Adam WoÅ¹niak

List of Publications by Year
in descending order

41 papers	469 citations	687363 13 h-index	713466 21 g-index
41 all docs	41 docs citations	41 times ranked	236 citing authors

#	Article	IF	Citations
1	The share of the probe errors in on-machine measurements. Precision Engineering, 2022, 75, 111-119.	3.4	3
2	Measurement of the growth of children at weekly intervals: Results. Review of Scientific Instruments, 2021, 92, 024104.	1.3	0
3	Measurement hysteresis of touch-trigger probes for CNC machine tools. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107568.	5.0	11
4	Measurement of the growth of children at weekly intervals. Review of Scientific Instruments, 2019, 90, 024103.	1.3	1
5	A new method for examining the dynamic performance of coordinate measuring machines. Measurement: Journal of the International Measurement Confederation, 2019, 134, 814-819.	5.0	13
6	On-machine and In-laboratory Investigation of Errors of Probes for CNC Machine Tools. Lecture Notes in Networks and Systems, 2019, , 433-439.	0.7	0
7	Accuracy of X-ray computed tomography for dimensional metrology with employment of a new threshold selection method. Journal of X-Ray Science and Technology, 2018, 26, 833-841.	1.0	2
8	Random and Systematic Errors Share in Total Error of Probes for CNC Machine Tools. Journal of Manufacturing and Materials Processing, 2018, 2, 17.	2.2	3
9	Influence of Measurement Parameters Settings on the Results of the CT Measurement. Advances in Intelligent Systems and Computing, 2018, , 607-612.	0.6	1
10	Application of Coordinate Measuring Arm for Accurate Measurement of Child Growth. Measurement Science Review, 2018, 18, 201-206.	1.0	1
11	Proposed Use of Monte Carlo Simulated Images to Evaluate the Accuracy of Measurements on X-Ray Computed Tomography. Measurement Science Review, 2018, 18, 251-255.	1.0	1
12	COMPENSATION OF SYSTEMATIC ERRORS OF DAMAGED PROBE FOR ON-MACHINE MEASUREMENT. Journal of Machine Engineering, 2018, Vol.18, 89-95.	1.8	1
13	Variable speed compensation method of errors of probes for CNC machine tools. Precision Engineering, 2017, 49, 316-321.	3.4	11
14	A new threshold selection method for X-ray computed tomography for dimensional metrology. Precision Engineering, 2017, 50, 449-454.	3.4	19
15	Interferometric Set-Up for Measuring Thermal Deformations of Precision Construction Elements. Metrology and Measurement Systems, 2017, 24, 241-254.	1.4	0
16	The use of low density high accuracy (LDHA) data for correction of high density low accuracy (HDLA) point cloud. Optics and Lasers in Engineering, 2016, 81, 140-150.	3.8	9
17	Mechanical model of errors of probes for numerical controlled machine tools. Measurement: Journal of the International Measurement Confederation, 2016, 77, 317-326.	5.0	18
18	Wireless communication influence on CNC machine tool probe metrological parameters. International Journal of Advanced Manufacturing Technology, 2016, 82, 535-542.	3.0	6

#	Article	IF	Citations
19	Methods for verifying the dimensional and material properties on industrial CT scanners according to VDI / VDE 2630 Blatt 1.3.. Advances in Intelligent Systems and Computing, 2016, , 341-346.	0.6	2
20	Systematic errors of measurements on a measuring arm equipped with a laser scanner on the results of optical measurements. Advances in Intelligent Systems and Computing, 2016, , 355-360.	0.6	2
21	Master artifacts for testing the performance of probes for CNC machine tools. Advances in Intelligent Systems and Computing, 2016, , 323-328.	0.6	0
22	Proximity weighted correction of high density high uncertainty (HDHU) point cloud using low density low uncertainty (LDLU) reference point coordinates. Optics and Lasers in Engineering, 2015, 68, 160-165.	3.8	4
23	Discontinuity check of scanning in coordinate metrology. Measurement: Journal of the International Measurement Confederation, 2015, 59, 284-289.	5.0	5
24	CMM Dynamic Properties of the Scanning Measurement of a 2D Profile. International Journal of Automation Technology, 2015, 9, 530-533.	1.0	1
25	Simple master artefact for CMM dynamic error identification. Precision Engineering, 2014, 38, 64-70.	3.4	26
26	Machine tool probes testing using a moving inner hemispherical master artefact. Precision Engineering, 2014, 38, 421-427.	3.4	16
27	Mechatronics in monitoring, simulation, and diagnostics of industrial and biological processes. Proceedings of SPIE, 2013, , .	0.8	0
28	Three-dimensional modeling of coordinate measuring machines probing accuracy and settings using fuzzy knowledge bases: Application to TP6 and TP200 triggering probes. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2012, 26, 425-441.	1.1	7
29	A robust method for probe tip radius correction in coordinate metrology. Measurement Science and Technology, 2012, 23, 025001.	2.6	18
30	Reduced configuration set for the multi-step method applied to machine and probe error separation on a CMM. Measurement: Journal of the International Measurement Confederation, 2012, 45, 2321-2329.	5.0	10
31	Surface probing simulator for the evaluation of CMM probe radius correction software. International Journal of Advanced Manufacturing Technology, 2011, 55, 307-315.	3.0	9
32	New method of testing of the repeatability of CMM articulating heads. International Journal of Advanced Manufacturing Technology, 2011, 56, 677-682.	3.0	3
33	Novel CMM-based implementation of the multi-step method for the separation of machine and probe errors. Precision Engineering, 2011, 35, 318-328.	3.4	25
34	Study of the repeatability of the magnetic joint in the probes used in coordinate measuring machines. International Journal of Advanced Manufacturing Technology, 2010, 47, 1209-1216.	3.0	2
35	Stylus tip envelop method: corrected measured point determination in high definition coordinate metrology. International Journal of Advanced Manufacturing Technology, 2009, 42, 505-514.	3.0	28
36	New Method for Testing the Dynamic Performance of CMM Scanning Probes. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2767-2774.	4.7	18

#	Article	IF	Citations
37	CMM touch trigger probes testing using a reference axis. Precision Engineering, 2005, 29, 281-289.	3.4	31
38	Influence of measured objects parameters on CMM touch trigger probe accuracy of probing. Precision Engineering, 2005, 29, 290-297.	3.4	33
39	Factors Influencing Probing Accuracy of a Coordinate Measuring Machine. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 2540-2548.	4.7	20
40	Metrological feasibilities of CMM touch trigger probes. Part I: 3D theoretical model of probe pretravel. Measurement: Journal of the International Measurement Confederation, 2003, 34, 273-286.	5.0	64
41	Metrological feasibilities of CMM touch trigger probes. Measurement: Journal of the International Measurement Confederation, 2003, 34, 287-299.	5.0	45