

Hong Lu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

172
citations

8
h-index

10
g-index

55
ext. papers

235
ext. citations

2.4
avg, IF

3.13
L-index

#	Paper	IF	Citations
42	Flow Patterns and Force Characteristics of Laminar Flow Past Four Cylinders in Diamond Arrangement. <i>Journal of Hydrodynamics</i> , 2011 , 23, 55-64	3.3	18
41	Improvement on straightness of metal bar based on straightening stroke-deflection model. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 1866-1873		15
40	Fault Diagnosis Method for Rolling Bearings Based on Composite Multiscale Fluctuation Dispersion Entropy. <i>Entropy</i> , 2019 , 21,	2.8	12
39	Peg-hole disassembly using active compliance. <i>Royal Society Open Science</i> , 2019 , 6, 190476	3.3	11
38	Cross-coupled fuzzy logic sliding mode control of dual-driving feed system. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401875551	1.2	11
37	Digitization modeling and CNC machining for enveloping surface parts. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 73, 209-227	3.2	10
36	A Novel Method of Using Vision System and Fuzzy Logic for Quality Estimation of Resistance Spot Welding. <i>Symmetry</i> , 2019 , 11, 990	2.7	8
35	Rolling Bearing Diagnosis Based on Composite Multiscale Weighted Permutation Entropy. <i>Entropy</i> , 2018 , 20,	2.8	8
34	Dynamic Modeling and Experiment Research on Twin Ball Screw Feed System Considering the Joint Stiffness. <i>Symmetry</i> , 2018 , 10, 686	2.7	8
33	Two-Degree-Of-Freedom Dynamic Model-Based Terminal Sliding Mode Control with Observer for Dual-Driving Feed Stage. <i>Symmetry</i> , 2018 , 10, 488	2.7	8
32	Predictive model of grinding residual stress for linear guideway considering straightening history. <i>International Journal of Mechanical Sciences</i> , 2020 , 176, 105536	5.5	6
31	Digitization modeling and CNC machining for cone-generated double-enveloping worm drive. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 95, 3393-3412	3.2	5
30	A novel CNC machining method for enveloping surface. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 85, 779-790	3.2	5
29	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	5
28	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	1.2	5
27	Dynamic Characteristics of Gear Coupling and Rotor System in Transmission Process Considering Misalignment and Tooth Contact Analysis. <i>Processes</i> , 2020 , 8, 1336	2.9	4
26	The numerical and experimental investigations of the near wake behind a modified square stay-cable. <i>Journal of Hydrodynamics</i> , 2016 , 28, 897-904	3.3	3

25	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	3.2	3
24	Mechanical properties of stationary shoulder friction stir welded Aluminum alloys AA7075-T651. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> ,095440622110707	1.3	3
23	A Novel Geometric Error Compensation Method for Gantry-Moving CNC Machine Regarding Dominant Errors. <i>Processes</i> , 2020 , 8, 906	2.9	3
22	Meshing analysis and optimization for plane-generated enveloping toroid hourglass worm drive. <i>Journal of Mechanical Science and Technology</i> , 2021 , 35, 3069-3080	1.6	3
21	Analytical Model of a Multi-Step Straightening Process for Linear Guideways Considering Neutral Axis Deviation. <i>Symmetry</i> , 2018 , 10, 316	2.7	3
20	Variable Span Multistep Straightening Process for Long/Extra-Long Linear Guideways. <i>IEEE Access</i> , 2019 , 7, 107491-107505	3.5	2
19	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	1.4	2
18	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	1.1	2
17	A General Stroke-Based Model for the Straightening Process of D-Type Shaft. <i>Processes</i> , 2020 , 8, 528	2.9	1
16	A Non-Delay Error Compensation Method for Dual-Driving Gantry-Type Machine Tool. <i>Processes</i> , 2020 , 8, 748	2.9	1
15	Research on assembly modeling process based on virtual manufacturing interactive application technology 2017 ,		1
14	Bending properties of GCr15 steel guide rail under the multi-step loading. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 561-564	1	1
13	Enhancement in Quality Estimation of Resistance Spot Welding Using Vision System and Fuzzy Support Vector Machine. <i>Symmetry</i> , 2020 , 12, 1380	2.7	1
12	A Rotor Fault Diagnosis Method Depending on Local Mean Decomposition and Singular Value Entropy 2019 ,		1
11	A Straightness Control System for Motor Shaft Straightening with the Stroke Prediction Algorithm 2019 ,		1
10	A novel control strategy for the multi-step straightening process of long/extra-long linear guideways. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019 , 233, 2959-2975	1.3	1
9	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> ,095440622098419	1.3	1
8	Visual-Based Multi-Section Welding Path Generation Algorithm. <i>Processes</i> , 2020 , 8, 821	2.9	0

7	Dynamic modeling and experimental research on position-dependent behavior of twin ball screw feed system. <i>International Journal of Advanced Manufacturing Technology</i> ,1	3.2	0
6	Influence of Surface Waviness of Journal and Bearing Bush on the Static Characteristics of Hydrodynamic Bearing. <i>Processes</i> , 2021 , 9, 110	2.9	0
5	Spiral tool path generation based on symbolic computation for machining of non-axisymmetric curved surface. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 91, 3911-3924	3.2	
4	Study on Reverse Bending Characteristics in Straightening Process Considering the stress superposition. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 252, 022116	0.3	
3	High efficiency axial deep creep-feed grinding machining technology of engineering ceramics materials. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 902-906	1	
2	A method to improve position accuracy for the dual-drive feed machines by state-dependent friction compensation. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> ,095440542210762	2.4	
1	Towards a Uniform Welding Quality: A Novel Weaving Welding Control Algorithm Based on Constant Heat Input. <i>Materials</i> , 2022 , 15, 3796	3.5	