

Xinggong Jiang

List of Publications by Year in descending order

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papers

846
citations

623734

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all docs

23
docs citations

23
times ranked

552
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility study of wave-motion milling of carbon fiber reinforced plastic holes. International Journal of Extreme Manufacturing, 2021, 3, 010401.	12.7	14
2	High-Speed Rotary Ultrasonic Elliptical Milling of Ti-6Al-4V Using High-Pressure Coolant. Metals, 2020, 10, 500.	2.3	8
3	Theory of Series Inductance Matching to Transducer at Premechanical Resonance Zone in Ultrasonic Vibration Cutting. IEEE Transactions on Industrial Electronics, 2019, 66, 3019-3029.	7.9	24
4	Deep Hole Drilling of Large-Diameter Titanium Alloy With a Novel Rotary Low-Frequency Vibration Device. IEEE Access, 2019, 7, 154872-154881.	4.2	3
5	Feasibility study on ultrasonic-assisted drilling of CFRP/Ti stacks by single-shot under dry condition. International Journal of Advanced Manufacturing Technology, 2019, 105, 1259-1273.	3.0	30
6	Study on surface quality and tool life in ultrasonic vibration countersinking of titanium alloys (Ti6Al4V). International Journal of Advanced Manufacturing Technology, 2019, 103, 1119-1137.	3.0	7
7	Delamination formation, evaluation and suppression during drilling of composite laminates: A review. Composite Structures, 2019, 216, 168-186.	5.8	294
8	Effects of rotary ultrasonic elliptical machining for side milling on the surface integrity of Ti-6Al-4V. International Journal of Advanced Manufacturing Technology, 2019, 101, 1451-1465.	3.0	44
9	Influence of parameter matching on performance of high-speed rotary ultrasonic elliptical vibration-assisted machining for side milling of titanium alloys. International Journal of Advanced Manufacturing Technology, 2019, 101, 1333-1348.	3.0	22
10	Study of Phase Shift Control in High-Speed Ultrasonic Vibration Cutting. IEEE Transactions on Industrial Electronics, 2018, 65, 2467-2474.	7.9	42
11	An analytical transient cutting force model of high-speed ultrasonic vibration cutting. International Journal of Advanced Manufacturing Technology, 2018, 95, 3929-3941.	3.0	27
12	Study on the separation effect of high-speed ultrasonic vibration cutting. Ultrasonics, 2018, 87, 166-181.	3.9	35
13	Self-Compensation Theory and Design of Contactless Energy Transfer and Vibration System for Rotary Ultrasonic Machining. IEEE Transactions on Power Electronics, 2018, 33, 8650-8660.	7.9	19
14	Improving anti-adhesion performance of electrosurgical electrode assisted with ultrasonic vibration. Ultrasonics, 2018, 84, 126-133.	3.9	17
15	A Water-Cooling Eletrome on Reducing Tissue Thermal Damage. , 2018, , .		0
16	Morphology and Mechanical Properties of Vibratory Organs in the Leaf-cutting Ant (Atta cephalotes). Journal of Bionic Engineering, 2018, 15, 722-730.	5.0	3
17	Measurement of ultrasonic-frequency repetitive impulse cutting force signal. Measurement: Journal of the International Measurement Confederation, 2018, 129, 653-663.	5.0	14
18	Feasibility study of high-speed ultrasonic vibration cutting titanium alloy. Journal of Materials Processing Technology, 2017, 247, 111-120.	6.3	105

#	ARTICLE	IF	CITATIONS
19	Determining the optimal pre-tightening force of a sandwich transducer by measuring resonance resistance. <i>Applied Acoustics</i> , 2017, 118, 8-14.	3.3	14
20	Study on rotary ultrasonic-assisted drilling of titanium alloys (Ti6Al4V) using 8-facet drill under no cooling condition. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 3249-3264.	3.0	66
21	Dynamic modelling and embryo zona pellucida perforation experiments with piezoelectric actuated micro-needles. , 2017, , .		3
22	Fabrication of All-SiC Fiber-Optic Pressure Sensors for High-Temperature Applications. <i>Sensors</i> , 2016, 16, 1660.	3.8	37
23	Effect of speed ratio in edge routing of carbon fiber-reinforced plastics by rotary ultrasonic elliptical machining. <i>Journal of Reinforced Plastics and Composites</i> , 2015, 34, 1779-1790.	3.1	18