S P Leo Kumar

List of Publications by Year
in descending order

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20	492	1040056 9	1125743 13
papers	citations	h-index	g-index

21	21	21	609
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	State of The Art-Intense Review on Artificial Intelligence Systems Application in Process Planning and Manufacturing. Engineering Applications of Artificial Intelligence, 2017, 65, 294-329.	8.1	129
2	A Review on Current Research Aspects in Tool-Based Micromachining Processes. Materials and Manufacturing Processes, 2014, 29, 1291-1337.	4.7	81
3	Knowledge-based expert system in manufacturing planning: state-of-the-art review. International Journal of Production Research, 2019, 57, 4766-4790.	7.5	79
4	Measurement and uncertainty analysis of surface roughness and material removal rate in micro turning operation and process parameters optimization. Measurement: Journal of the International Measurement Confederation, 2019, 140, 538-547.	5.0	51
5	Experimental investigations and empirical modeling for optimization of surface roughness and machining time parameters in micro end milling using Genetic Algorithm. Measurement: Journal of the International Measurement Confederation, 2018, 124, 386-394.	5.0	47
6	Review on effect of Ti-alloy processing techniques on surface-integrity for biomedical application. Materials and Manufacturing Processes, 2020, 35, 869-892.	4.7	31
7	Process parameters optimization for micro end-milling operation for CAPP applications. Neural Computing and Applications, 2014, 25, 1941-1950.	5.6	14
8	An intelligent process planning system for micro turn-mill parts. International Journal of Production Research, 2014, 52, 6052-6075.	7.5	11
9	Influence of cutting conditions on surface characteristics in micro-milling of Ti-6Al-7Nb alloy. Materials and Manufacturing Processes, 2019, 34, 1783-1791.	4.7	11
10	Experimental investigation and optimisation of process parameters in micro-electrical discharge machining. International Journal of Manufacturing Technology and Management, 2013, 27, 88.	0.1	9
11	Feature-based modelling and process parameters selection in a CAPP system for prismatic micro parts. International Journal of Computer Integrated Manufacturing, 0, , 1-17.	4.6	9
12	Investigations on corrosion resistance behavior in micro-milling of Ti-6Al-4V and Ti-6Al-7Nb alloy: a comparative study. Journal of Mechanical Science and Technology, 2020, 34, 3757-3765.	1.5	5
13	Automation of tool path generation in multi-process micromachine tool for micromachining of prismatic and rotational parts. International Journal of Computer Integrated Manufacturing, 2018, 31, 49-70.	4.6	4
14	Automatic Feature Extraction and CNC Code Generation in a CAPP System for Micromachining. , 2014, 5, 1986-1997.		3
15	Experimental biocompatibility investigations of Tiâ€“6Alâ€“7Nb alloy in micromilling operation in terms of corrosion behavior and surface characteristics study. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	3
16	Investigations on surface-integrity and mechanical properties of biocompatible grade Ti-6Al-7Nb alloy. Materials Technology, 0, , 1-9.	3.0	3
17	Investigations on achievable surface quality in milling of Ti-35Nb-7Zr-5Ta alloy. Materials and Manufacturing Processes, 0, , 1-7.	4.7	1
18	Accuracy Improvement in Tool-Based Micromachining. Lecture Notes in Mechanical Engineering, 2020, , 1-21.	0.4	1

#	Article	IF	Citations
19	Finite Element Analysis of Chip Formation in Micro-Milling Operation. Advances in Chemical and Materials Engineering Book Series, 2020, , 202-213.	0.3	0
20	Effect of cutting conditions on surface integrity in end-milling of Ti-35Nb-7Zr-5Ta alloy. Materials and Manufacturing Processes, 0, , 1-8.	4.7	0