

机械学院 2020 年发表论文统计

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| 1 | Influence of forging velocity on temperature and phases of forged Ti-6Al-4V turbine blade | 罗石元 | Journal of Materials Research and Technology | SCI |
| 2 | Research on Temperature Control of Heating Furnace with Intelligent Proportional Integral Derivative Control Algorithm | 郑飞龙 | Thermal Science | SCI |
| 3 | Infrared polarization and intensity image fusion based on bivariate BEMD and sparse representation | 朱 攀 | Multimedia Tools and Applications | SCI |
| 4 | Automated Dimensioning Method of Engineering Drawings for Mechanical Products Based on Curve Chain | 李 贵 | Computers Materials & Continua | SCI |
| 5 | Robust Alignment of Multi-Exposed Images with Saturated Regions | 蒋 俊 | IEEE Access | SCI |
| 6 | Investigation of Interfacial Layer for Friction Stir Welded AA7075- T6 Aluminum to DP1180 Steel Joints | 庞 秋 | Journal of Manufacturing Science and Engineering | SCI |
| 7 | Active Control Method Based on Equivalent Stiffness and Damping Coefficient for an Electromagnetic Isolation System | 张 磊 | Applied Sciences-Basel | SCI |
| 8 | Dynamical stability of embedded spinning axially graded micro and nanotubes conveying fluid | 郑飞龙 | Waves in Random and Complex Media | SCI |
| 9 | A Cross-Reference Line Method Based Multiobjective Evolutionary Algorithm to Enhance Population Diversity | 汪朝晖 | Computational Intelligence and Neuroscience | SCI |
| 10 | Baseline-free adaptive crack localization for operating stepped rotors based on multiscale data fusion | 鲁志文 | Sensors | SCI |
| 11 | Intelligent design method and system of trimming block for stamping dies of complex automotive panels | 李 贵 | International Journal of Advanced Manufacturing Technology | SCI |
| 12 | Meso-mechanics and damage evolution of AA5182-O aluminum alloy sheet Based on the GTN model | 李 贵 | Engineering Fracture Mechanics | SCI |
| 13 | Onesided offsetting and smoothing algorithm for complex 3D trimming | 李 贵 | International Journal of Computer Integrated | SCI |

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| 14 | A comparative study of exact methods for the simple assembly line balancing problem | 李梓响 | Soft Computing | SCI |
| 15 | Design and Analysis of a Novel Piezoceramic Stack-based Smart Aggregate. | 鲁光涛 | Sensors | SCI |
| 16 | Power extraction performance of two semi-active flapping airfoils at biplane configuration | 朱建阳 | Journal of Mechanical Science and Technology | SCI |
| 17 | A review on theory and application of plastic meso-damage mechanics | 李 贵 | Theoretical and Applied Fracture Mechanics | SCI |
| 18 | Mechanical Behavior and Damage of Zinc Coating for Hot Dip Galvanized Steel Sheet DP600 | 李 贵 | Coatings | SCI |
| 19 | A Novel Adaptive Mode Decomposition Method Based on Reassignment Vector and Its Application to Fault Diagnosis of Rolling Bearing | 易灿灿 | Applied Sciences-Basel | SCI |
| 20 | Design of a new low-cost unmanned aerial vehicle and vision-based concrete crack inspection method | 雷 斌 | Structural Health Monitoring-An International Journal | SCI |
| 21 | Generalized growth decision based on cascaded failure information: Maximizing the value of retired mechanical products | 张泽琳 | Journal of Cleaner Production | SCI |
| 22 | A knowledge-based method for eco-efficiency upgrading of remanufacturing process planning | 朱 硕 | International Journal of Advanced Manufacturing Technology | SCI |
| 23 | Partial Disassembly Line Balancing Problem Analysis Based on Sequence-Dependent Stochastic Mixed-Flow | 张泽琳 | Journal of Computing and Information Science in Engineering | SCI |
| 24 | Surface EMG hand gesture recognition system based on PCA and GRNN | 李公法 | Neural Computing & Applications | SCI |
| 25 | Numerical simulation of thermal insulation and longevity performance in new lightweight ladle | 孙 瑛 | Concurrency and Computation-Practice & Experience | SCI |
| 26 | Teaching towards Design-Based Learning in Manufacturing Technology Course: Sino-Australia Joint Undergraduate Program | 江志刚 | Sustainability | SCI |

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| 29 | A novel energy efficiency grade evaluation approach for machining systems based on inherent energy efficiency | 马 峰 | International Journal of Production Research | SCI |
| 30 | Multi-object intergroup gesture recognition combined with fusion feature and KNN algorithm | 李公法 | Journal of Intelligent and Fuzzy Systems | SCI |
| 31 | Visualization of activated muscle area based on sEMG | 李公法 | Journal of Intelligent and Fuzzy Systems | SCI |
| 32 | Wide-Range Fiber Bragg Grating Tilt Sensor Based on a Cam Structure | 郭永兴 | IEEE Sensors Journal | SCI |
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| 34 | Considering higher-order effects of residual attachment modes in free-interface component mode synthesis method for non-classically damped systems | 丁 喆 | Journal of Sound and Vibration | SCI |
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| 36 | Generalized growth decision based on cascaded failure information: Maximizing the value of retired mechanical products | 王 蕾 | Journal of Cleaner Production | SCI |
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| 38 | A new knowledgeable encapsulation method of steel production scheduling model | 蒋国璋 | Proceedings of the Institution of Mechanical Engineers - Part B: Journal of Engineering Manufacture | SCI |
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| 42 | Designing nano-aluminum laden fuel pump for aviation applications | 严 迪 | Proceedings of the Institution of Mechanical Engineers Part E-Journal of Process Mechanical Engineering | SCI |
| 43 | Simulation analysis and optimization design for wide band piezoelectric oscillator of energy harvesting device | 余 震 | Journal of Mechanical Science and Technology | SCI |
| 44 | Redesign of enterprise lean production system based on environmental dynamism | 蒋国璋 | Concurrency and Computation-Practice & Experience | SCI |
| 45 | Crack localization in stepped rotors based on Bayesian fusion of multiscalesuperharmonic characteristic deflection shapes | 鲁志文 | Fatigue and Fracture of Engineering Materials and Structures | SCI |
| 46 | Experimental Research on the Acoustic Transmission Characteristics of Refractory Materials | 刘昌明 | Journal of the Brazilian Society of Mechanical Sciences and Engineering | SCI |
| 47 | Surface EMG data aggregation processing for intelligent prosthetic action recognition | 李公法 | Neural Computing & Applications | SCI |
| 48 | Enhanced beam search heuristic for U-shaped assembly line balancing problems | 李梓响 | Engineering Optimization | SCI |
| 49 | Branch, bound and remember algorithm for two-sided assembly line balancing problem | 李梓响 | European Journal of Operational Research | SCI |
| 50 | Multi-information online detection of coal quality based on machinevision | 张泽琳 | Powder Technology | SCI |
| 51 | Research on Multichannel Signals Fault Diagnosis for Bearing via Generalized Non-Convex Tensor Robust Principal Component Analysis and Tensor Singular Value Kurtosis | 吕 勇 | IEEE Access | SCI |
| 52 | Stereo Matching with Multi-scale Based on Anisotropic Match Cost | 刘怀广 | Concurrency and Computation-Practice & | SCI |

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| 53 | Singular-perturbed control for a novel SEA-actuated MBT autoloader subject to chassis oscillations | 郭宇飞 | Nonlinear Dynamics | SCI |
| 54 | Experimental Research on PVDF Sensing Surface Characteristic Curve Applied to Topography Perception | 余震 | Micromachines | SCI |
| 55 | Hybrid regression and isophote curvature for accurate eye center localization | 李公法 | Multimedia Tools and Applications | SCI |
| 56 | Research on gesture recognition of smart data fusion features in the IoT | 李公法 | Neural Computing & Applications | SCI |
| 57 | A review on energy, environment and economic assessment in remanufacturing based on life cycle assessment method | 张旭刚 | Journal of Cleaner Production | SCI |
| 58 | Piezoelectric Electro-Mechanical Impedance (EMI) Based Structural Crack Monitoring | 王涛 | Applied Sciences-Basel | SCI |
| 59 | Remanufacturability evaluation method and application for used engineering machinery parts based on fuzzy-EAHP | 张旭刚 | Journal of Manufacturing Systems | SCI |
| 60 | Time-varying fault feature extraction of rolling bearing via time-frequency sparsity | 易灿灿 | Measurement Science and Technology | SCI |
| 61 | Intelligent human computer interaction based on non redundant EMG signal | 孙瑛 | Alexandria Engineering Journal | SCI |
| 62 | Fabrication of superhydrophobic surfaces with Cassie-Baxter state | 卢艳 | Journal of Dispersion Science and Technology | SCI |
| 63 | Transformation characteristics of temperature and phases within Ti-6Al-4V aeroengine drum in hot forging and air cooling procedures | 罗石元 | Journal of Materials Research and Technology-JMR&T | SCI |
| 64 | Effect of friction conditions on phase transformation characteristics in hot forging process of Ti-6Al-4 V turbine blade | 罗石元 | Journal of Materials Research and Technology-JMR&T | SCI |
| 65 | Numerical analysis of phase transformation characteristics in hot forging and subsequent air cooling processes of Ti-6Al-4V turbine blade | 罗石元 | International Journal of Advanced Manufacturing Technology | SCI |
| 66 | Application of PSO-RBF neural network in gesture recognition of continuous surface EMG signals | 李公法 | Journal of Intelligent and Fuzzy Systems | SCI |

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| 67 | Mechanism of heat transfer enhancement by nanochannels copper plate interface wettability: A molecular dynamics study | 付 婷 | International Journal of Thermal Sciences | SCI |
| 68 | Dynamic Behaviour of a Conveyor Belt Considering Non-Uniform Bulk Material Distribution for Speed Control | 曾 飞 | Applied Sciences-Basel | SCI |
| 69 | 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 |
| 70 | Type-E disassembly line balancing problem with multi-manned workstations | 李梓响 | Optimization and Engineering | SCI |
| 71 | Emergy Based Intelligent Decision-Making Model for Remanufacturing Process Scheme Integrating Economic and Environmental Factors | 张旭刚 | Journal of Cleaner Production | SCI |
| 72 | An integrated decision-making method for selecting machine tool guideways considering remanufacturability | 江志刚 | International Journal of Computer Integrated Manufacturing | SCI |
| 73 | A Novel Fault Diagnosis Scheme for Rolling Bearing Based on Convex Optimization in SynchroextractingChirplet Transform | 易灿灿 | Sensors | SCI |
| 74 | Grain modeling and finite element simulation of damage evolution for AA5182-O aluminum alloy sheet | 李 贵 | Journal of Materials Research and Technology | SCI |
| 75 | Life Balance-Considered Matching Optimization Method for Remanufactured Parts | 张泽琳 | Journal of Computing and Information Science in Engineering | SCI |
| 76 | Influence of forging velocity on temperature and phase transformation characteristics of forged Ti-6Al-4V aeroengine drum | 罗石元 | International Journal of Advanced Manufacturing Technology | SCI |
| 77 | Cost-oriented robotic assembly line balancing problem with setup times: multi-objective algorithms | 李梓响 | Journal of Intelligent Manufacturing | SCI |
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| 79 | Mathematical model and bee algorithms for mixed-model assembly line balancing problem with physical | 李梓响 | Applied Soft Computing | SCI |

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| 80 | A fast online estimator of hot-dip zinc coating weight using improved dynamic fuzzy neural networks | 徐 巍 | Materials Today Communications | SCI |
| 81 | Generalized model for conic-V-shaped flexure hinges | 于普良 | Human-centric Computing and Information Sciences | SCI |
| 82 | Grasping force prediction based on sEMG signals | 李公法 | Alexandria Engineering Journal | SCI |
| 83 | Remanufacturability evaluation of end-of-life products considering technology, economy and environment: A review. | 张旭刚 | Science of the Total Environment | SCI |
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| 85 | Gesture recognition based on multilevel multimodal feature fusion | 李公法 | Journal of Intelligent and Fuzzy Systems | SCI |
| 86 | Emergy based sustainability evaluation of spent lead acid batteries recycling | 杨金堂 | Journal of Cleaner Production | SCI |
| 87 | Water leakage detection and localisation based on GCC-PHAT algorithm | 李公法 | International Journal of Wireless and Mobile Computing | EI |
| 88 | 基于轴线偏转切片法的料滴体积测量方法 | 邹光明 | 中南大学学报(自然科学版) | EI |
| 89 | Effects of blade shape and its corresponding moment of inertia on self-starting and power extraction performance of the novel bowl-shaped floating straight-bladed vertical axis wind turbine | 朱建阳 | Sustainable Energy Technologies and Assessments | EI |
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