Bartosz PowaÅ‚ka

List of Publications by Year
in descending order

32 papers	449 citations	759233 12 h-index	713466 21 g-index
33 all docs	33 docs citations	33 times ranked	375 citing authors

#	Article	IF	Citations
1	Design of an Ultra-Light Portable Machine Tool. IEEE Access, 2021, 9, 43837-43844.	4.2	4
2	Parallel Cross-section Recognition of Geometrical Features for Selected Machine Parts. Journal of Machine Engineering, 2021, , .	1.8	0
3	Orthotropic model of rolling bearing in modeling lathe spindle dynamics. Journal of Theoretical and Applied Mechanics, 2021, , 17-31.	0.5	0
4	Increasing lathe machining stability by using a composite steelâ€“polymer concrete frame. CIRP Journal of Manufacturing Science and Technology, 2020, 31, 1-13.	4.5	13
5	Remanufacturing System with Chatter Suppression for CNC Turning. Sensors, 2020, 20, 5070.	3.8	5
6	Evaluation of Surface Topography after Face Turning of CoCr Alloys Fabricated by Casting and Selective Laser Melting. Materials, 2020, 13, 2448.	2.9	12
7	A new approach to improve noncircular turning process. International Journal of Advanced Manufacturing Technology, 2019, 104, 3343-3360.	3.0	2
8	Rapid method to determine accuracy and repeatability of positioning of numerically controlled axes. International Journal of Machine Tools and Manufacture, 2019, 137, 1-12.	13.4	10
9	Dual ant colony operational modal analysis parameter estimation method. Mechanical Systems and Signal Processing, 2018, 98, 231-267.	8.0	5
10	Assistance of machining parameters selection for slender tools in CNC control. AIP Conference Proceedings, 2018, , .	0.4	5
11	Prediction of turning stability using receptance coupling. AIP Conference Proceedings, 2018, , .	0.4	8
12	Identification of a Lathe Spindle Dynamics Using Extended Inverse Receptance Coupling. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	6
13	Objectâ€™s optical geometry measurements based on Extended Depth of Field (EDoF) approach. AIP Conference Proceedings, 2017, , .	0.4	1
14	Machine vision micro-milling tool wear inspection by image reconstruction and light reflectance. Precision Engineering, 2016, 44, 236-244.	3.4	68
15	Modal parameters estimation using ant colony optimisation algorithm. Mechanical Systems and Signal Processing, 2016, 76-77, 531-554.	8.0	15
16	Assessment of Modal Parameters of a Building Structure Model. Springer Proceedings in Mathematics and Statistics, 2016, , 319-325.	0.2	6
17	Stability analysis in milling of flexible parts based on operational modal analysis. CIRP Journal of Manufacturing Science and Technology, 2015, 9, 125-135.	4.5	25
18	Workpiece Grain Size Influence on the Vibration in Micro-milling. Lecture Notes in Mechanical Engineering, 2014, , 583-588.	0.4	1

#	Article	IF	Citations
19	Active vibration control in milling flexible workpieces. JVC/Journal of Vibration and Control, 2013, 19, 1103-1120.	2.6	46
20	Chatter detection algorithm based on machine vision. International Journal of Advanced Manufacturing Technology, 2012, 62, 517-528.	3.0	25
21	Dynamics of the guideway system founded on casting compound. International Journal of Advanced Manufacturing Technology, 2012, 59, 1-7.	3.0	17
22	Experimental Identification of the Nonlinear Parameters of an Industrial Translational Guide for Machine Performance Evaluation. JVC/Journal of Vibration and Control, 2008, 14, 645-668.	2.6	28
23	Dynamic Error Characterization for Non-Contact Dimensional Inspection Systems. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	2.2	9
24	Identification of machining force model parameters from acceleration measurements. International Journal of Manufacturing Research, 2008, 3, 265.	0.2	14
25	The Influence of Valve Seats Machining Process on Roundness Error. , 2008, , .		1
26	In-Line Inspection of Engine Valve Seats Using a Non-Contact Range Sensor. , 2008, , .		0
27	Effect of a Nonlinear Joint on the Dynamic Performance of a Machine Tool. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2007, 129, 943-950.	2.2	39
28	Dynamics of the arch-type reconfigurable machine tool. International Journal of Machine Tools and Manufacture, 2007, 47, 326-334.	13.4	63
29	Experimental Identification of the Nonlinear Parameters of an Industrial Translational Guide. , 2006, , 1089.		5
30	Method of Reducing the Number of DOF in the Machine Tool-Cutting Process System from the Point of View of Vibrostability Analysis. JVC/Journal of Vibration and Control, 2002, 8, 481-492.	2.6	6
31	Vibrostability of the Milling Process Described by the Time-Variable Parameter Model. JVC/Journal of Vibration and Control, 2002, 8, 467-479.	2.6	10
32	Determination of the Global Sensitivity of the Vibrostability Limit for Improving Machine Tools Dynamics. JVC/Journal of Vibration and Control, 2002, 8, 493-502.	2.6	0