

## 机械学院 2019 年发表论文统计

序号	论文题目	作者	发表刊物	期刊类型
1	Dynamic Modeling and Development of Symbolic Calculation Software for N-DOF Flexible-Link Manipulators Incorporating Lumped Mass	陈新元	Shock and Vibration	SCI
2	Molecular-continuum simulation of elevated temperature drag reduction by nanostructure-induced vapor layer	卢 艳	International Journal of Heat and Mass Transfer	SCI
3	A Molecular Dynamics Study of the Atomic-level Surface Structural Phase Diagram for the Existence Form of Nanobubbles and Its Influence in a Dynamic System	卢 艳	Particulate Science and Technology	SCI
4	Drag reduction by nanobubble clusters as affected by surface wettability and flow velocity: Molecular dynamics simulation	卢 艳	Tribology International	SCI
5	Simulation and Validation of Droplet Generation Process for Revealing Three Design Constraints in Electrohydrodynamic Jet Printing	潘艳桥	Micromachines	SCI
6	Unbalance Response of a Magnetically Suspended Dual-rotor System	王念先	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering	SCI
7	Dynamic Characteristics of Magnetic Suspended Dual-rotor System by Riccati Transfer Matrix Method	王念先	Shock and Vibration	SCI
8	The effect of damping coefficient, spring coefficient and mass ratio on the	朱建阳	International Journal of Aerospace Engineering	SCI

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	power extraction performance of a semi-active flapping wing			
9	Power extraction performance of the two semi-active flapping airfoils at biplane configuration	朱建阳	Journal of Mechanical Science and Technology	SCI
10	Molecular dynamics study of rapid boiling of thin liquid water film on Smooth copper surface under different wettability conditions	付 婷	International Journal of Heat and Mass Transfer	SCI
11	Effect of nanostructure on wettability on copper surface: a molecular dynamic study	付 婷	Molecular Simulation	SCI
12	A sustainability evaluation method integrating the energy, economic and environment in remanufacturing systems	张旭刚	Journal of Cleaner Production	SCI
13	A remanufacturing cost prediction model of used parts considering failure characteristics	张旭刚	Robotics and Computer-Integrated Manufacturing	SCI
14	Cutting edge element modeling-based cutter-workpiece engagement determination and cutting force prediction in five-axis milling	段现银	International Journal of Advanced Manufacturing Technology	SCI
15	Tool orientation optimization considering cutter deflection error caused by cutting force for multi-axis sculptured surface milling	段现银	International Journal of Advanced Manufacturing Technology	SCI
16	Tool Condition Monitoring with Multiscale Discriminant Sparse Decomposition	林 昕	Decomposition, IEEE Transactions on Industrial Informatics,	SCI
17	A Balancing Method of Mixed-model Disassembly Line in Random Working Environment	夏绪辉	Sustainability	SCI

序号	论文题目	作者	发表刊物	期刊类型
18	Primal-Dual Learning Based Risk-Averse Optimal Integrated Allocation of Hybrid Energy Generation Plants under Uncertainty	夏绪辉	Energy	SCI
19	Discovery Strategy and Method for Remanufacturing Service Demand Using Situational Semantic Network	王 蕾	IEEE Access	SCI
20	A fuzzy multi-objective immune genetic algorithm for the strategic location planning problem	王 蕾	Cluster Computing-The Journal of Networks, Software Tools and Applications	SCI
21	Characterization of microstructure, mechanical properties and formability for thermomechanical treatment of friction stir welded 2024-O alloys	庞 秋	Materials Science & Engineering A	SCI
22	Preparation and mechanical properties of closed-cell CNTs-reinforced Al composite foams by friction stir welding	庞 秋	International Journal of Advanced Manufacturing Technology	SCI
23	Model and metaheuristics for robotic two-sided assembly line balancing problems with setup times	李梓响	Swarm and Evolutionary Computation	SCI
24	Iterated local search method and mathematical model for sequence-dependent U-shaped disassembly line balancing problem	李梓响	Computers & Industrial Engineering	SCI
25	Mathematical models and migrating birds optimization for robotic U-shaped assembly line balancing problem	李梓响	Neural Computing & Applications	SCI
26	A fast branch, bound and remember algorithm for disassembly line balancing problem	李梓响	International Journal of Production Research	SCI

序号	论文题目	作者	发表刊物	期刊类型
27	Timing decision-making method of engine blades for predecisional remanufacturing based on reliability analysis	王贤琳	Frontiers of Mechanical Engineering	SCI
28	Effects of rotor surface texture on rotary vane actuator end sealing performance	谢良喜	Tribology International	SCI
29	Investigation of the temperature compensation of FBGs encapsulated with different methods and subjected to different temperature change rates	蒋国璋	Journal of Lightwave Technology	SCI
30	Fiber Bragg Grating Displacement Sensor with High Measurement Accuracy for Crack Monitoring	蒋国璋	IEEE Sensors Journal	SCI
31	Experimental Research on Sensing Characteristics of Adhesive-Encapsulated FBG under Alcohol-Disinfection Environment	蒋国璋	IEEE Sensors Journal	SCI
32	An FBG-Based 2-DOF Force Sensing Intraocular Lens Positioning Hook for Cataract Surgery	蒋国璋	IEEE Photonics Technology Letters	SCI
33	A novel energy evaluation approach of machining processes based on data analysis	马峰	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	SCI
34	Mathematical model and grey wolf optimization for low-carbon and low-noise U-shaped robotic assembly line balancing problem	唐秋华	Journal of Cleaner Production	SCI
35	A novel feature extraction method for machine learning based on surface electromyography from healthy brain	李公法	Neural Computing & Applications	SCI
36	Surface emg hand gesture recognition system based on pca and grnn	李公法	Neural Computing & Applications	SCI

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37	Human lesion detection method based on image information and brain signal	李公法	IEEE Access	SCI
38	Dynamic gesture recognition in the internet of things	李公法	IEEE Access	SCI
39	Intelligent human-computer interaction based on surface emg gesture recognition	李公法	IEEE Access	SCI
40	Towards the semg hand: internet of things sensors and haptic feedback application	李公法	Multimedia Tools and Applications	SCI
41	Gesture recognition based on skeletonization algorithm and cnn with asl database	李公法	Multimedia Tools and Applications	SCI
42	Hand gesture recognition based on convolution neural network	李公法	Cluster Computing	SCI
43	Hand medical monitoring system based on machine learning and optimal emg feature set	李公法	Personal and Ubiquitous Computing	SCI
44	Gesture recognition based on an improved local sparse representation classification algorithm	李公法	Cluster Computing	SCI
45	Gesture recognition based on binocular vision	李公法	Cluster Computing	SCI
46	Grip strength forecast and rehabilitative guidance based on adaptive neural fuzzy inference system using semg	李公法	Personal and Ubiquitous Computing	SCI
47	An Optimized Selection Method of Channel Numbers and Electrode Layouts for Hand Motions Recognition	李公法	International Journal of Humanoid Robotics	SCI
48	Intelligent Human Computer Interaction Based on Non Redundant EMG Signal	李公法	Alexandria Engineering Journal	SCI
49	Grasping Force Prediction Based on sEMG Signals	李公法	Alexandria Engineering Journal	SCI

序号	论文题目	作者	发表刊物	期刊类型
50	Modeling and Experimental Study for Online Measurement of Hydraulic Cylinder Micro Leakage Based on Convolutional Neural Network	郭 媛	sensors	SCI
51	Characterization of Ultrasonic Energy Diffusion in a Steel Alloy Sample with Tensile Force Using PZT Transducer	鲁光涛	Sensors	SCI
52	Research on the Durability of Metal-Packaged Fiber Bragg Grating Sensors	郭永兴	IEEE Photonics Technology Letters	SCI
53	Fiber Bragg grating based displacement sensors: state of the art and trends	郭永兴	Sensor Review	SCI
54	Fiber Bragg grating sensor-based monitoring strategy for slope deformation in centrifugal model test	郭永兴	Sensor Review	SCI
55	Optical Fiber based Sensing, Measuring, and Implementation methods for Slope Deformation Monitoring: A Review	郭永兴	IEEE Sensors Journal	SCI
56	A super-harmonic feature based updating method for crack identification in rotors using a kriging surrogate model	鲁志文	Applied Sciences	SCI
57	Analysis of the Fatigue Crack Evolution of Corrugated Web Girders	魏国前	Metals	SCI
58	Fiber Bragg Gratings Based Cyclic Strain Measuring of Weld Toes of Cruciform Joints	魏国前	applied sciences	SCI
59	Robust Tracking Control of MBT Autoloaders with Oscillatory Chassis and Compliant Actuators	郭宇飞	Nonlinear Dynamics	SCI
60	Multi-objective parameters optimization design of self-excited oscillation pulsed	汪朝晖	Journal of the Brazilian Society of Mechanical	SCI

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	atomizing nozzle		Sciences and Engineering	
61	Investigation of self excited oscillation chamber cavitation effect with special emphasis on wall shape	汪朝晖	Transactions of the Canadian Society for Mechanical Engineering	SCI
62	Construction and Numerical Realization of a Magnetization Model for a Magnetostrictive Actuator Based on a Free Energy Hysteresis Model	余 震	applied sciences	SCI
63	An accurate and flexible technique for camera calibration	蒋 俊	Computing	SCI
64	A holographic matrix representation of the metamorphic parallel mechanisms	孙 伟	MECHANICAL SCIENCES	SCI
65	Numerical investigation of cavitation in twin-screw pumps	严 迪	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	SCI
66	Visfatin Level and The Risk of Hypertension and Cerebrovascular Accident: A Systematic Review and Meta-Analysis	于普良	hormone and metabolic research	SCI
67	On the high temperature deformation of a directionally solidified $\gamma$ -TiAl alloy	王 强	Materilas Science and Engineering: A	SCI
68	Microstructures and mechanical properties of directionally solidified C-containing $\gamma$ -TiAl alloys via electromagnetic cold crucible	王 强	Intermetallics	SCI
69	A New Design Method Based on Feature Reusing of the Non-standard	李 贵	Journal of Intelligent Manufacturing	SCI

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	Cam Structure for Automotive Panels Stamping Dies			
70	Intelligent Design and Group Assembly of Male and Female Dies for Holes Piercing of Automotive Stamping Dies	李 贵	International Journal of Advanced Manufacturing Technology	SCI
71	Probability analysis for grasp planning facing the field of medical robotics	孙 瑛	Measurement	SCI
72	Jointly network: a network based on cnn and rbm for gesture recognition	孙 瑛	Neural Computing & Applications	SCI
73	Gesture recognition based on modified adaptive orthogonal matching pursuit algorithm	孙 瑛	Cluster Computing	SCI
74	Decomposition algorithm for depth image of human health posture based on brain health	孙 瑛	Neural Computing & Applications	SCI
75	Research on gesture recognition of smart data fusion features in the iot	孙 瑛	Neural Computing & Applications	SCI
76	Gesture recognition based on multilevel multimodal feature fusion	孙 瑛	Journal of Intelligent & Fuzzy Systems	SCI
77	Multi-object Intergroup Gesture Recognition Combined with Fusion Feature and KNN Algorithm	孙 瑛	Journal of Intelligent & Fuzzy Systems	SCI
78	Visualization of Activated Muscle Area Based on sEMG	孙 瑛	Journal of Intelligent & Fuzzy Systems	SCI
79	Dynamical response of the shaft-bearing system of marine propeller shaft with velocity-dependent friction	黄千稳	Ocean Engineering	SCI
80	Coupled transverse and torsional vibrations of the marine propeller shaft with multiple impact factors	黄千稳	Ocean Engineering	SCI
81	Investigation of lumped-mass method on coupled torsional-longitudinal vibrations for a marine propulsion shaft	黄千稳	Journal of Marine Science and Engineering	SCI



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	with impact factors			
82	Design sensitivity analysis for transient response of non-viscously damped systems based on direct differentiate method	丁 喆	Mechanical Systems and Signal Processing	SCI
83	Microstructure, thermo-mechanical properties and Portevin-Le Chatelier effect in metastable $\beta$ Ti-xMo alloys	罗石元	Materials Science & Engineering A	SCI
84	Application of green-modified value stream mapping to integrate and implement lean and green practices: A case study	张 华	International Journal of Computer Integrated Manufacturing	SCI
85	A Nonempirical Hybrid Multi-Attribute Decision-Making Method for Design for Remanufacturing	张 华	Advances in Manufacturing	SCI
86	A hybrid approach of rough set and case-based reasoning to remanufacturing process planning	江志刚	Journal of Intelligent Manufacturing	SCI
87	An integrated MCDM approach considering demands-matching for reverse logistics	江志刚	Journal of Cleaner Production	SCI
88	Data-driven ecological performance evaluation for remanufacturing process	江志刚	Energy Conversion and Management	SCI
89	Value recovery options portfolio optimization for remanufacturing end of life product	江志刚	Journal of Cleaner Production	SCI
90	A data-driven based decomposition - integration method for remanufacturing cost prediction of end-of-life products	江志刚	Robotics and Computer-Integrated Manufacturing	SCI
91	Optimization of reconditioning scheme for remanufacturing of used parts based on failure characteristics	江志刚	Robotics and Computer-Integrated Manufacturing	SCI

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92	Percussion-based bolt looseness monitoring using intrinsic multiscale entropy analysis and BP neural network	吕 勇	Smart Materials and Structures	SCI
93	Robust fault diagnosis of rolling bearings using multivariate intrinsic multiscale entropy analysis and neural network under varying operating conditions	吕 勇	IEEE Access	SCI
94	An Effective Bearing Fault Diagnosis Technique via Local Robust Principal Component Analysis and Multi-Scale Permutation Entropy	吕 勇	Entropy	SCI
95	A Novel Demodulation Analysis Technique for Bearing Fault Diagnosis via Energy Separation and Local Low-Rank Matrix Approximation	吕 勇	Sensors	SCI
96	A Novel Fault Feature Recognition Method for Time-Varying Signals and Its Application to Planetary Gearbox Fault Diagnosis under Variable Speed Conditions	吕 勇	Sensors	SCI
97	A Fault Diagnosis Method for One-Dimensional Vibration Signal Based on Multiresolution tI sDMD and Approximate Entropy	党 章	Shock and Vibration	SCI
98	A Novel Multi-E ciency Optimization Method for Disassembly Line Balancing Problem	王 蕾	Sustainability	SCI
99	A mechanism model for accurately estimating carbon emissions on a micro scale of the steel industrial system	赵 刚	ISIJ International	SCI

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100	Systematic boundaries in industrial systems: A new concept defined to improve LCA for metallurgical and manufacturing systems	赵 刚	Journal of Cleaner Production	SCI
101	Life prediction mechanism of ladle composite structure body based on simulation technology	李公法	Archives of Metallurgy and Materials	SCI
102	Dynamic modeling and control of adaptive impedance for human-manipulator interaction with uncertainty	陈新元	IOP Conference Series: Materials Science and Engineering	EI
103	Fabrication and evaluation of a printhead with integrated electrodes for electrohydrodynamic jet printing on insulating substrate	潘艳桥	Journal of Physics: Conference Series	EI
104	Effect of Rotation Friction Ratio on the Power Extraction Performance of a Passive Rotation VAWT	朱建阳	International Journal of Rotating Machinery	EI
105	仿生翼型对半主动扑翼捕能性能的影响	朱建阳	工程力学	EI
106	Digital Twin Driven Green Material Optimal-Selection towards Sustainable Manufacturing	向 峰	Procedia CIRP	EI
107	A enhanced interaction framework based on VR, AR and MR in digital twin	向 峰	Procedia CIRP	EI
108	基于五维数字孪生模型的产品生命周期绿色制造新模式	向 峰	计算机集成制造系统	EI
109	Study of the Effect of Tool Orientation on Surface Roughness in Five-Axis Milling of 300M Steel	段现银	International Conference on Advanced Materials, Intelligent Manufacturing and Automation	EI

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110	Semi-Analytical Modelling of Synthetic Static Stiffness for Machining System of Five Axis Machine Tool	段现银	International Conference on Advanced Electronic Materials, Computers and Materials Engineering	EI
111	Tool orientation planning for minimizing surface error in five-axis machining of copper alloy	段现银	International Conference on Advanced Electronic Materials, Computers and Materials Engineering	EI
112	Failure Analysis and Design Improvement of Rotary Vane Actuator Vane Seal	谢良喜	Sealing Technology	EI
113	Lean evaluation system of manufacturing enterprises based on full lifecycle	蒋国璋	International Journal of Wireless and Mobile Computing	EI
114	Intelligent optimisation algorithm of rolling schedule for steel integrated production	蒋国璋	International Journal of Wireless and Mobile Computing	EI
115	Lean rate of posts in different departments based on ANP method	蒋国璋	Journal of Advanced Computational Intelligence and Intelligent Informatics	EI
116	基于改进多目标灰狼算法的装配线平衡与预防维护集成优化	唐秋华	计算机集成制造系统	EI
117	扰动累积下基于机器学习的重调度方式选择	唐秋华	中国机械工程	EI
118	机器故障下加工车间优化重调度方式预测	唐秋华	中国机械工程	EI
119	具有并行制造特征的自动化混流生产线调度模型	唐秋华	计算机集成制造系统	EI
120	多约束装配线平衡问题的可行解存在性分析	唐秋华	计算机集成制造系统	EI

序号	论文题目	作者	发表刊物	期刊类型
121	两阶段方法处理多并行机多缓冲炼钢连铸生产调度问题	唐秋华	计算机集成制造系统	EI
122	Surface emg electrode distribution for thumb motion classification based on wireless communication equipment	李公法	International Journal of Wireless and Mobile Computing	EI
123	Hand motions recognition based on semg nonlinear feature and time domain feature fusion	李公法	International Journal of Innovative Computing and Applications	EI
124	Image Stitching Based on Improved SURF Algorithm	李公法	12th International Conference on Intelligent Robotics and Applications	EI
125	Visual-Based Crack Detection and Skeleton Extraction of Cement Surface	李公法	12th International Conference on Intelligent Robotics and Applications	EI
126	Force Estimation Based on sEMG using Wavelet Analysis and Neural Network	李公法	9th International Conference on Information Science and Technology	EI
127	Review: Genetic algorithm application in gesture recognition	李公法	3rd International Conference on Digital Signal Processing	EI
128	Current situation and development trend of intelligent instruments	郭 媛	The International Conference on Mechanical, Electric and Industrial Engineering (MEIE2018)	EI
129	Coordinated control system of multi-level belt conveyors for promotion the energy efficiency based on IoT-Technology	曾 飞	5th International Conference on Information Science and Control Engineering (ICISCE 2018)	EI

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130	Design of Belt Conveyor Speed Control System of "Internet +"	曾 飞	IOP Conference Series: Materials Science and Engineering	EI
131	Polarization aberration measurement of lithographic tools	许 爽	Optical Metrology and Inspection for Industrial Applications	EI
132	Generalized Transport-of-Intensity Equation Based Space-Frequency Image Signal Analysis	许 爽	International Congress on Image and Signal Processing, BioMedical Engineering and Informatics	EI
133	Particle scattering field calculation and analysis based on Mie scattering theory	许 爽	International Conference on Information Optics and Photonics	EI
134	Application Status of Intelligent CAD in Mechanical Manufacturing	陶 波	Journal of Physics: Conference Series	EI
135	Research Status and Trend of Fault Diagnosis Based on Deep Belief Network	陶 波	Journal of Physics: Conference Series	EI
136	Research Status and Tendency of Intelligent Industrial Robot	陶 波	Journal of Physics: Conference Series	EI
137	考虑形状比的焊趾裂纹扩展行为的数值仿真分析	魏国前	焊接学报	EI
138	考虑多裂纹的焊趾裂纹扩展行为的数值仿真分析	魏国前	焊接学报	EI
139	焊趾多裂纹的试验与仿真研究	魏国前	焊接学报	EI
140	基于剪切涡流运动的自激振荡脉冲射流减阻特性	汪朝晖	机械工程学报	EI
141	Research on Fault Mechanism of Pendulum Shear Bearing Based on Stress and Thermal Analysis and Finite Element Simulation Technology	余 震	DEStech Transactions on Computer Science and Engineering	EI

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142	Fatigue Analysis of Ladle Shell and Prediction of Lining Thickness	宁利川	IOP Conference Series: Materials Science and Engineering	EI
143	Image Enhancement Based on Histogram Equalization	谢元敏	Journal of Physics: Conference Series	EI
144	连续热镀锌生产线中锌层重量影响因素模拟与优化	孔建益	仪器仪表学报	EI
145	Trajectory Tracking of Four-DOF Assembly Robot Based on Quantification Factor and Proportionality Factor Self-tuning Fuzzy PID Control	孙 瑛	International Journal of Wireless and Mobile Computing	EI
146	Image segmentation technology based on genetic algorithm	孙 瑛	ACM International Conference Proceeding Series	EI
147	机械加工工艺单元多分辨率实体动态能效获取方法	张 华	机械工程学报	EI
148	基于目标级联的废旧机械装备多目标优化再设计方法研究	江志刚	机械工程学报	EI
149	A dynamic information transfer and feedback model for reuse-oriented redesign of used mechanical equipment	江志刚	Procedia CIRP	EI
150	A Degradation Identification Method Combining Cost Matrix and Prediction Window Width for Mechanical Equipment	钱新博	International Journal of Performability Engineering	EI
151	The selection method of remanufacturing service knowledge resource based on DANP-GS	夏绪辉	Procedia CIRP	EI
152	Industrial metabolic pathway analysis and flux control for the metallurgical system	赵 刚	Smart Innovation, Systems and Technologies	EI

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153	Manufacturing process-oriented quantitative evaluation of green performance for iron and steel enterprise	赵 刚	Smart Innovation, Systems and Technologies	EI
154	Evolution of carbon emission mechanism of blast furnace iron-making based on metabolic flux balance	赵 刚	Smart Innovation, Systems and Technologies	EI
155	System Level Exergy Assessment of Strategies Deployed for SOFC Stack Temperature Regulation and Temperature Gradient Reduction	唐 诗	Industrial & Engineering Chemistry Research	EI
156	Tire-Pavement Contact Stress Characteristics and Critical Slip Ratio at Multiple Working Conditions	周兴林	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	EI
157	Optical Fiber-Based Sensing, Measuring, and Implementation Methods for Slope Deformation Monitoring: A Review	周兴林	IEEE SENSORS JOURNAL	EI
158	Improved model of weak measurement for detecting the photonic spin Hall effect	周兴林	JOURNAL OF PHYSICS D-APPLIED PHYSICS	EI
159	Roll-to-roll stack and lamination of gas diffusion layer in multilayer structured membrane electrode assembly	唐 伟	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	EI
160	Global Modal Space Control for a Hydraulically Driven Stewart Platform	田体先	The 8th International Conference on Fluid Power and Mechatronics	国际会议
161	A Gradually Diverging-converging Pipe for the Reduction of Aerodynamic Torque of Butterfly Valve Plate	金晓宏	The 8th International Conference on Fluid Power and Mechatronics	国际会议



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162	An Active Compensator for the Weakness of Superfluous Force in the Electro-hydraulic Force Control System with Perturbation of Displacement	金晓宏	The 8th International Conference on Fluid Power and Mechatronics	国际会议
163	Discussion on Electro-Hydraulic Loading System with Negative Elastic Stiffness Based on Mixed Sensitivity Method	金晓宏	The 8th International Conference on Fluid Power and Mechatronics	国际会议
164	Fluctuation of Volumetric Displacement in a Double Cell Vane Motor	金晓宏	The 8th International Conference on Fluid Power and Mechatronics	国际会议
165	Fabrication of a protruding Si-based nozzle structure by MEMS processes for electrohydrodynamic jet printing	潘艳桥	AIP Conference Proceedings	国际会议
166	An analytical model of electric field distribution for single nozzle/plane in electrohydrodynamic jet printing	潘艳桥	AIP Conference Proceedings	国际会议
167	Fabrication of spiral fibre on PET substrate by electrospinning direct-writing for flexible electronics	潘艳桥	Journal of Physics: Conference Series	国际会议
168	Research on Trajectory Planning of Flexible Hydraulic Manipulator Based on Rotary Vane Actuator	谢良喜	2019 The 4th International Conference on Control, Robotics and Cybernetics	国际会议
169	A method for determining longitudinal tear of conveyor belt based on feature fusion,	曾 飞	ICISCE2019	国际会议
170	Belt Conveyor Speed Control Method Considering Elastic Constraint	曾 飞	Icmcs2019	国际会议
171	Polarization aberration analysis in lithographic tools	许 爽	Optical Engineering	国际会议
172	Convolutional Neural Network Based Traffic Sign Recognition System	许 爽	International Conference on Systems and	国际会议

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			Informatics	
173	Two time scales model based robust tracking control of MBTs autoloaders subject to oscillatory chassis and flexible joint	郭宇飞	The 1st International Nonlinear Dynamics Conference	国际会议
174	Badminton robot batting mechanism design and badminton trajectory simulation	孙 伟	IOP Conference Series: Materials Science and Engineering	国际会议
175	平面轨迹机构多目标的运动精度可靠性评价	王兴东	华中科技大学学报(自然科学版)	中文核心
176	结晶器渣厚参数自整定模糊控制系统设计	陈新元	机械设计与制造	中文核心
177	新型地下管廊施工工艺研究	陈新元	施工技术	中文核心
178	加渣机器人渣厚模糊控制系统设计	陈新元	现代制造工程	中文核心
179	结合 SVM 的激光雷达线特征提取算法	蒋 林	计算机工程与设计	中文核心
180	基于双层地图的分段式路径规划	蒋 林	组合机床与自动化加工技术	中文核心
181	融合自适应邻域差分进化的 FastSLAM 算法	蒋 林	机械设计与制造	中文核心
182	柔性仿生机器鱼驱动频率设计原则	赵 慧	机械设计	中文核心
183	人体下肢康复外骨骼机器人仿真分析与实验	赵 慧	机械设计与制造	中文核心
184	被动式电液加载系统的变刚度自适应控制	金晓宏	武汉科技大学学报 (自然科学版)	中文核心
185	基于李雅普诺夫直接法的电液力控制系统稳定性研究	金晓宏	武汉科技大学学报 (自然科学版)	中文核心
186	复杂加载力的电液负载模拟器控制研究	金晓宏	机床与液压	中文核心
187	基于一致性的无人机几何构型协同控制	雷 斌	武汉科技大学学报	中文核心

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188	旋翼间距对微型四旋翼无人机负载特性影响	雷 斌	机械科学与技术	中文核心
189	磁悬浮双转子系统的模态与不平衡响应分析	王念先	轴承	中文核心
190	两自由度扑翼飞行器气动性能研究	朱建阳	机床与液压	中文核心
191	扑翼式风力发电机机构设计与分析	朱建阳	机械科学与技术	中文核心
192	考虑库存缺货的逆向供应链网络规划模型	夏绪辉	现代制造工程	中文核心
193	基于类型和属性的再制造服务匹配方法研究	夏绪辉	组合机床与自动化加工技术	中文核心
194	基于 T-S 模糊故障树的刀架系统可靠性分析	王贤琳	组合机床与自动化加工技术	中文核心
195	基于可靠性分析的主动再制造时域决策	王贤琳	组合机床与自动化加工技术	中文核心
196	基于贝叶斯网络的 3D 打印产品可靠性评估	王贤琳	机床与液压	中文核心
197	基于 Fluent 的 FDM 3D 打印机喷头分析与结构优化	王贤琳	机床与液压	中文核心
198	基于液压摆缸的反铲挖掘机的设计与运动学分析	谢良喜	机床与液压	中文核心
199	基于 51 单片机的液压机械臂闭环控制系统设计	谢良喜	机床与液压	中文核心
200	基于基因表达式编程的单 AGV 加工车间调度规则生成	唐秋华	现代制造工程	中文核心
201	预防维护下装配线平衡的集成优化	唐秋华	武汉科技大学学报	中文核心
202	<u>基于 MATLAB 分析不同形貌对金属表面润湿性能的影响</u>	但斌斌	表面技术	中文核心
203	畸变车牌定位与矫正方法研究	但斌斌	制造业自动化	中文核心
204	<u>热镀锌板隐形锌渣缺陷的典型特征及控制措施</u>	但斌斌	机械工程材料	中文核心

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205	基于神经网络的液压缸内泄漏在线测量研究	郭 媛	液压与气动	中文核心
206	绕线式异步电机三维温度场仿真分析	郭 媛	微特电机	中文核心
207	基于压电阻抗技术的结构初始裂纹监测研究	王 涛	传感技术学报	中文核心
208	多维力传感器动态力反演正则化求解仿真	周兴林	计算机仿真	中文核心
209	基于傅里叶逆变换的三维随机路面建模与仿真	周兴林	重庆大学学报	中文核心
210	基于 NSCT 和加权滤波的遥感图像增强	周兴林	激光与光电子学进展	中文核心
211	基于 GPS-RTK 的车辆跑偏检测系统研究	周兴林	中国测试	中文核心
212	基于分段变维的沥青路表纹理磨光行为分析	周兴林	中国公路学报	中文核心
213	光纤光栅三向力传感器的应变传递特性研究	周兴林	仪表技术与传感器	中文核心
214	路表纹理包络轮廓计算及其对抗滑性能的影响	周兴林	长安大学学报(自然科学版)	中文核心
215	装配式斜交空心板桥横向预应力加固	周兴林	武汉科技大学学报	中文核心
216	基于路表分形摩擦理论的整车雨天制动性能模拟	周兴林	吉林大学学报(工学版)	中文核心
217	小波变换在混凝土冲击回波检测中的应用	刘昌明	中国测试	中文核心
218	考虑短裂纹阶段的焊接结构疲劳寿命分析	魏国前	武汉科技大学学报	中文核心
219	基于 FBG 应变传感器的焊接接头疲劳试验	魏国前	实验室研究与探索	中文核心
220	基于 XFEM 的焊接结构裂纹萌生扩展仿真研究	魏国前	电焊机	中文核心
221	复杂形状焊缝疲劳裂纹演变过程仿真	魏国前	电焊机	中文核心

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222	非高斯粗糙表面的弹性微滑接触问题研究	赵三星	机械设计与制造	中文核心
223	点接触混合润滑闪温分析	赵三星	润滑与密封	中文核心
224	宽厚板立轧非均匀塑性变形机制	阮金华	钢铁研究学报	中文核心
225	四旋翼轴距对下洗气流聚合及抗风扰能力的影响	汪朝晖	机械科学与技术	中文核心
226	自激振荡脉冲射流喷嘴的修正空化模型	汪朝晖	机械设计与制造	中文核心
227	不同供气总压下高压圆盘气体轴承边界层对流换热系数的研究	郭良斌	机械设计与制造	中文核心
228	基于无监督迁移成分分析和深度信念网络的轴承故障诊断方法	徐增丙	武汉科技大学学报	中文核心
229	公差仿真在小型断路器中的应用	徐增丙	机械与电子	中文核心
230	有限元仿真技术在刀具磨损研究中的应用	徐增丙	机械科学与技术	中文核心
231	L 型宽频压电能量收集装置仿真分析与优化设计	余 震	磁性材料及器件	中文核心
232	基于结构光三维视觉角焊缝定位系统的研究	余 震	激光与红外	中文核心
233	超磁致伸缩致动器轴向非均匀磁场仿真分析	余 震	磁性材料及器件	中文核心
234	双足磁吸附五自由度爬行机器人运动学模型构建及求解	余 震	机床与液压	中文核心
235	Research on Engineering Enlightenment Education in Cultivating Engineering Concept for Freshmen in College	汪鸣琦	2019 5th International Conference on Education Reform and Modern Management	中文核心
236	平面含复铰杆组拓扑结构的同构判定方法	孔建益	组合机床与自动化加工技术	中文核心
237	改进 ABC 算法的串联机械臂多目标优化	孔建益	组合机床与自动化加工技术	中文核心

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238	基于 MCM 全反射模型的镀锌层质量测量方法	孔建益	中南民族大学学报(自然科学版)	中文核心
239	热轧无缝矩形钢管截面轮廓理论模型分析	王兴东	塑性工程学报	中文核心
240	基于区域优化的等厚对接焊缝图像二值化方法	王兴东	中国机械工程学报	中文核心
241	二维 PSD 的非线性畸变校正算法	王兴东	武汉科技大学学报(自然科学版)	中文核心
242	研究创新型机械基础教学团队的建设与实践研究	王兴东	教育教学论坛	中文核心
243	基于威胁评估与生物激励神经网络的机器人路径规划研究	熊禾根	高技术通讯	中文核心
244	含复铰运动链的改进邻接矩阵描述及同构判定	孙 伟	机械科学与技术	中文核心
245	仿昆虫柔性翼的空间柔度及模态特征设计	侯 宇	机械设计与制造	中文核心
246	仿生四爪式爬管机器人的运动学分析与仿真	侯 宇	机械设计与制造	中文核心
247	三段式扑翼机构设计及气动力特性分析	侯 宇	计算机仿真	中文核心
248	柔性空间扑翼机构的刚柔耦合动力特性分析	侯 宇	机械设计与制造	中文核心
249	新型径向槽结构静压气体轴承静态特性研究	于普良	润滑与密封	中文核心
250	辐射状均压槽气浮支承静态性能仿真研究	于普良	自动化仪表	中文核心
251	主动静压气体润滑支承的研究进展	于普良	润滑与密封	中文核心
252	医用钴合金表面改性技术的研究进展	于普良	材料导报	中文核心
253	一种五自由度喷涂机器人运动学与振动分析	邹光明	机械设计与制造	中文核心
254	喷雾重叠率对带钢冷却效果的影响	邹光明	武汉科技大学学报(自	中文核心

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			然科学版)	
255	改进 PSO 和机器状态对车间任务调度研究	邹光明	计算机应用与软件	中文核心
256	防雨防暴晒智能晾衣装置的研究	邹光明	机电工程技术	中文核心
257	双足机器人平地行走步态规划的研究	邹光明	机械设计与制造	中文核心
258	仿蝗虫机器人的弹跳腿结构设计与优化	邹光明	机械设计与制造	中文核心
259	先进高强度热镀锌钢板 DP600 镀层本构模型研究	李 贵	机械科学与技术	中文核心
260	柔性石墨纸轧机动刚度薄弱部位辨识与优化	杨金堂	机械设计与制造	中文核心
261	采用响应面法的圆盘造球机可靠性优化设计	杨金堂	组合机床与自动化加工技术	中文核心
262	石煤提钒制球工艺的自动化系统设计	杨金堂	机械设计与制造	中文核心
263	铅酸蓄电池扫描成像系统的研究	杨金堂	机械设计与制造	中文核心
264	应用神经网络和粒子群算法的振动式分选机参数优化研究	杨金堂	机械科学与技术	中文核心
265	碳化物析出对 CrFeCoNi 高熵合金拉伸和腐蚀性能的影响	杜 辉	特种铸造及有色合金	中文核心
266	一种锂电池涂布在线测量边缘拟合方法	刘怀广	光电工程	中文核心
267	锂电池涂布在线测量中的线阵相机标定方法	刘怀广	激光与电子工程	中文核心
268	基于 BPMN2.0 的数控机床主传动系统动态能耗建模	张 华	现代制造工程	中文核心
269	基于 IMPACT2002+的机械加工过程资源环境影响评价方法研究	张 华	现代制造工程	中文核心
270	面向再制造的金属切削机床设计方案评价研究	江志刚	组合机床与自动化加工技术	中文核心

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271	基于分解矩阵的废旧产品拆卸模型研究	江志刚	组合机床与自动化加工技术	中文核心
272	基于正则神经网络的加工特征能效研究	鄢威	组合机床与自动化加工技术	中文核心
273	自适应窗口旋转同步压缩变换及其在电机转速估计上的应用	吕勇	机械强度	中文核心
274	基于改进 ACCUGRAM 的滚动轴承故障诊断方法	吕勇	机床与液压	中文核心
275	基于凸优化的非线性调频模式分解的故障诊断方法	吕勇	机械强度	中文核心
276	基于层次模型的雷诺方程自适应变步长差分算法研究	罗会信	润滑与密封	中文核心
277	等几何法在雷诺方程中的应用	罗会信	机械设计与制造	中文核心
278	产品的可拆卸性再设计——资源的循环利用及污染的源头防治	李颖	工业安全与环保	中文核心
279	基于田口法的 FDM3D 打印机工艺参数能效优化方法	赵刚	组合机床与自动化加工技术	中文核心
280	面向制造过程的钢铁企业绿色性量化评价	赵刚	机械设计与制造	中文核心
281	基于工艺参数响应曲面的 FDM 3D 打印机能耗分析	赵刚	组合机床与自动化加工技术	中文核心
282	基于斜角切削理论铣削功率动态模型研究	赵刚	组合机床与自动化加工技术	中文核心
283	灰色预测模型在自由折弯中的应用	赵刚	锻压技术	中文核心
284	液压挖掘机工作装置的载荷谱测试研究	赵刚	机械设计与制造	中文核心