	2024

61	Rheological characteristics and behaviour prediction of lubricating grease for RV reducer across a wide temperature range	江本赤	The Journal of Engineering	2024
62	Visual measurement of the bearing diameter based on the homography matrix and partial area effect	江本赤	Proceedings of the	2024
63	Rheological characteristics and behaviour prediction of lubricating grease for RV reducer across a wide temperature range	江本赤	Journal of Engineering	2024
64	Helmet wearing detection algorithm based on improved YOLOv5	江本赤	Scientific Reports	2024
65	Vibration Coupling Characteristics and Grinding Force Control of Elastic Component Grinding System	刘玉飞	Mechanical Sciences	2024
66	Design and experimental test of rope-driven force sensing flexible gripper	刘玉飞	Sensors	2024
67	No Reference Image Sharpness Assessment Based on Global Color Difference Variation	史晨阳	Chinese Journal of	2024
68	An Objective Evaluation Method for Image Sharpness Under Different Illumination Imaging Conditions	史晨阳	Photonics	2024
69	Robot motion visual measurement based on RANSAC and weighted constraints method	吴路路	Measurement Science and	2024
70	Research on Modified Thermal Barrier Coatings Against CMAS Corrosion Driven by Mechanism-Data Hybrid Model	叶东东	Coatings	2024
71	CausalKGPT: Industrial structure causal knowledge-enhanced large language model for cause analysis of quality problems in aerospace	周彬	Advanced Engineering	2024
72	基于EEMD-PSO-ELM的RV减速器故障诊断模型	刘永明	计算机集成制造系统	2023
73	Rotate Vector Reducer Fault Diagnosis Model Based on EEMD-MPA-KELM	刘永明	Applied Science	2023
74	Topology optimization of continuum structures based on binary Hunter-Prey optimization algorithm. Symmetry	赵转哲	Symmetry	2023
75	Application of Improved Jellyfish Search algorithm in Rotate Vector reducer fault diagnosis	赵转哲	Electronic Research	2023
76	Robot 3D spatial motion measurement via vision-based method	吴路路	Measurement Science and	2023
77	Research on vision-based robot planar motion measurement method	吴路路	Journal of the Brazilian	2023
78	Visual measurement of the bearing diameter based on the homography matrix and partial area effect	吴路路	Proceedings of the	2023
79	Full-reference image quality assessment based on multi-channel visual information fusion	江本赤	Applied Sciences-Basel	2023
80	基于色貌尺度相位一致性的全参考图像质量评价	江本赤	光学精密工程	2023
81	基于局部色貌的无参考彩色模糊图像质量评价方法	史晨阳	光学技术	2023
82	基于匹配滤波的激光尘埃粒子计数器信号处理方法研究	鲁月林	应用激光	2023
83	No Reference Image Sharpness Assessment Based on Global Color Difference Variation	史晨阳	Chinese Journal of	2022
84	Image Quality Assessment Based on Three Features Fusion in Three Fusion Steps	史晨阳	Symmetry	2022
85	Roundness error evaluation in image domain based on an improved bee colony algorithm	江本赤	Mechanical Sciences	2022
86	Bearing fault classification using improved ant lion optimizer and extreme learning machine	赵转哲	Advances in Materials	2022
87	Adaptive Residual Life Prediction for Small Samples of Mechanical Products Based on Feature Matching Preprocessor-LSTM	刘永明	Applied Science	2022
88	Analysis of coaxiality-geometric hysteresis model of rotate vector reducer based on Ansys-Adams	刘永明	Mechanical Sciences	2022
89	Topology optimization design of an active deformable mirror based on discrete orthogonal zernike polynomials	刘永明	Symmetry	2022
90	全地形移动机器人悬架机构设计及特性分析	汪步云	机械工程学报	2022
91	改进鲸鱼优化算法的空间直线度误差评定	赵转哲	机械科学与技术	2022

92	基于空频去混叠的CFRP材料纤维纹路涡流成像	程军	机械工程学报	2022
93	Coaxiality error compensation and experimental verification of RV reducer test system based on laser displacement sensor	刘永明	Third International	2022
94	基于ADAMS的RV减速器同轴度-传动链误差矢量模型分析	赵转哲	兵器装备工程学报	2022
95	混合CNN-HMM的人体动作识别方法	赵转哲	电子科技大学学报	2022
96	Roundness error evaluation in image domain based on an improved bee colony algorithm	江本赤	Mechanical Sciences	2022
97	An improved sliding mode approach for trajectory following control of nonholonomic mobile AGV	江本赤	Scientific Reports	2022
98	Research on the planning method of robot terminal speed based on task characteristics	江本赤	Journal of Physics	2021
99	Attitude interpolation algorithm for industrial robot based on quaternion method	江本赤	Journal of Physics	2021
100	Precise Compensation for Positional Accuracy of Ultra-Precision Air-Bearing Motion Stage Based on the Self-Calibration Method	黄胜洲	International Journal of	2021
101	Metal-assisted chemical etching of high throughput, high aspect ratio critical-angle transmission gratings with vertical and smooth	黄胜洲	Japanese Journal of	2021
102	Prediction of hydraulic automatic transmission reliability using failure data based on exponential decay oscillation distribution	刘永明	Advances in Materials	2021
103	Design of a seed implantation robot with counterbalance and soft tissue stabilization mechanism for prostate cancer brachytherapy	汪步云	International Journal of	2021
104	Resistive loss considerations in the finite element analysis of eddy current attenuation in anisotropic conductive composites	程军	NDT & E International	2021
105	一种自调零平切型电涡流探头及其在碳纤维复合材料细观成像中的应用	程军	机械工程学报	2021
106	基于改进的二进制蚁狮算法的特征选择模型及应用	赵转哲	计算机集成制造系统	2021
107	具有指数衰减振荡型概率密度变化规律的产品寿命分布模型	刘永明	南京航空航天大学学报	2021
108	Measurement of Directionality in Carbon Fiber Reinforced Polymer Composite with Eddy Current Testing	程军	International Journal of	2020
109	Multi-time scale simulation of pulse electrochemical machining process with multi-physical model	方明	The International	2020
110	Stitching error compensation for large-area microstructures based on digital oblique scanning exposure mode	黄胜洲	Applied Physics	2020
111	Research on Maskless Lithography System Based on Digital Oblique Scanning Strategy	黄胜洲	Journal of Laser	2020
112	A flexible self-calibration method for large-stroke motion stage by using the multi-region stitching strategy based on least square	黄胜洲	Applied Physics	2020
113	Multi-physics Simulation of Heat Transfer in Pulse Electrochemical Machining (PECM) Process	方明	IOP Conference Series:	2019
114	Optimal design of cathode based on iterative solution of multi-physical model in pulse electrochemical machining (PECM)	方明	The International	2019
115	Precise fabrication of large-area microstructures by digital oblique scanning lithography strategy and stage self-calibration technique	黄胜洲	Applied Physics	2019
116	A self-calibration method with high-accuracy and low-cost for large-area motion stage based on digital grating projection mode	黄胜洲	Applied Physics	2019
117	基于轮廓约束点的B样条曲面拟合算法	江本赤	中国机械工程	2015
118	辛普森积分法在双NURBS曲线随动插补中的应用	江本赤	机械科学与技术	2019
119	一种双NURBS曲线的参数迭代插补算法	江本赤	机械科学与技术	2019