Alexander Polyakov

List of Publications by Year
in descending order

		1937685	2053705
20	41	4	5
papers	citations	h-index	g-index

21	21	21	11
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing the Temperature Error in Operational Machine Tools. Russian Engineering Research, 2018, 38, 408-410.	0.6	5
2	Thermal error compensation in CNC machine tools using measurement technologies. Journal of Physics: Conference Series, 2019, 1333, 062021.	0.4	5
3	Training a New Generation of Engineers for Digital Economy. Vysshee Obrazovanie V Rossii, 2019, 28, 150-159.	1.1	5
4	Thermal characteristics of multipurpose machine tools. Russian Engineering Research, 2011, 31, 1248-1252.	0.6	4
5	Experimental study of double-sided face grinding machine tool. Journal of Physics: Conference Series, 2019, 1399, 044026.	0.4	4
6	Simulation thermal model of CNC machine tool operating with variable modes. IOP Conference Series: Materials Science and Engineering, 2019, 560, 012034.	0.6	3
7	A method to select the finite element models for the structural analysis of machine tools. Journal of Physics: Conference Series, 2019, 1399, 044033.	0.4	3
8	More efficient use of CAE systems in machine tool design. Russian Engineering Research, 2010, 30, 67-71.	0.6	2
9	Static and thermal characteristics of numerically controlled machine tools. Russian Engineering Research, 2014, 34, 806-810.	0.6	2
10	Experimental Thermal Performance Double-Sided Face Grinding Machine. Lecture Notes in Mechanical Engineering, 2022, , 134-142.	0.4	2
11	Experimental research of kinetic and dynamic characteristics of temperature movements of machines. IOP Conference Series: Materials Science and Engineering, 2018, 327, 042076.	0.6	1
12	Approximation of machine tool experimental thermal characteristics by neural network. Journal of Physics: Conference Series, 2019, 1399, 044018.	0.4	1
13	THE EXPERIMENTAL ANALYSIS OF A TEMPERATURE ERROR OF THE CNC MACHINE TOOL. Spravochnik Inzhenernyi Zhurnal, 2015, , 33-38.	1.1	1
14	AUTOMATED CORRECTION SYSTEM OF A TEMPERATURE ERROR OF THE CNC MACHINE TOOL. Spravochnik Inzhenernyi Zhurnal, 2016, , 33-41.	1.1	1
15	The method of thermal testing of machine tools on the basis of kinetic and dynamic characteristics of thermal displacement of the working bodies. Repair Reconditioning Modernization, 2018, , 34-39.	0.1	1
16	Method for Predicting Thermal Characteristics of Machine Tools Based on Experimental Modal Analysis. Lecture Notes in Mechanical Engineering, 2020, , 85-93.	0.4	1
17	Investigation of approximate models of experimental temperature characteristics of machines. Journal of Physics: Conference Series, 2018, 1015, 032181.	0.4	0
18	Improving the accuracy of threading by optimizing the design of the tool. IOP Conference Series: Materials Science and Engineering, 2020, 709, 033067.	0.6	0

#	Article	IF	Citations
19	Mechanized installation for molding of wood-concrete panels. IOP Conference Series: Materials Science and Engineering, 2020, 709, 033079.	0.6	0
20	Application of Modal Analysis to Building Simulation Models of Thermal Processes in Machine Tools. Lecture Notes in Mechanical Engineering, 2021, , 75-84.	0.4	0