

Tao Tao

List of Publications by Year in descending order

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31
papers

273
citations

1163117

8
h-index

996975

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31
all docs

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docs citations

31
times ranked

191
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian neural network-based thermal error modeling of feed drive system of CNC machine tool. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 3031-3044.	3.0	35
2	Broad-Band Ultra-Low-Reflectivity Multiscale Micro-Nano Structures by the Combination of Femtosecond Laser Ablation and In Situ Deposition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49265-49274.	8.0	28
3	Deep reinforcement learning for permanent magnet synchronous motor speed control systems. <i>Neural Computing and Applications</i> , 2021, 33, 5409-5418.	5.6	28
4	A harmonic drive model considering geometry and internal interaction. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017, 231, 728-743.	2.1	27
5	A Novel Local Smoothing Method for Five-Axis Machining With Time-Synchronization Feedrate Scheduling. <i>IEEE Access</i> , 2020, 8, 89185-89204.	4.2	22
6	Milling Tool Wear State Recognition by Vibration Signal Using a Stacked Generalization Ensemble Model. <i>Shock and Vibration</i> , 2019, 2019, 1-16.	0.6	21
7	A Framework for Autonomous Impedance Regulation of Robots Based on Imitation Learning and Optimal Control. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 127-134.	5.1	15
8	Deformation and stress analysis of short flexspline in the harmonic drive system with load. , 2013, , .		12
9	The Application of Multi-objective Genetic Algorithm in the Modeling of Thermal Error of NC Lathe. <i>Procedia CIRP</i> , 2018, 67, 332-337.	1.9	12
10	A new modeling method for thermal errors of motorized spindle based on the variation characteristics of spindle temperature field. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 989-1000.	3.0	10
11	Harmonic current suppression method with adaptive filter for permanent magnet synchronous motor. <i>International Journal of Electronics</i> , 2021, 108, 983-1013.	1.4	9
12	The modeling method on thermal expansion of CNC lathe headstock in vertical direction based on MOGA. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 3629-3641.	3.0	8
13	A new method using pole placement technique to tune multi-axis PID parameter for matched servo dynamics. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 1681-1696.	2.1	7
14	Assembly quality evaluation for linear axis of machine tool using data-driven modeling approach. <i>Journal of Intelligent Manufacturing</i> , 2022, 33, 753-769.	7.3	7
15	Monitoring and Source Tracing of Machining Error Based on Built-in Sensor Signal. <i>Procedia CIRP</i> , 2016, 41, 729-734.	1.9	6
16	Remaining Useful Life Prediction of Ball Screw Using Precision Indicator. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	4.7	4
17	Remaining Useful Life Prediction of Ball Screw Under Time-Varying Conditions With Limited Data. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 4057-4066.	5.8	4
18	Active damping and disturbance rejection control of a six-axis magnetic levitation stage. <i>Review of Scientific Instruments</i> , 2018, 89, 075109.	1.3	3

#	ARTICLE	IF	CITATIONS
19	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
20	Study on the nature of stick-slip motion for high-precision table. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 1751-1764.	2.1	2
21	Active disturbance rejection control algorithm for the unwinding tension system in gravure printing machine. , 2012, , .		2
22	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
23	Dynamic modeling of robot based on neural network with incomplete state observations. , 2017, , .		1
24	Analysis of coupled motion constraints and coupling errors for a six-axis magnetic levitation stage. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 2097-2112.	2.1	1
25	Experimental Study on Condensation Heat Transfer Characteristics inside an Inclined Wave-Finned Flat Tube of Direct Air-Cooling System. Journal of Thermal Science, 2021, 30, 432-440.	1.9	1
26	Hybrid current loop timing control method for permanent magnet AC servo systems. Journal of Mechanical Science and Technology, 2020, 34, 5247-5259.	1.5	1
27	Periodic Numerical Rough Surface Filtered Generation. Journal of Tribology, 2021, 143, .	1.9	1
28	An experiment-based multi-objective modeling method for thermal errors of slant bed CNC lathes. International Journal of Advanced Manufacturing Technology, 2022, 120, 6565-6583.	3.0	1
29	Decoupling fuzzy sliding mode control of MIMO magnetic suspension stage in XY planar motion. , 2013, , .		0
30	Monitoring Method of Machining Error of Long and Thin Cylinder in Boring Process. , 2015, , .		0
31	A Novel Smart Production Line Data Perception System Based on OPC UA. , 2021, , .		0