Boling Yan

List of Publications by Year
in descending order

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42 papers	910 citations	623734 14 h-index	477307 29 g-index
42 all docs	42 docs citations	42 times ranked	579 citing authors

#	Article	IF	Citations
1	Stiffness design and multi-objective optimization of machine tool structure based on biological inspiration. JVC/Journal of Vibration and Control, 2023, 29, 2774-2788.	2.6	8
2	Research on dynamic characteristics of oil-bearing joint surface in slide guides. Mechanics Based Design of Structures and Machines, 2022, 50, 1893-1913.	4.7	8
3	Investigation of tool-workpiece contact rate and milling force in elliptical ultrasonic vibration-assisted milling. International Journal of Advanced Manufacturing Technology, 2022, 118, 585-601.	3.0	5
4	Investigation on synergism between additive and subtractive manufacturing for curved thin-walled structure. Virtual and Physical Prototyping, 2022, 17, 220-238.	10.4	18
5	Study on the geometrical dimensions and mechanical properties of Ti-6Al-4V alloy blade by laser metal deposition. International Journal of Advanced Manufacturing Technology, 2021, 114, 695-707.	3.0	5
6	Multi-physics modeling of direct energy deposition process of thin-walled structures: defect analysis. Computational Mechanics, 2021, 67, 1229-1242.	4.0	25
7	Research on the milling stability of thin-walled parts based on the semi-discretization method of improved Runge-Kutta method. International Journal of Advanced Manufacturing Technology, 2021, 115, 2325-2342.	3.0	4
8	Effect of laser incident energy on the densification and structureâ€“property relationships of additively manufactured CrCoNi medium-entropy alloy. Virtual and Physical Prototyping, 2021, 16, 404-416.	10.4	15
9	Temperature field simulation and mechanical property study of directed laser depositing thin-walled Inconel 718. Mechanics Based Design of Structures and Machines, 2020, , 1-23.	4.7	1
10	Prediction model of peripheral milling surface geometry considering cutting force and vibration. International Journal of Advanced Manufacturing Technology, 2020, 110, 1429-1443.	3.0	15
11	Effect of Laser Remelting on Cladding Layer of Inconel 718 Superalloy Formed by Laser Metal Deposition. Materials, 2020, 13, 4927.	2.9	12
12	Laser direct metal deposition of variable width thin-walled structures in Inconel 718 alloy by coaxial powder feeding. International Journal of Advanced Manufacturing Technology, 2020, 108, 821-840.	3.0	15
13	Vibration recognition for peripheral milling thin-walled workpieces using sample entropy and energy entropy. International Journal of Advanced Manufacturing Technology, 2020, 108, 3251-3266.	3.0	22
14	Recent progress of chatter prediction, detection and suppression in milling. Mechanical Systems and Signal Processing, 2020, 143, 106840.	8.0	184
15	Parametric design and surface topography analysis of turbine blade processing by turn-milling based on CAM. International Journal of Advanced Manufacturing Technology, 2019, 104, 3977-3990.	3.0	8
16	Investigation of mechanics and machinability of titanium alloy thin-walled parts by CBN grinding head. International Journal of Advanced Manufacturing Technology, 2019, 100, 2537-2555.	3.0	22
17	Investigation on milling force of thin-walled workpiece considering dynamic characteristics of workpiece. Journal of Mechanical Science and Technology, 2019, 33, 4061-4079.	1.5	10
18	Chatter detection in milling process based on VMD and energy entropy. Mechanical Systems and Signal Processing, 2018, 105, 169-182.	8.0	197

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19	Investigation on chatter stability of thin-walled parts considering its flexibility based on finite element analysis. International Journal of Advanced Manufacturing Technology, 2018, 94, 3173-3187.	3.0	33
20	Research on chatter stability in milling and parameter optimization based on process damping. JVC/Journal of Vibration and Control, 2018, 24, 2642-2655.	2.6	20
21	Influence of a Scanning Radial Magnetic Field on Macroparticle Reduction of Arc Ion-Plated Films. Coatings, 2018, 8, 49.	2.6	12
22	The chatter identification in end milling based on combining EMD and WPD. International Journal of Advanced Manufacturing Technology, 2017, 91, 3339-3348.	3.0	66
23	Investigation on chatter stability of thin-walled parts in milling based on process damping with relative transfer functions. International Journal of Advanced Manufacturing Technology, 2017, 89, 2701-2711.	3.0	10
24	Research on Cutting Force of Turn-Milling Based on Thin-Walled Blade. Advances in Materials Science and Engineering, 2016, 2016, 1-11.	1.8	4
25	Investigating chip morphology and its characteristics in the high-speed milling of a Ti-6Al-4V thin plate. Journal of Mechanical Science and Technology, 2015, 29, 4359-4366.	1.5	8
26	Analysis of loads on grinding wheel binder in grinding process: insights from discontinuum-hypothesis-based grinding simulation. International Journal of Advanced Manufacturing Technology, 2015, 78, 1943-1960.	3.0	28
27	A web-based virtual CNC turn-milling system. International Journal of Advanced Manufacturing Technology, 2015, 78, 99-113.	3.0	11
28	An overview of turn-milling technology. International Journal of Advanced Manufacturing Technology, 2015, 81, 493-505.	3.0	26
29	Experimental investigation on 3D chip morphology properties of rotary surface during orthogonal turn-milling of aluminum alloy. International Journal of Advanced Manufacturing Technology, 2015, 84, 1253.	3.0	5
30	Modeling and simulation of grinding wheel by discrete element method and experimental validation. International Journal of Advanced Manufacturing Technology, 2015, 81, 1921-1938.	3.0	24
31	Prediction of Three-Dimensional Milling Forces Based on Finite Element. Advances in Materials Science and Engineering, 2014, 2014, 1-7.	1.8	7
32	Research on rotary surface topography by orthogonal turn-milling. International Journal of Advanced Manufacturing Technology, 2013, 69, 2279-2292.	3.0	57
33	Study on motion simulation of turn-milling center based on virtual reality. , 2010, , .		0
34	Research on machining simulation of turn-milling center based on DVR. , 2009, , .		0
35	Integration of the CAD/PDM/ERP System Based on Collaborative Design. , 2008, , .		9
36	Partner Selection System for Collaborative Design. , 2008, , .		1

#	Article	IF	Citations
37	Applications of virtual reality in turn-milling centre. , 2008, , .		3
38	Co-simulation of rigid-flexible coupling system for turn-milling center. , 2008, , .		0
39	Dynamics Modeling and Co-simulation of Rigid-flexible Coupling System of 3-TPT Parallel Robot. , 2007, , .		4
40	Research on motion simulation for robot based on virtual reality. , 2007, , .		4
41	Research on Virtual NC Technique in Turning and Milling Process. , 2007, , .		4
42	Dynamics simulation for flexible parallel robot. , 2007, , .		0