

Dun Lu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

176
citations

1478505

6
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic error of CNC machine tools: a state-of-the-art review. International Journal of Advanced Manufacturing Technology, 2020, 106, 1869-1891.	3.0	48
2	Feed fluctuation of ball screw feed systems and its effects on part surface quality. International Journal of Machine Tools and Manufacture, 2016, 101, 1-9.	13.4	32
3	Assembly errors analysis of linear axis of CNC machine tool considering component deformation. International Journal of Advanced Manufacturing Technology, 2016, 86, 281-289.	3.0	20
4	Investigation on the displacement fluctuation of the linear motor feed system considering the linear encoder vibration. International Journal of Machine Tools and Manufacture, 2015, 98, 33-40.	13.4	18
5	A Novel Contouring Error Estimation Method for Contouring Control. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1902-1907.	5.8	16
6	Thermal Characteristics of Water-Lubricated Ceramic Hydrostatic Hydrodynamic Hybrid Bearings. Tribology Letters, 2016, 63, 1.	2.6	14
7	Cage Speed of Hydrodynamic Rolling Hybrid Bearings. Tribology Letters, 2013, 51, 303-309.	2.6	5
8	The influence of dynamic error outside servo-loop on the trajectory error. International Journal of Advanced Manufacturing Technology, 2021, 113, 1517-1525.	3.0	5
9	Effects of Rolling Bearing Type and Size on the Maximum Eccentricity Ratio of Hydrodynamic Rolling Hybrid Bearings. Tribology Transactions, 2014, 57, 225-229.	2.0	4
10	Modeling and analysis of steady-state vibration induced by backlash in servo rotary table. Frontiers of Mechanical Engineering, 2015, 10, 43-47.	4.3	4
11	Analysis on steady-state vibration induced by backlash in machine tool rotary table. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 4163-4171.	2.1	4
12	Performance of water-lubricated ceramic journal hybrid bearing. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2022, 236, 2328-2339.	1.8	3
13	Optimal cutting directions by considering the dynamic mismatch between feed axes of machine tools. International Journal of Advanced Manufacturing Technology, 2018, 95, 1607-1615.	3.0	2
14	Accurate inertia identification method of machine tool feed drives by considering the influence of current loop dynamics and friction. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182211002.	1.0	1
15	Mechanism Analysis of Time-Dependent Characteristic of Dynamic Errors of Machine Tools. Machines, 2022, 10, 160.	2.2	0