

Thanongsak Thepsonthi

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

817
citations

840776

11
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

616
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 3-D finite element process simulation of micro-end milling Ti-6Al-4V titanium alloy: Experimental validations on chip flow and tool wear. <i>Journal of Materials Processing Technology</i> , 2015, 221, 128-145. | 6.3 | 170 |
| 2 | Experimental and finite element simulation based investigations on micro-milling Ti-6Al-4V titanium alloy: Effects of cBN coating on tool wear. <i>Journal of Materials Processing Technology</i> , 2013, 213, 532-542. | 6.3 | 154 |
| 3 | Multi-objective process optimization for micro-end milling of Ti-6Al-4V titanium alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 63, 903-914. | 3.0 | 142 |
| 4 | Experiments and finite element simulations on micro-milling of Ti-6Al-4V alloy with uncoated and cBN coated micro-tools. <i>CIRP Annals - Manufacturing Technology</i> , 2011, 60, 85-88. | 3.6 | 121 |
| 5 | Swarm Intelligent Selection and Optimization of Machining System Parameters for Microchannel Fabrication in Medical Devices. <i>Materials and Manufacturing Processes</i> , 2011, 26, 403-414. | 4.7 | 43 |
| 6 | An integrated toolpath and process parameter optimization for high-performance micro-milling process of Ti-6Al-4V titanium alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 75, 57-75. | 3.0 | 43 |
| 7 | Effect of process parameters in nanosecond pulsed laser micromachining of PMMA-based microchannels at near-infrared and ultraviolet wavelengths. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 67, 1651-1664. | 3.0 | 38 |
| 8 | Nanosecond pulsed laser micromachining of PMMA-based microfluidic channels. <i>Journal of Manufacturing Processes</i> , 2012, 14, 435-442. | 5.9 | 32 |
| 9 | Micro milling of titanium alloy Ti-6Al-4V: 3-D finite element modeling for prediction of chip flow and burr formation. <i>Production Engineering</i> , 2017, 11, 435-444. | 2.3 | 31 |
| 10 | Simulation of serrated chip formation in micro-milling of titanium alloy Ti-6Al-4V using 2D elasto-viscoplastic finite element modeling. <i>Production Engineering</i> , 2016, 10, 575-586. | 2.3 | 19 |
| 11 | Micromilling high aspect ratio features using tungsten carbide tools. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2014, 228, 1350-1358. | 2.4 | 18 |
| 12 | Nanosecond Pulsed Laser Processing of Ion Implanted Single Crystal Silicon Carbide Thin Layers. <i>Physics Procedia</i> , 2014, 56, 933-943. | 1.2 | 1 |