

Fei Zhao

List of Publications by Year in descending order

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29
papers

377
citations

759233

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30
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Teleoperation Interface for Loco-Manipulation Control of Mobile Collaborative Robotic Assistant. IEEE Robotics and Automation Letters, 2019, 4, 3593-3600.	5.1	62
3	Cloud-Manufacturing-Based Condition Monitoring Platform With 5G and Standard Information Model. IEEE Internet of Things Journal, 2021, 8, 6940-6948.	8.7	27
4	A Novel Local Smoothing Method for Five-Axis Machining With Time-Synchronization Feedrate Scheduling. IEEE Access, 2020, 8, 89185-89204.	4.2	22
5	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
6	Optimized Impedance Adaptation of Robot Manipulator Interacting With Unknown Environment. IEEE Transactions on Control Systems Technology, 2021, 29, 411-419.	5.2	21
7	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
8	A Novel Deep Learning Approach for Machinery Prognostics Based on Time Windows. Applied Sciences (Switzerland), 2019, 9, 4813.	2.5	17
9	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
10	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
11	Optimized Interaction Control for Robot Manipulator Interacting With Flexible Environment. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2888-2898.	5.8	14
12	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
13	A novel triple-stage friction compensation for a feed system based on electromechanical characteristics. Precision Engineering, 2019, 56, 113-122.	3.4	10
14	An Intuitive Formulation of the Human Arm Active Endpoint Stiffness. Sensors, 2020, 20, 5357.	3.8	8
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Remaining Useful Life Prediction of Ball Screw Using Precision Indicator. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	4
20	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
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	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
23	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
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	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
26	A fuzzy adaptive controller for constant cutting torque in high-performance gear hobbing process. , 2017, , .		1
27	Dynamic modeling of robot based on neural network with incomplete state observations. , 2017, , .		1
28	Learning cooperative dynamic manipulation skills from human demonstration videos. Mechatronics, 2022, 85, 102807.	3.3	1
29	A Novel Smart Production Line Data Perception System Based on OPC UA. , 2021, , .		0