

Boling Yan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2192994/publications.pdf>

Version: 2024-02-01

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	Chatter detection in milling process based on VMD and energy entropy. <i>Mechanical Systems and Signal Processing</i> , 2018, 105, 169-182.	8.0	197
2	Recent progress of chatter prediction, detection and suppression in milling. <i>Mechanical Systems and Signal Processing</i> , 2020, 143, 106840.	8.0	184
3	The chatter identification in end milling based on combining EMD and WPD. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 3339-3348.	3.0	66
4	Research on rotary surface topography by orthogonal turn-milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 2279-2292.	3.0	57
5	Investigation on chatter stability of thin-walled parts considering its flexibility based on finite element analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 3173-3187.	3.0	33
6	Analysis of loads on grinding wheel binder in grinding process: insights from discontinuum-hypothesis-based grinding simulation. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 78, 1943-1960.	3.0	28
7	An overview of turn-milling technology. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 493-505.	3.0	26
8	Multi-physics modeling of direct energy deposition process of thin-walled structures: defect analysis. <i>Computational Mechanics</i> , 2021, 67, 1229-1242.	4.0	25
9	Modeling and simulation of grinding wheel by discrete element method and experimental validation. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 1921-1938.	3.0	24
10	Investigation of mechanics and machinability of titanium alloy thin-walled parts by CBN grinding head. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 2537-2555.	3.0	22
11	Vibration recognition for peripheral milling thin-walled workpieces using sample entropy and energy entropy. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 3251-3266.	3.0	22
12	Research on chatter stability in milling and parameter optimization based on process damping. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 2642-2655.	2.6	20
13	Investigation on synergism between additive and subtractive manufacturing for curved thin-walled structure. <i>Virtual and Physical Prototyping</i> , 2022, 17, 220-238.	10.4	18
14	Prediction model of peripheral milling surface geometry considering cutting force and vibration. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 1429-1443.	3.0	15
15	Laser direct metal deposition of variable width thin-walled structures in Inconel 718 alloy by coaxial powder feeding. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 821-840.	3.0	15
16	Effect of laser incident energy on the densification and structure-property relationships of additively manufactured CrCoNi medium-entropy alloy. <i>Virtual and Physical Prototyping</i> , 2021, 16, 404-416.	10.4	15
17	Influence of a Scanning Radial Magnetic Field on Macroparticle Reduction of Arc Ion-Plated Films. <i>Coatings</i> , 2018, 8, 49.	2.6	12
18	Effect of Laser Remelting on Cladding Layer of Inconel 718 Superalloy Formed by Laser Metal Deposition. <i>Materials</i> , 2020, 13, 4927.	2.9	12

#	ARTICLE	IF	CITATIONS
19	A web-based virtual CNC turn-milling system. International Journal of Advanced Manufacturing Technology, 2015, 78, 99-113.	3.0	11
20	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
21	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
22	Integration of the CAD/PDM/ERP System Based on Collaborative Design. , 2008, , .		9
23	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
24	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
25	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
26	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
27	Prediction of Three-Dimensional Milling Forces Based on Finite Element. Advances in Materials Science and Engineering, 2014, 2014, 1-7.	1.8	7
28	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
29	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
30	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
31	Dynamics Modeling and Co-simulation of Rigid-flexible Coupling System of 3-TPT Parallel Robot. , 2007, , .		4
32	Research on motion simulation for robot based on virtual reality. , 2007, , .		4
33	Research on Virtual NC Technique in Turning and Milling Process. , 2007, , .		4
34	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
35	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
36	Applications of virtual reality in turn-milling centre. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
37	Partner Selection System for Collaborative Design. , 2008, , .		1
38	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
39	Dynamics simulation for flexible parallel robot. , 2007, , .		0
40	Co-simulation of rigid-flexible coupling system for turn-milling center. , 2008, , .		0
41	Research on machining simulation of turn-milling center based on DVR. , 2009, , .		0
42	Study on motion simulation of turn-milling center based on virtual reality. , 2010, , .		0