

# Li-Min Zhu

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

234  
papers

4,949  
citations

35  
h-index

61  
g-index

257  
ext. papers

6,176  
ext. citations

4.4  
avg, IF

6.43  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 234 | Design and Development of a New Piezoelectric-Actuated Biaxial Compliant Microgripper With Long Strokes. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2022</b> , 1-12    | 4.9  | 1         |
| 233 | Robust Repetitive Control of Nanopositioning Stages Using the Spectrum-Selection Filter With Narrow Passbands. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2022</b> , 1-6                | 5.5  | 0         |
| 232 | A single-pose series sphere-based calibration method for camera-projector structured light system. <i>Optics Communications</i> , <b>2022</b> , 507, 127659                                     | 2    |           |
| 231 | Phase-to-coordinates Calibration for Fringe Projection Profilometry Using Gaussian Process Regression. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 1-1          | 5.2  |           |
| 230 | Brain-Computer Interface Using Brain Power Map and Cognition Detection Network During Flight. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2022</b> , 1-11                                | 5.5  | 6         |
| 229 | Simultaneous damping and tracking control of a normal-stressed electromagnetic actuated nano-positioning stage. <i>Sensors and Actuators A: Physical</i> , <b>2022</b> , 338, 113467            | 3.9  | 2         |
| 228 | High-performance control of fast tool servos with robust disturbance observer and modified H $\infty$ control. <i>Mechatronics</i> , <b>2022</b> , 84, 102781                                   | 3    | 1         |
| 227 | High performance raster scanning of atomic force microscopy using Model-free Repetitive Control. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 173, 109027                    | 7.8  | 0         |
| 226 | Dual-Notch Based Repetitive Control for Tracking Lissajous Scan Trajectories with Piezo-Actuated Nano-Scanners. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 1-1 | 5.2  | 2         |
| 225 | An iterative contouring error compensation scheme for five-axis precision motion systems. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 178, 109226                           | 7.8  | 0         |
| 224 | Modeling, design and control of normal-stressed electromagnetic actuated fast tool servos. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 178, 109304                          | 7.8  | 1         |
| 223 | A Transfer Learning-Based Method for Personalized State of Health Estimation of Lithium-Ion Batteries. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , 1-11    | 10.3 | 2         |
| 222 | Nonparametric Bayesian Prior Inducing Deep Network for Automatic Detection of Cognitive Status. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 5483-5496                           | 10.2 | 28        |
| 221 | Redistributing Controller Orders to Increase Positioning Bandwidth in Nanopositioners. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 97-102  | 0.7  |           |
| 220 | Robot line structured light vision measurement system: light strip center extraction and system calibration. <i>Optical Engineering</i> , <b>2021</b> , 60,                                     | 1.1  | 1         |
| 219 | Design and Control of a Normal-Stressed Electromagnetic Actuated Nano-positioning Stage. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 324-334                                       | 0.9  | 0         |
| 218 | High-bandwidth nanopositioning via active control of system resonance. <i>Frontiers of Mechanical Engineering</i> , <b>2021</b> , 16, 331-339   | 3.3  | 3         |

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|-----|---|------|----|
| 217 | On the mechanisms of surface microdischarge plasma treatment of onychomycosis: Penetration, uptake, and chemical reactions. <i>Plasma Processes and Polymers</i> , <b>2021</b> , 18, 2000204  | 3.4  | 2  |
| 216 | Investigation of NH <sub>4</sub> NO <sub>3</sub> formation by air plasma and wasted ammonia. <i>Plasma Processes and Polymers</i> , <b>2021</b> , 18, 2000223   | 3.4  | 2  |
| 215 | Extraction and segmentation method of laser stripe in linear structured light scanner. <i>Optical Engineering</i> , <b>2021</b> , 60,   | 1.1  | 1  |
| 214 | Analytical model and experimental verification of an elliptical bridge-type compliant displacement amplification mechanism. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 055109  | 1.7  | 3  |
| 213 | Robust high-bandwidth control of nano-positioning stages with Kalman filter based extended state observer and H control. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 065003   | 1.7  | 1  |
| 212 | Erratum to A Smoothed Raster Scanning Trajectory Based on Acceleration-Continuous B-Spline Transition for High-Speed Atomic Force Microscopy [Feb 21 24-32]. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 26, 1700-1700  | 5.5  |    |
| 211 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2021</b> , 57, 1753-1767  | 3.7  | 0  |
| 210 | Enhanced Odd-Harmonic Repetitive Control of Nanopositioning Stages Using Spectrum-Selection Filtering Scheme for High-Speed Raster Scanning. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 18, 1087-1096 | 4.9  | 2  |
| 209 | Tracking Control of Nanopositioning Stages Using Parallel Resonant Controllers for High-Speed Nonraster Sequential Scanning. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 18, 1218-1228                 | 4.9  | 7  |
| 208 | GRU-Type LARC Strategy for Precision Motion Control With Accurate Tracking Error Prediction. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 812-820   | 8.9  | 22 |
| 207 | Rotated Sphere Haar Wavelet and Deep Contractive Auto-Encoder Network With Fuzzy Gaussian SVM for Pilot's Pupil Center Detection. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 332-345                                     | 10.2 | 11 |
| 206 | Intelligent Feedforward Compensation Motion Control of Maglev Planar Motor With Precise Reference Modification Prediction. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 7768-7777                               | 8.9  | 9  |
| 205 | Local asymmetrical corner trajectory smoothing with bidirectional planning and adjusting algorithm for CNC machining. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2021</b> , 68, 102058                                    | 9.2  | 8  |
| 204 | Generative Model-Driven Sampling Strategy for the High-Efficiency Measurement of Complex Surfaces on Coordinate Measuring Machines. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11                  | 5.2  | 3  |
| 203 | Nonparametric Hierarchical Hidden Semi-Markov Model for Brain Fatigue Behavior Detection of Pilots During Flight. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-12                                     | 6.1  | 14 |
| 202 | Detecting Dynamic Behavior of Brain Fatigue Through 3-D-CNN-LSTM. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-11   | 7.3  | 6  |
| 201 | Accelerated Iteration Algorithm based Contouring Error Estimation for Multi-axis Motion Control. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 1-1  | 5.5  | 6  |
| 200 | Dynamics Learning With Object-Centric Interaction Networks for Robot Manipulation. <i>IEEE Access</i> , <b>2021</b> , 9, 68277-68288  | 3.5  | 0  |

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|-----|---|------|----|
| 199 | Development of a new compliant active-force support system. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 1-1   | 5.5  | 3  |
| 198 | A Novel Compliant Nanopositioning Stage Driven by a Normal-Stressed Electromagnetic Actuator. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 1-10   | 4.9  | 0  |
| 197 | Development of a High-Performance Force Sensing Fast Tool Servo. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1   | 11.9 | 2  |
| 196 | Tri-axial Fast Tool Servo Using Hybrid Electromagnetic-Piezoelectric Actuation for Diamond Turning. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1  | 8.9  | 6  |
| 195 | Fatigue Detection of Pilots' Brain Through Brains Cognitive Map and Multilayer Latent Incremental Learning Model. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,   | 10.2 | 8  |
| 194 | Skeleton Curve-Guided Five-Axis Sweep Scanning for Surface With Multiple Holes. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 1-16   | 4.9  | 1  |
| 193 | Human Exploratory Procedures based Hybrid Measurement Fusion for Material Recognition. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 1-1  | 5.5  | 5  |
| 192 | ROpenPose: A Rapider OpenPose Model for Astronaut Operation Attitude Detection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1  | 8.9  | 7  |
| 191 | Profile tracking for multi-axis ultrasonic inspection of model-unknown free-form surfaces based on energy concentration. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 172, 108867     | 4.6  | 3  |
| 190 | Time/Space-Separation-Based Gaussian Process Modeling for the Cross-Coupling Effect of a 2-DOF Nanopositioning Stage. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 26, 2186-2194                                   | 5.5  | 9  |
| 189 | Fractional order zero phase error tracking control of a novel decoupled 2-DOF compliant micro-positioning stage. <i>Journal of Micromechanics and Microengineering</i> , <b>2021</b> , 31, 105006                                   | 2    | 1  |
| 188 | Rate-dependent input curve shaping of the piezoelectric actuator based optical resonator cavity displacement characteristics for an external cavity diode laser. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 095008 | 1.7  | 0  |
| 187 | Trajectory modification method based on frequency domain analysis for precision contouring motion control systems. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 158, 107646                                      | 7.8  | 4  |
| 186 | CPG-Based Hierarchical Locomotion Control for Modular Quadrupedal Robots Using Deep Reinforcement Learning. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 7193-7200  | 4.2  | 2  |
| 185 | . <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11266-11275  | 8.9  | 10 |
| 184 | Complex Surface Reconstruction Based on Fusion of Surface Normals and Sparse Depth Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-13  | 5.2  | 3  |
| 183 | Online Koopman Operator Learning to identify Cross-Coupling Effect of Piezoelectric Tube Scanners in Atomic Force Microscopes. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1                               | 11.9 | 3  |
| 182 | Autonomous Profile Tracking for Multiaxis Ultrasonic Measurement of Deformed Surface in Mirror Milling. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-13  | 5.2  | 0  |

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| 181 | On-Machine Calibration Method for In Situ Stereo Deflectometry System. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-8   | 5.2 | 0  |
| 180 | High-Bandwidth Tracking Control of Piezoactuated Nanopositioning Stages via Active Modal Control. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 1-9   | 4.9 | 2  |
| 179 | Hysteresis modeling with frequency-separation-based Gaussian process and its application to sinusoidal scanning for fast imaging of atomic force microscope. <i>Sensors and Actuators A: Physical</i> , <b>2020</b> , 311, 112070                  | 3.9 | 5  |
| 178 | Operational-space wrench and acceleration capability analysis for multi-link cable-driven robots. <i>Science China Technological Sciences</i> , <b>2020</b> , 63, 2063-2072  | 3.5 | 3  |
| 177 | . <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 1-1  | 5.5 | 28 |
| 176 | Command-shaping based on impulse response function for dynamic-mode control of internal and external cavities in external-cavity diode laser. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 023101                                   | 1.7 | 0  |
| 175 | Reconstruction of multi-frame semi-sparse scanning probe microscopy images using dependent Gaussian process. <i>Measurement Science and Technology</i> , <b>2020</b> , 31, 045013  | 2   | 1  |
| 174 | A novel 3D radius compensation method of probe stylus tip in the free-form surface profile curve scanning measurement. <i>Measurement Science and Technology</i> , <b>2020</b> , 31, 085001  | 2   | 1  |
| 173 | Development of a Novel Pile-Up Structure Based Nanopositioning Mechanism Driven by Piezoelectric Actuator. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 502-512   | 5.5 | 5  |
| 172 | . <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 547-557  | 5.5 | 6  |
| 171 | An error-bounded B-spline curve approximation scheme using dominant points for CNC interpolation of micro-line toolpath. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2020</b> , 64, 101930  | 9.2 | 11 |
| 170 | Deterioration of form accuracy induced by servo dynamics errors and real-time compensation for slow tool servo diamond turning of complex-shaped optics. <i>International Journal of Machine Tools and Manufacture</i> , <b>2020</b> , 154, 103556 | 9.4 | 8  |
| 169 | Development of a piezoelectrically actuated dual-stage fast tool servo. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 144, 106873  | 7.8 | 21 |
| 168 | . <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 1-1  | 5.5 | 6  |
| 167 | Prediction Model based Contouring Error Iterative Pre-Compensation Scheme for Precision Multi-axis Motion Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 1-1   | 5.5 | 9  |
| 166 | Experimental validation of the simultaneous damping and tracking controller design strategy for high-bandwidth nanopositioning $\square$ PAVPF approach. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 3506-3514                  | 2.5 | 4  |
| 165 | Confined spaces path following for cable-driven snake robots with prediction lookup and interpolation algorithms. <i>Science China Technological Sciences</i> , <b>2020</b> , 63, 255-264  | 3.5 | 9  |
| 164 | Detecting Fatigue Status of Pilots Based on Deep Learning Network Using EEG Signals. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2020</b> , 1-1   | 3   | 24 |

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| 163 | Integration of optimized feedrate into an online adaptive force controller for robot milling. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 106, 1533-1542                    | 3.2  | 4  |
| 162 | A closed-loop error compensation method for robotic flank milling. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2020</b> , 63, 101928   | 9.2  | 11 |
| 161 | . <i>IEEE Access</i> , <b>2020</b> , 8, 8520-8532   | 3.5  | 9  |
| 160 | Chatter detection in milling processes using frequency-domain Rényi entropy. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 106, 877-890                                       | 3.2  | 12 |
| 159 | Learning Semantic Keypoint Representations for Door Opening Manipulation. <i>IEEE Robotics and Automation Letters</i> , <b>2020</b> , 5, 6980-6987  | 4.2  | 2  |
| 158 | Wall thickness error prediction and compensation in end milling of thin-plate parts. <i>Precision Engineering</i> , <b>2020</b> , 66, 550-563   | 2.9  | 1  |
| 157 | Sliding mode control with third-order contour error estimation for free-form contour following. <i>Precision Engineering</i> , <b>2020</b> , 66, 282-294  | 2.9  | 5  |
| 156 | Inverse Rate-Dependent Rayleigh Model Based Feedforward Control for Piezoelectric-Driven Mechanism. <i>IEEE Access</i> , <b>2020</b> , 8, 194808-194819   | 3.5  | 0  |
| 155 | The modular design of trajectory compensation based on ATCF for precision motion control. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 135, 106393   | 7.8  | 5  |
| 154 | Novel Nonlinear Approach for Real-Time Fatigue EEG Data: An Infinitely Warped Model of Weighted Permutation Entropy. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 21, 2437-2448 | 6.1  | 10 |
| 153 | Self-Paced Dynamic Infinite Mixture Model for Fatigue Evaluation of Pilots' Brains. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,   | 10.2 | 24 |
| 152 | Modified Repetitive Control Based Cross-Coupling Compensation Approach for the Piezoelectric Tube Scanner of Atomic Force Microscopes. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2019</b> , 24, 666-676  | 5.5  | 24 |
| 151 | Fractional repetitive control of nanopositioning stages for tracking high-frequency periodic inputs with nonsynchronized sampling. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 055108             | 1.7  | 4  |
| 150 | Rate-dependent hysteresis modeling and compensation of piezoelectric actuators using Gaussian process. <i>Sensors and Actuators A: Physical</i> , <b>2019</b> , 295, 357-365                                      | 3.9  | 20 |
| 149 | Path Tracking of a Cable-Driven Snake Robot With a Two-Level Motion Planning Method. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2019</b> , 24, 935-946  | 5.5  | 14 |
| 148 | An accelerated convergence approach for real-time deformation compensation in large thin-walled parts machining. <i>International Journal of Machine Tools and Manufacture</i> , <b>2019</b> , 142, 98-106        | 9.4  | 25 |
| 147 | Enhancing the metrological performance of non-raster scanning probe microscopy using Gaussian process regression. <i>Measurement Science and Technology</i> , <b>2019</b> , 30, 095004                            | 2    | 4  |
| 146 | Model-driven photometric stereo for in-process inspection of non-diffuse curved surfaces. <i>CIRP Annals - Manufacturing Technology</i> , <b>2019</b> , 68, 563-566   | 4.9  | 4  |

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| 145 | Double Taylor Expansion-Based Real-Time Contouring Error Estimation for Multi-axis Motion Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9490-9499  | 8.9  | 17 |
| 144 | Modified Robust Dynamic Control for a Diamond Parallel Robot. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2019</b> , 24, 959-968  | 5.5  | 9  |
| 143 | Fv-SVM-Based Wall-Thickness Error Decomposition for Adaptive Machining of Large Skin Parts. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 2426-2434   | 11.9 | 13 |
| 142 | Tool path generation for five-axis machining of blisks with barrel cutters. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 1300-1314  | 7.8  | 5  |
| 141 | Stiffness-based pose optimization of an industrial robot for five-axis milling. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2019</b> , 55, 19-28  | 9.2  | 57 |
| 140 | Dynamic mode matching of internal and external cavities for enhancing the mode-hop-free synchronous tuning characteristics of an external-cavity diode laser. <i>Applied Physics B: Lasers and Optics</i> , <b>2019</b> , 125, 1   | 1.9  | 2  |
| 139 | Extended unified wrench model suitable for the end effect of the ironless permanent magnet planar motor. <i>IET Electric Power Applications</i> , <b>2019</b> , 13, 402-409  | 1.8  | 2  |
| 138 | Compensation of deformation errors in five-axis flank milling of thin-walled parts via tool path optimization. <i>Precision Engineering</i> , <b>2019</b> , 55, 77-87  | 2.9  | 35 |
| 137 | A general, fast and robust B-spline fitting scheme for micro-line tool path under chord error constraint. <i>Science China Technological Sciences</i> , <b>2019</b> , 62, 321-332  | 3.5  | 16 |
| 136 | Third-order chord error estimation for freeform contour in computer-aided manufacturing and computer numerical control systems. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2019</b> , 233, 863-874                         | 2.4  | 6  |
| 135 | Parallel acceleration/deceleration feedrate scheduling for computer numerical control machine tools based on bi-directional scanning technique. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2019</b> , 233, 937-947         | 2.4  | 5  |
| 134 | Surface form error prediction in five-axis flank milling of thin-walled parts. <i>International Journal of Machine Tools and Manufacture</i> , <b>2018</b> , 128, 21-32  | 9.4  | 74 |
| 133 | Accurate three-dimensional contouring error estimation and compensation scheme with zero-phase filter. <i>International Journal of Machine Tools and Manufacture</i> , <b>2018</b> , 128, 33-40  | 9.4  | 25 |
| 132 | Non-Normal Dynamic Analysis for Predicting Transient Milling Stability. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2018</b> , 140,  | 1.6  | 2  |
| 131 | Improved forecasting compensatory control to guarantee the remaining wall thickness for pocket milling of a large thin-walled part. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 94, 1677-1688  | 3.2  | 18 |
| 130 | A locally optimal transition method with analytical calculation of transition length for computer numerical control machining of short line segments. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2018</b> , 232, 2409-2419 | 2.4  | 11 |
| 129 | An Accurate Method for Determining Cutter-Workpiece Engagements in Five-Axis Milling With a General Tool Considering Cutter Runout. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,   | 3.3  | 12 |
| 128 | Real-time local smoothing for five-axis linear toolpath considering smoothing error constraints. <i>International Journal of Machine Tools and Manufacture</i> , <b>2018</b> , 124, 67-79  | 9.4  | 45 |

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| 127 | Unified wrench model of an ironless permanent magnet planar motor with 2D periodic magnetic field. <i>IET Electric Power Applications</i> , <b>2018</b> , 12, 423-430  | 1.8  | 9   |
| 126 | Patterns of Regenerative Milling Chatter Under Joint Influences of Cutting Parameters, Tool Geometries, and Runout. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,                                   | 3.3  | 22  |
| 125 | Newton-ILC Contouring Error Estimation and Coordinated Motion Control for Precision Multiaxis Systems With Comparative Experiments. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 1470-1480   | 8.9  | 42  |
| 124 | Model-Data Driven Learning Adaptive Robust Control of Precision Mechatronic Motion Systems With Comparative Experiments. <i>IEEE Access</i> , <b>2018</b> , 6, 78286-78296   | 3.5  | 4   |
| 123 | Micro-Grinding Performance of Hard-Brittle Chip Materials in Precision Micro-Grinding Microgroove. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2018</b> , 23, 70-76  | 0.6  | 2   |
| 122 | Motion Control of the Piezoelectric Tube Scanner for Lissajous Trajectories with Modified Repetitive Control <b>2018</b> ,   |      | 1   |
| 121 | Real-time feedrate scheduling for five-axis machining by simultaneously planning linear and angular trajectories. <i>International Journal of Machine Tools and Manufacture</i> , <b>2018</b> , 135, 78-96   | 9.4  | 18  |
| 120 | Feedrate scheduling for interpolation of parametric tool path using the sine series representation of jerk profile. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2017</b> , 231, 2359-2371 | 2.4  | 28  |
| 119 | High-Speed Tracking of a Nanopositioning Stage Using Modified Repetitive Control. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2017</b> , 14, 1467-1477   | 4.9  | 41  |
| 118 | An Integrated Model-Data-Based Zero-Phase Error Tracking Feedforward Control Strategy With Application to an Ultraprecision Wafer Stage. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4139-4149                                    | 8.9  | 33  |
| 117 | Dynamics and Stability Prediction of Five-Axis Flat-End Milling. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2017</b> , 139,  | 3.3  | 20  |
| 116 | A survey on dielectric elastomer actuators for soft robots. <i>Bioinspiration and Biomimetics</i> , <b>2017</b> , 12, 011003   | 0.3  | 210 |
| 115 | Accurate cutting force prediction of helical milling operations considering the cutter runout effect. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 92, 4133-4144  | 3.2  | 6   |
| 114 | A spline-based method for stability analysis of milling processes. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 89, 2571-2586   | 3.2  | 11  |
| 113 | Neural Network Learning Adaptive Robust Control of an Industrial Linear Motor-Driven Stage With Disturbance Rejection Ability. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 2172-2183  | 11.9 | 84  |
| 112 | Damping Control of Piezo-Actuated Nanopositioning Stages With Recursive Delayed Position Feedback. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2017</b> , 22, 855-864   | 5.5  | 35  |
| 111 | Positive acceleration, velocity and position feedback based damping control approach for piezo-actuated nanopositioning stages. <i>Mechatronics</i> , <b>2017</b> , 47, 97-104   | 3    | 34  |
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| 105 | Integral force feedback control with input shaping: Application to piezo-based scanning systems in ECDLs. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 075006   | 1.7 | 11  |
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| 93  | An Analytical Transition Algorithm for Real-time CNC Machining of Linear Tool Path. <i>Procedia CIRP</i> , <b>2016</b> , 56, 344-348   | 1.8 | 4   |
| 92  | Improved Forecasting Compensatory Control through Kalman Filtering. <i>Procedia CIRP</i> , <b>2016</b> , 56, 349-353   | 1.8 | 1   |

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