

# Bartosz PowaÅ,ka

## List of Publications by Year in descending order

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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	Machine vision micro-milling tool wear inspection by image reconstruction and light reflectance. <i>Precision Engineering</i> , 2016, 44, 236-244.	3.4	68
2	Dynamics of the arch-type reconfigurable machine tool. <i>International Journal of Machine Tools and Manufacture</i> , 2007, 47, 326-334.	13.4	63
3	Active vibration control in milling flexible workpieces. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 1103-1120.	2.6	46
4	Effect of a Nonlinear Joint on the Dynamic Performance of a Machine Tool. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007, 129, 943-950.	2.2	39
5	Experimental Identification of the Nonlinear Parameters of an Industrial Translational Guide for Machine Performance Evaluation. <i>JVC/Journal of Vibration and Control</i> , 2008, 14, 645-668.	2.6	28
6	Chatter detection algorithm based on machine vision. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 62, 517-528.	3.0	25
7	Stability analysis in milling of flexible parts based on operational modal analysis. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2015, 9, 125-135.	4.5	25
8	Dynamics of the guideway system founded on casting compound. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 59, 1-7.	3.0	17
9	Modal parameters estimation using ant colony optimisation algorithm. <i>Mechanical Systems and Signal Processing</i> , 2016, 76-77, 531-554.	8.0	15
10	Identification of machining force model parameters from acceleration measurements. <i>International Journal of Manufacturing Research</i> , 2008, 3, 265.	0.2	14
11	Increasing lathe machining stability by using a composite steel-polymer concrete frame. <i>CIRP Journal of Manufacturing Science and Technology</i> , 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. <i>Materials</i> , 2020, 13, 2448.	2.9	12
13	Vibrostability of the Milling Process Described by the Time-Variable Parameter Model. <i>JVC/Journal of Vibration and Control</i> , 2002, 8, 467-479.	2.6	10
14	Rapid method to determine accuracy and repeatability of positioning of numerically controlled axes. <i>International Journal of Machine Tools and Manufacture</i> , 2019, 137, 1-12.	13.4	10
15	Dynamic Error Characterization for Non-Contact Dimensional Inspection Systems. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008, 130, .	2.2	9
16	Prediction of turning stability using receptance coupling. <i>AIP Conference Proceedings</i> , 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. <i>JVC/Journal of Vibration and Control</i> , 2002, 8, 481-492.	2.6	6
18	Identification of a Lathe Spindle Dynamics Using Extended Inverse Receptance Coupling. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018, 140, .	1.6	6

#	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	Objectâ€™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	0
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