Andreas Archenti

List of Publications by Year
in descending order

35 papers	389 citations	687363 13 h-index	839539 18 g-index
35 all docs	35 docs citations	35 times ranked	354 citing authors

#	Article	IF	Citations
1	Online compliance error compensation system for industrial manipulators in contact applications. Robotics and Computer-Integrated Manufacturing, 2022, 76, 102305.	9.9	17
2	Scalability of precision design principles for machines and instruments. CIRP Annals - Manufacturing Technology, 2021, 70, 659-680.	3.6	2
3	Quasi-Static Compliance Calibration of Serial Articulated Industrial Manipulators. International Journal of Automation Technology, 2021, 15, 590-598.	1.0	5
4	Evaluation of Kinematic and Compliance Calibration of Serial Articulated Industrial Manipulators. International Journal of Automation Technology, 2021, 15, 567-580.	1.0	13
5	Special Issue on New Technologies for Robotic Manipulators and Their Industrial Applications. International Journal of Automation Technology, 2021, 15, 565-566.	1.0	0
6	Measurement for the identification of static and quasi-static rotational stiffness. Precision Engineering, 2021, 72, 215-223.	3.4	2
7	A Comparison of the Probes with a Cantilever Beam and a Double-Sided Beam in the Tool Edge Profiler for On-Machine Measurement of a Precision Cutting Tool. Machines, 2021, 9, 271.	2.2	0
8	A sensor framework for combined data streams and in-situ characterization of machining processes. Procedia CIRP, 2020, 93, 868-872.	1.9	2
9	A Benchmark of Popular Indoor 3D Reconstruction Technologies: Comparison of ARCore and RTAB-Map. Electronics (Switzerland), 2020, 9, 2091.	3.1	5
10	High precision 3D evaluation method for Vickers hardness measurement. CIRP Annals - Manufacturing Technology, 2020, 69, 433-436.	3.6	3
11	On-machine angle measurement of a precision V-groove on a ceramic workpiece. CIRP Annals - Manufacturing Technology, 2020, 69, 469-472.	3.6	7
12	Novel methodology for the measurement and identification for quasi-static stiffness of five-axis machine tools. Precision Engineering, 2020, 65, 164-170.	3.4	20
13	Variations in the Surface Integrity of Ti-6Al-4V by Combinations of Additive and Subtractive Manufacturing Processes. Materials, 2020, 13, 1825.	2.9	15
14	Numerical Study of the Influence of Geometric Features of Dimple Texture on Hydrodynamic Pressure Generation. Metals, 2020, 10, 361.	2.3	9
15	Dynamic Interaction Between Precision Machine Tools and Their Foundations. International Journal of Automation Technology, 2020, 14, 386-398.	1.0	7
16	Special Issue on Machine Accuracy Evaluation. International Journal of Automation Technology, 2020, 14, 359-359.	1.0	1
17	Application of system dynamics for analysis of performance of manufacturing systems. Journal of Manufacturing Systems, 2019, 53, 212-233.	13.9	34
18	Rootâ€cause analysis of wearâ€induced error motion changes of machine tool linear axes. International Journal of Machine Tools and Manufacture, 2019, 143, 38-48.	13.4	15

#	Article	IF	Citations
19	Identification of machine tool squareness errors via inertial measurements. CIRP Annals - Manufacturing Technology, 2019, 68, 547-550.	3.6	6
20	Closed-force-loop elastostatic calibration of serial articulated robots. Robotics and Computer-Integrated Manufacturing, 2019, 57, 86-91.	9.9	19
21	An economic index for measuring firmâ€™s circularity: The case of water industry. Journal of Behavioral and Experimental Finance, 2019, 21, 123-129.	3.8	32
22	Utilization of Multi-Axis Positioning Repeatability Performance in Kinematic Modelling. International Journal of Automation Technology, 2019, 13, 149-156.	1.0	3
23	Manufacturing and Characterization of a Carbon-Based Amorphous (a-CNX) Coating Material. Nanomanufacturing and Metrology, 2018, 1, 156-170.	3.0	4
24	Measurement and analysis of machine tool errors under quasi-static and loaded conditions. Precision Engineering, 2018, 51, 59-67.	3.4	21
25	Virtual machining system simulator: analysis of machine tool accuracy. Procedia Manufacturing, 2018, 25, 338-343.	1.9	3
26	Integration of machining system capability information into a CAx software environment for complex tool trajectory prediction. Procedia CIRP, 2018, 72, 1239-1244.	1.9	2
27	A top-down equivalent stiffness approach for prediction of deviation sources in machine tool joints. CIRP Annals - Manufacturing Technology, 2017, 66, 487-490.	3.6	10
28	Evaluation of tool steel alloy performance in a milling operation through operational dynamic parameters. International Journal of Machine Tools and Manufacture, 2017, 114, 54-59.	13.4	2
29	Influence of work material microstructure on vibrations when machining cast Ti-6Al-4V. International Journal of Advanced Manufacturing Technology, 2016, 84, 2277-2291.	3.0	17
30	CONALI Ontology. A Framework for Design and Evaluation of Constructively Aligned Courses in Higher Education: Putting in Focus the Educational Goal Verbs. Procedia CIRP, 2016, 50, 765-772.	1.9	8
31	Diagnostics for geometric performance of machine tool linear axes. CIRP Annals - Manufacturing Technology, 2016, 65, 377-380.	3.6	26
32	Prediction of machined part accuracy from machining system capability. CIRP Annals - Manufacturing Technology, 2014, 63, 505-508.	3.6	16
33	Accuracy analysis of machine tools using Elastically Linked Systems. CIRP Annals - Manufacturing Technology, 2013, 62, 503-506.	3.6	36
34	A New Method for Circular Testing of Machine Tools Under Loaded Condition. Procedia CIRP, 2012, 1, 575-580.	1.9	25
35	Improvement of Gear Cutter Dynamics by Use of Acoustic Imaging and High Damping Interface. Procedia CIRP, 2012, 4, 17-21.	1.9	2