

Fei Zhao

List of Publications by Year in descending order

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29
papers

377
citations

759233

12
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794594

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all docs

30
docs citations

30
times ranked

331
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Assembly quality evaluation for linear axis of machine tool using data-driven modeling approach. Journal of Intelligent Manufacturing, 2022, 33, 753-769. | 7.3 | 7 |
| 2 | Broad Learning System Based on Binary Grey Wolf Optimization for Surface Roughness Prediction in Slot Milling. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10. | 4.7 | 2 |
| 3 | Remaining Useful Life Prediction of Ball Screw Under Time-Varying Conditions With Limited Data. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4057-4066. | 5.8 | 4 |
| 4 | Learning cooperative dynamic manipulation skills from human demonstration videos. Mechatronics, 2022, 85, 102807. | 3.3 | 1 |
| 5 | Optimized Impedance Adaptation of Robot Manipulator Interacting With Unknown Environment. IEEE Transactions on Control Systems Technology, 2021, 29, 411-419. | 5.2 | 21 |
| 6 | The investigation of low-cycle fatigue crack propagation of 16 Mn eccentric bar based on the acoustic emission technique. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 1235-1247. | 2.4 | 7 |
| 7 | A Framework for Autonomous Impedance Regulation of Robots Based on Imitation Learning and Optimal Control. IEEE Robotics and Automation Letters, 2021, 6, 127-134. | 5.1 | 15 |
| 8 | Optimized Interaction Control for Robot Manipulator Interacting With Flexible Environment. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2888-2898. | 5.8 | 14 |
| 9 | Remaining Useful Life Prediction of Ball Screw Using Precision Indicator. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9. | 4.7 | 4 |
| 10 | Cloud-Manufacturing-Based Condition Monitoring Platform With 5G and Standard Information Model. IEEE Internet of Things Journal, 2021, 8, 6940-6948. | 8.7 | 27 |
| 11 | Unified Approach for Hybrid Motion Control of MOCA Based on Weighted Whole-Body Cartesian Impedance Formulation. IEEE Robotics and Automation Letters, 2021, 6, 3505-3512. | 5.1 | 16 |
| 12 | A newly developed corner smoothing methodology based on clothoid splines for high speed machine tools. Robotics and Computer-Integrated Manufacturing, 2021, 70, 102106. | 9.9 | 21 |
| 13 | Erratum to "Remaining Useful Life Prediction of Ball Screw Using Precision Indicator" [2021 Art. no. 3519509]. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-3. | 4.7 | 3 |
| 14 | A Novel Smart Production Line Data Perception System Based on OPC UA. , 2021, , . | | 0 |
| 15 | Assembly consistency improvement of straightness error of the linear axis based on the consistency degree and GA-MSVM-I-KM. Journal of Intelligent Manufacturing, 2020, 31, 1429-1441. | 7.3 | 3 |
| 16 | An Intuitive Formulation of the Human Arm Active Endpoint Stiffness. Sensors, 2020, 20, 5357. | 3.8 | 8 |
| 17 | Processing of a Large-Scale Microporous Group on Copper Foil Current Collectors for Lithium Batteries Using Femtosecond Laser. Advanced Engineering Materials, 2020, 22, 2000710. | 3.5 | 12 |
| 18 | A Novel Performance Prediction Model for the Machining Process Based on the Interval Type-2 Fuzzy Neural Network. Mathematical Problems in Engineering, 2020, 2020, 1-10. | 1.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | A Novel Local Smoothing Method for Five-Axis Machining With Time-Synchronization Feedrate Scheduling. IEEE Access, 2020, 8, 89185-89204. | 4.2 | 22 |
| 20 | Remaining useful life prediction for machinery by establishing scaled-corrected health indicators. Measurement: Journal of the International Measurement Confederation, 2020, 163, 108035. | 5.0 | 22 |
| 21 | Multi-point Interaction Force Estimation for Robot Manipulators with Flexible Joints Using Joint Torque Sensors. Lecture Notes in Computer Science, 2019, , 499-508. | 1.3 | 3 |
| 22 | A Teleoperation Interface for Loco-Manipulation Control of Mobile Collaborative Robotic Assistant. IEEE Robotics and Automation Letters, 2019, 4, 3593-3600. | 5.1 | 62 |
| 23 | Orderings of a class of trees with respect to the Merrifield-Simmons index and the Hosoya index. Journal of Combinatorial Optimization, 2019, 38, 1286-1295. | 1.3 | 4 |
| 24 | High-efficiency gear hobbing technics based on fuzzy adaptive control of spindle torque. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3331-3345. | 2.1 | 2 |
| 25 | A Novel Deep Learning Approach for Machinery Prognostics Based on Time Windows. Applied Sciences (Switzerland), 2019, 9, 4813. | 2.5 | 17 |
| 26 | A novel triple-stage friction compensation for a feed system based on electromechanical characteristics. Precision Engineering, 2019, 56, 113-122. | 3.4 | 10 |
| 27 | End-Effector Force Estimation for Flexible-Joint Robots With Global Friction Approximation Using Neural Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 1730-1741. | 11.3 | 63 |
| 28 | A fuzzy adaptive controller for constant cutting torque in high-performance gear hobbing process. , 2017, , . | | 1 |
| 29 | Dynamic modeling of robot based on neural network with incomplete state observations. , 2017, , . | | 1 |