

Xinyu Liu

List of Publications by Year in descending order

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22
papers

996
citations

1040056

9
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

1211
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Design and Manufacturing Education through Research Experience for High School Teachers. <i>Procedia Manufacturing</i> , 2018, 26, 1340-1348.	1.9	4
2	Development of a fiber optical occlusion based non-contact automatic tool setter for a micro-milling machine. <i>Robotics and Computer-Integrated Manufacturing</i> , 2017, 43, 12-17.	9.9	6
3	Polypyrrole-interface-functionalized nano-magnetite epoxy nanocomposites as electromagnetic wave absorbers with enhanced flame retardancy. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5334-5344.	5.5	242
4	Physical Modeling on Hydraulic Performance of Rectangular Bridge Deck Drains. <i>Water (Switzerland)</i> , 2016, 8, 67.	2.7	2
5	Experimental investigation of the tool wear in micro-milling of stainless steel 316. <i>International Journal of Mechatronics and Manufacturing Systems</i> , 2016, 9, 122.	0.1	2
6	Experimental Investigation of Micro-Machinability of Nano-TiC Reinforced Inconel Fabricated by Direct Metal Laser Melting. , 2015, , .		1
7	Heavy duty piezoresistivity induced strain sensing natural rubber/carbon black nanocomposites reinforced with different carbon nanofillers. <i>Materials Research Express</i> , 2014, 1, 035029.	1.6	16
8	Electromagnetic Field Absorbing Polypropylene Nanocomposites with Tuned Permittivity and Permeability by Nanoiron and Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24784-24796.	3.1	86
9	Development of a Mobile App for Learning System Dynamics. , 2013, , .		0
10	Experimental Investigation of the Tool Wear and Tool Life in Micro Hard Milling. , 2013, , .		1
11	Physical Modeling Study on Hydraulic Performance of Rectangular Deck Drains. , 2012, , .		0
12	In situ metrology system for micro-milling machine. <i>Journal of Manufacturing Systems</i> , 2012, 31, 15-21.	13.9	11
13	Multi-Objective Optimization for the Micro-Milling Process With Adaptive Data Modeling. , 2011, , .		1
14	Experimental Investigation of Micro-Milling Accuracy Using On-Machine Measurement System. , 2010, , .		0
15	Investigations on Mechanics-Based Process Planning of Micro-End Milling in Machining Mold Cavities. <i>Materials and Manufacturing Processes</i> , 2009, 24, 1274-1281.	4.7	32
16	Micromilling Process Planning and Modeling for Micromold Manufacturing. , 2007, , 759.		6
17	Model-Based Analysis of the Surface Generation in Microendmillingâ€™Part I: Model Development. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007, 129, 453-460.	2.2	49
18	Model-Based Analysis of the Surface Generation in Microendmillingâ€™Part II: Experimental Validation and Analysis. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007, 129, 461-469.	2.2	34

#	ARTICLE	IF	CITATIONS
19	Investigation of the Dynamics of Microend Milling“Part I: Model Development. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2006, 128, 893-900.	2.2	114
20	The Mechanics of Machining at the Microscale: Assessment of the Current State of the Science. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2004, 126, 666-678.	2.2	346
21	Cutting Mechanisms and Their Influence on Dynamic Forces, Vibrations and Stability in Micro-Endmilling. , 2004, , 583.		38
22	A Stability Solution for the Axial Contour-Turning Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2002, 124, 581-587.	2.2	5