Marek A Galewski

List of Publications by Year
in descending order

23 papers	187 citations	1307594 7 h-index	1125743 13 g-index
24 all docs	24 docs citations	24 times ranked	118 citing authors

#	Article	IF	Citations
1	Chatter vibration surveillance by the optimal-linear spindle speed control. Mechanical Systems and Signal Processing, 2011, 25, 383-399.	8.0	39
2	Optimal spindle speed determination for vibration reduction during ball-end milling of flexible details. International Journal of Machine Tools and Manufacture, 2015, 92, 19-30.	13.4	36
3	Vibration surveillance supported by Hardware-In-the-Loop Simulation in milling flexible workpieces. Mechatronics, 2014, 24, 1071-1082.	3.3	20
4	Vibration Surveillance during Milling Flexible Details with the Use of Active Optimal Control. Journal of Low Frequency Noise Vibration and Active Control, 2013, 32, 145-155.	2.9	14
5	Spectrum-based modal parameters identification with Particle Swarm Optimization. Mechatronics, 2016, 37, 21-32.	3.3	11
6	Modelling and Simulation of a New Variable Stiffness Holder for Milling of Flexible Details. Polish Maritime Research, 2017, 24, 115-124.	1.9	9
7	High Speed Milling Vibration Surveillance with Optimal Spindle Speed Based on Optimal Speeds Map. Key Engineering Materials, 0, 597, 125-130.	0.4	8
8	The Optimal Spindle Speed Map for Reduction of Chatter Vibration during Milling of Bow Thruster Blade. Solid State Phenomena, 2013, 198, 686-691.	0.3	8
9	A modified method of vibration surveillance by using the optimal control at energy performance index. Mechanical Systems and Signal Processing, 2015, 58-59, 41-52.	8.0	6
10	The study of Arduino Uno feasibility for DAQ purposes. Diagnostyka, 2019, 20, 33-48.	0.8	6
11	A technique of experiment aided virtual prototyping to obtain the best spindle speed during face milling of large-size structures. Meccanica, 2021, 56, 825-840.	2.0	5
12	Simulation and Experiments of High Speed Machining Vibration Monitoring with Variable Spindle Velocity. Solid State Phenomena, 2010, 164, 285-290.	0.3	4
13	Modal Parameters Identification with Particle Swarm Optimization. Key Engineering Materials, 2013, 597, 119-124.	0.4	4
14	FPGA Based Real Time Simulations of the Face Milling Process. IEEE Access, 2020, 8, 215987-216002.	4.2	3
15	Estimation of structural stiffness with the use of Particle Swarm Optimization. Latin American Journal of Solids and Structures, 2021, 18, .	1.0	3
16	An Improved Method of Minimizing Tool Vibration during Boring Holes in Large-Size Structures. Materials, 2021, 14, 4491.	2.9	3
17	A method of predicting the best conditions for large-size workpiece clamping to reduce vibration in the face milling process. Scientific Reports, 2021, 11, 20773.	3.3	2
18	An Experimentally Aided Operational Virtual Prototyping to Obtain the Best Spindle Speed during Face Milling of Large-Size Structures. Materials, 2021, 14, 6562.	2.9	2

#	Article	IF	Citations
19	Simplified Map-based Selection of Optimal Spindle Speeds When Milling Complex Structures. Mechanisms and Machine Science, 2019, , 4005-4014.	0.5	1
20	Experiment-aided virtual prototyping to minimize tool-workpiece vibration during boring of large-sized structures. Mechanisms and Machine Science, 2019, , 2741-2750.	0.5	1
21	Minimization of vibrations during milling of flexible structures using mechatronic design techniques. , 2019, , .		0
22	Requirements for Supporting Diagnostic Equipment of Respiration Process in Humans. Sensors, 2021, 21, 3479.	3.8	0
23	Adjusting the Stiffness of Supports during Milling of a Large-Size Workpiece Using the Salp Swarm Algorithm. Sensors, 2022, 22, 5099.	3.8	0