

Yongquan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

157
citations

1307366

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1281743

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24
all docs

24
docs citations

24
times ranked

90
citing authors

#	ARTICLE	IF	CITATIONS
1	Peg-hole disassembly using active compliance. <i>Royal Society Open Science</i> , 2019, 6, 190476.	1.1	23
2	Dynamic Modeling and Experiment Research on Twin Ball Screw Feed System Considering the Joint Stiffness. <i>Symmetry</i> , 2018, 10, 686.	1.1	16
3	Cross-coupled fuzzy logic sliding mode control of dual-driving feed system. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401875551.	0.8	15
4	Two-Degree-Of-Freedom Dynamic Model-Based Terminal Sliding Mode Control with Observer for Dual-Driving Feed Stage. <i>Symmetry</i> , 2018, 10, 488.	1.1	12
5	A Novel Geometric Error Compensation Method for Gantry-Moving CNC Machine Regarding Dominant Errors. <i>Processes</i> , 2020, 8, 906.	1.3	12
6	Analysis of dynamic characteristic for misalignment-spline gear shaft based on whole transfer matrix method. <i>Journal of Vibroengineering</i> , 2018, 20, 1392-1408.	0.5	9
7	A normal contact stiffness model of machined joint surfaces considering elastic, elasto-plastic and plastic factors. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2020, 234, 1007-1016.	1.0	8
8	Dynamic Characteristics of Gear Coupling and Rotor System in Transmission Process Considering Misalignment and Tooth Contact Analysis. <i>Processes</i> , 2020, 8, 1336.	1.3	7
9	An investigation on mechanical and microstructural evolution of stationary shoulder friction stir welded aluminum alloy AA7075-T651. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 6665-6676.	1.1	7
10	Analytical Model of a Multi-Step Straightening Process for Linear Guideways Considering Neutral Axis Deviation. <i>Symmetry</i> , 2018, 10, 316.	1.1	6
11	Multivariate orthogonal polynomial-based positioning error modeling and active compensation of dual-driven feed system. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 2593-2605.	1.5	6
12	A Non-Delay Error Compensation Method for Dual-Driving Gantry-Type Machine Tool. <i>Processes</i> , 2020, 8, 748.	1.3	6
13	A novel analytical model for straightening process of rectangle-section metal bars considering asymmetrical hardening features. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401879915.	0.8	5
14	Dynamic modeling and experimental research on position-dependent behavior of twin ball screw feed system. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 3693-3703.	1.5	5
15	A General Stroke-Based Model for the Straightening Process of D-Type Shaft. <i>Processes</i> , 2020, 8, 528.	1.3	4
16	Dynamic characteristics and research on the dual-drive feed mechanism. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 5406-5420.	1.1	4
17	Dynamic Characteristics Analysis and Test of Dual-Driving Feed System Driven by Center of Gravity. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-16.	0.6	3
18	Variable Span Multistep Straightening Process for Long/Extra-Long Linear Guideways. <i>IEEE Access</i> , 2019, 7, 107491-107505.	2.6	3

#	ARTICLE	IF	CITATIONS
19	A novel control strategy for the multi-step straightening process of long/extra-long linear guideways. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 2959-2975.	1.1	3
20	A Straightness Control System for Motor Shaft Straightening with the Stroke Prediction Algorithm. , 2019, , .		1
21	A method to improve position accuracy for the dual-drive feed machines by state-dependent friction compensation. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2022, 236, 1247-1267.	1.5	1
22	Towards a Uniform Welding Quality: A Novel Weaving Welding Control Algorithm Based on Constant Heat Input. Materials, 2022, 15, 3796.	1.3	1
23	Spiral tool path generation based on symbolic computation for machining of non-axisymmetric curved surface. International Journal of Advanced Manufacturing Technology, 2017, 91, 3911-3924.	1.5	0
24	A Straightening Control System for the Linear Guide Rail. , 2021, , .		0