

Zhiqiang Liu

List of Publications by Year in descending order

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22
papers

382
citations

1163117

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docs citations

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425
citing authors

#	ARTICLE	IF	CITATIONS
1	Wear performance of (nc-AlTiN)/(a-Si ₃ N ₄) coating and (nc-AlCrN)/(a-Si ₃ N ₄) coating in high-speed machining of titanium alloys under dry and minimum quantity lubrication (MQL) conditions. <i>Wear</i> , 2013, 305, 249-259.	3.1	146
2	Experimental investigation on conventional grinding of Ti-6Al-4V using SiC abrasive. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 57, 135-142.	3.0	62
3	A coupling method of response surfaces (CRSM) for cutting parameters optimization in machining titanium alloy under minimum quantity lubrication (MQL) condition. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 693-702.	2.2	39
4	Evaluation of minimum quantity lubrication effects by cutting force signals in face milling of Inconel 182 overlays. <i>Journal of Cleaner Production</i> , 2015, 108, 145-157.	9.3	37
5	An investigation on wear mechanism of high-speed turning of free-cutting steel AISI 1215 using uncoated and multi-layer coated tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 67, 517-533.	3.0	13
6	Experimental investigation of microdrilling of printed circuit board. <i>Circuit World</i> , 2013, 39, 82-94.	0.9	11
7	Research on Risk Evaluation and Dynamic Escape Path Planning Algorithm Based on Real-Time Spread of Ship Comprehensive Fire. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 602.	2.6	10
8	Study on the Tribological Properties of Porous Titanium Sliding against Tungsten Carbide YG6. <i>Metals</i> , 2017, 7, 28.	2.3	9
9	Investigation of Surface Integrity in Conventional Grinding of Ti-6Al-4V. <i>Advanced Materials Research</i> , 0, 126-128, 899-904.	0.3	8
10	Wear Mechanism of High-Speed Turning Ti-6Al-4V with TiAlN and AlTiN Coated Tools in Dry and MQL Conditions. <i>Advanced Materials Research</i> , 2012, 497, 30-34.	0.3	8
11	Investigation on Surface Grinding of Ti-6Al-4V Using Minimum Quantity Lubrication. <i>Advanced Materials Research</i> , 0, 500, 308-313.	0.3	8
12	A Coupling Response Surfaces Methodology of Multiple Constraints (CRSMMC) for parameters optimization of broach tool in broaching of heat-resistant steel X12CrMoWVNb N-10-1-1. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 74, 1719-1732.	3.0	7
13	Experimental Research of Grinding TC4 Titanium Alloy Using Green Silicon Carbide Wheel. <i>Key Engineering Materials</i> , 0, 487, 121-125.	0.4	6
14	Investigation of Grinding Ti-6Al-4V under Minimum Quantity Lubrication (MQL) Condition. <i>Key Engineering Materials</i> , 2011, 487, 84-88.	0.4	5
15	One-Dimensional Constitutive Model for Porous Titanium Alloy at Various Strain Rates and Temperatures. <i>Metals</i> , 2017, 7, 24.	2.3	4
16	Machinability Study on Hard Milling of Ultra-High Strength Steel 30Cr3SiNiMoVA. <i>Advanced Materials Research</i> , 0, 565, 496-502.	0.3	3
17	Study on Grinding Machinability of Titanium Alloy Using SiC Abrasive. <i>Key Engineering Materials</i> , 2011, 487, 34-38.	0.4	2
18	Surface Roughness Prediction in Turning of Free Machining Steel 1215 by Artificial Neural Network. <i>Advanced Materials Research</i> , 0, 188, 535-541.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Parameters Optimization of Turning Free Cutting Steel Based on the Coupling Method of Response Surfaces. <i>Advanced Materials Research</i> , 2011, 188, 301-306.	0.3	1
20	Friction in Turning Titanium Alloy Ti-6Al-1.5Cr-2.5Mo-0.5Fe-0.3Si under Minimum Quantity Lubrication (MQL) Condition. <i>Advanced Materials Research</i> , 2012, 500, 99-104.	0.3	1
21	Study on the constitutive model of porous titanium alloy. <i>Emerging Materials Research</i> , 2019, 8, 365-375.	0.7	1
22	Analysis of Specific Energy of TC18 and TA19 Titanium Alloys in Surface Grinding. <i>Advanced Materials Research</i> , 0, 325, 147-152.	0.3	0