Vahid Tahmasbi

List of Publications by Year
in descending order

10 papers	107 citations	1478505 6 h-index	1474206 9 g-index
10 all docs	10 docs citations	10 times ranked	91 citing authors

#	Article	IF	Citations
1	Investigation, sensitivity analysis, and multi-objective optimization of effective parameters on temperature and force in robotic drilling cortical bone. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 1012-1024.	1.8	34
2	Analytical and experimental study of effective parameters on process temperature during cortical bone drilling. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 871-883.	1.8	19
3	Experimental and finite element investigation of high-speed bone drilling: evaluation of force and temperature. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	12
4	Modelling and optimisation of temperature and force behaviour in high-speed bone drilling. Biotechnology and Biotechnological Equipment, 2019, 33, 1616-1625.	1.3	11
5	Sensitivity analysis of temperature and force in robotic bone drilling process using Sobol statistical method. Biotechnology and Biotechnological Equipment, 2018, 32, 130-141.	1.3	10
6	Investigation of Dissimilar Resistance Spot Welding Process of AISI 304 and AISI 1060 Steels with TLBO-ANFIS and Sensitivity Analysis. Metals, 2021, 11, 1324.	2.3	7
7	An effect of osteon orientation in end milling operation of cortical bone based on FEM and experiment. Journal of Manufacturing Processes, 2022, 81, 141-154.	5.9	7
8	Statistical modeling, Sobol sensitivity analysis and optimization of single-tip tool geometrical parameters in the cortical bone machining process. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 28-38.	1.8	4
9	EXPERIMENTAL ANALYSIS, STATISTICAL MODELING AND OPTIMIZATION OF EFFECTIVE PARAMETERS ON SURFACE QUALITY IN CORTICAL BONE MILLING PROCESS. Journal of Mechanics in Medicine and Biology, 2020, 20, 1950078.	0.7	2
10	Intelligent temperature modeling in robotic cortical bone milling process based on teaching-learning-based optimization algorithm. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 0, , 095441192211068.	1.8	1