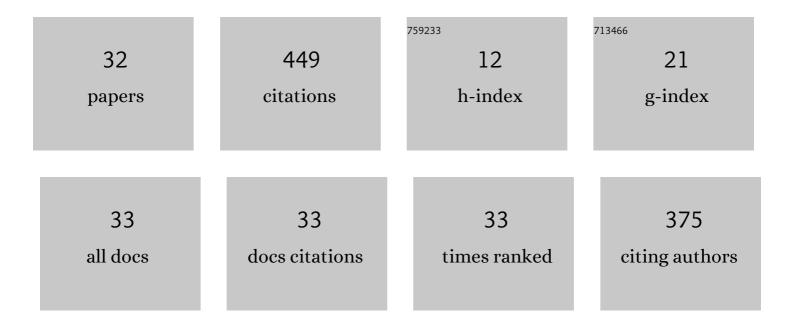
Bartosz PowaÅ,ka

List of Publications by Year in descending order

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<u>ΒΑΡΤΟς7 ΡΟΙΜΑΔ΄ ΚΑ</u>

#	Article	IF	CITATIONS
1	Machine vision micro-milling tool wear inspection by image reconstruction and light reflectance. Precision Engineering, 2016, 44, 236-244.	3.4	68
2	Dynamics of the arch-type reconfigurable machine tool. International Journal of Machine Tools and Manufacture, 2007, 47, 326-334.	13.4	63
3	Active vibration control in milling flexible workpieces. JVC/Journal of Vibration and Control, 2013, 19, 1103-1120.	2.6	46
4	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
5	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
6	Chatter detection algorithm based on machine vision. International Journal of Advanced Manufacturing Technology, 2012, 62, 517-528.	3.0	25
7	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
8	Dynamics of the guideway system founded on casting compound. International Journal of Advanced Manufacturing Technology, 2012, 59, 1-7.	3.0	17
9	Modal parameters estimation using ant colony optimisation algorithm. Mechanical Systems and Signal Processing, 2016, 76-77, 531-554.	8.0	15
10	Identification of machining force model parameters from acceleration measurements. International Journal of Manufacturing Research, 2008, 3, 265.	0.2	14
11	Increasing lathe machining stability by using a composite steel–polymer concrete frame. CIRP Journal of Manufacturing Science and Technology, 2020, 31, 1-13.	4.5	13
12	Evaluation of Surface Topography after Face Turning of CoCr Alloys Fabricated by Casting and Selective Laser Melting. Materials, 2020, 13, 2448.	2.9	12
13	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
14	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
15	Dynamic Error Characterization for Non-Contact Dimensional Inspection Systems. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	2.2	9
16	Prediction of turning stability using receptance coupling. AIP Conference Proceedings, 2018, , .	0.4	8
17	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
18	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

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#	Article	IF	CITATIONS
19	Assessment of Modal Parameters of a Building Structure Model. Springer Proceedings in Mathematics and Statistics, 2016, , 319-325.	0.2	6
20	Experimental Identification of the Nonlinear Parameters of an Industrial Translational Guide. , 2006, , 1089.		5
21	Dual ant colony operational modal analysis parameter estimation method. Mechanical Systems and Signal Processing, 2018, 98, 231-267.	8.0	5
22	Assistance of machining parameters selection for slender tools in CNC control. AIP Conference Proceedings, 2018, , .	0.4	5
23	Remanufacturing System with Chatter Suppression for CNC Turning. Sensors, 2020, 20, 5070.	3.8	5
24	Design of an Ultra-Light Portable Machine Tool. IEEE Access, 2021, 9, 43837-43844.	4.2	4
25	A new approach to improve noncircular turning process. International Journal of Advanced Manufacturing Technology, 2019, 104, 3343-3360.	3.0	2
26	The Influence of Valve Seats Machining Process on Roundness Error. , 2008, , .		1
27	Object's optical geometry measurements based on Extended Depth of Field (EDoF) approach. AIP Conference Proceedings, 2017, , .	0.4	1
28	Workpiece Grain Size Influence on the Vibration in Micro-milling. Lecture Notes in Mechanical Engineering, 2014, , 583-588.	0.4	1
29	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	Ο
30	Parallel Cross-section Recognition of Geometrical Features for Selected Machine Parts. Journal of Machine Engineering, 2021, , .	1.8	0
31	In-Line Inspection of Engine Valve Seats Using a Non-Contact Range Sensor. , 2008, , .		0
32	Orthotropic model of rolling bearing in modeling lathe spindle dynamics. Journal of Theoretical and Applied Mechanics, 2021, , 17-31.	0.5	0