

Dun Lu

List of Publications by Year in descending order

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15
papers

176
citations

1478505

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1125743

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all docs

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docs citations

15
times ranked

127
citing authors

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