

Andreas Archenti

List of Publications by Year in descending order

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Version: 2024-02-01

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	Accuracy analysis of machine tools using Elastically Linked Systems. CIRP Annals - Manufacturing Technology, 2013, 62, 503-506.	3.6	36
2	Application of system dynamics for analysis of performance of manufacturing systems. Journal of Manufacturing Systems, 2019, 53, 212-233.	13.9	34
3	An economic index for measuring firm's circularity: The case of water industry. Journal of Behavioral and Experimental Finance, 2019, 21, 123-129.	3.8	32
4	Diagnostics for geometric performance of machine tool linear axes. CIRP Annals - Manufacturing Technology, 2016, 65, 377-380.	3.6	26
5	A New Method for Circular Testing of Machine Tools Under Loaded Condition. Procedia CIRP, 2012, 1, 575-580.	1.9	25
6	Measurement and analysis of machine tool errors under quasi-static and loaded conditions. Precision Engineering, 2018, 51, 59-67.	3.4	21
7	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
8	Closed-force-loop elastostatic calibration of serial articulated robots. Robotics and Computer-Integrated Manufacturing, 2019, 57, 86-91.	9.9	19
9	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
10	Online compliance error compensation system for industrial manipulators in contact applications. Robotics and Computer-Integrated Manufacturing, 2022, 76, 102305.	9.9	17
11	Prediction of machined part accuracy from machining system capability. CIRP Annals - Manufacturing Technology, 2014, 63, 505-508.	3.6	16
12	Root-cause analysis of wear-induced error motion changes of machine tool linear axes. International Journal of Machine Tools and Manufacture, 2019, 143, 38-48.	13.4	15
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	Evaluation of Kinematic and Compliance Calibration of Serial Articulated Industrial Manipulators. International Journal of Automation Technology, 2021, 15, 567-580.	1.0	13
15	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
16	Numerical Study of the Influence of Geometric Features of Dimple Texture on Hydrodynamic Pressure Generation. Metals, 2020, 10, 361.	2.3	9
17	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
18	On-machine angle measurement of a precision V-groove on a ceramic workpiece. CIRP Annals - Manufacturing Technology, 2020, 69, 469-472.	3.6	7

#	ARTICLE	IF	CITATIONS
19	Dynamic Interaction Between Precision Machine Tools and Their Foundations. International Journal of Automation Technology, 2020, 14, 386-398.	1.0	7
20	Identification of machine tool squareness errors via inertial measurements. CIRP Annals - Manufacturing Technology, 2019, 68, 547-550.	3.6	6
21	A Benchmark of Popular Indoor 3D Reconstruction Technologies: Comparison of ARCore and RTAB-Map. Electronics (Switzerland), 2020, 9, 2091.	3.1	5
22	Quasi-Static Compliance Calibration of Serial Articulated Industrial Manipulators. International Journal of Automation Technology, 2021, 15, 590-598.	1.0	5
23	Manufacturing and Characterization of a Carbon-Based Amorphous (a-CNX) Coating Material. Nanomanufacturing and Metrology, 2018, 1, 156-170.	3.0	4
24	Virtual machining system simulator: analysis of machine tool accuracy. Procedia Manufacturing, 2018, 25, 338-343.	1.9	3
25	High precision 3D evaluation method for Vickers hardness measurement. CIRP Annals - Manufacturing Technology, 2020, 69, 433-436.	3.6	3
26	Utilization of Multi-Axis Positioning Repeatability Performance in Kinematic Modelling. International Journal of Automation Technology, 2019, 13, 149-156.	1.0	3
27	Improvement of Gear Cutter Dynamics by Use of Acoustic Imaging and High Damping Interface. Procedia CIRP, 2012, 4, 17-21.	1.9	2
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	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
30	A sensor framework for combined data streams and in-situ characterization of machining processes. Procedia CIRP, 2020, 93, 868-872.	1.9	2
31	Scalability of precision design principles for machines and instruments. CIRP Annals - Manufacturing Technology, 2021, 70, 659-680.	3.6	2
32	Measurement for the identification of static and quasi-static rotational stiffness. Precision Engineering, 2021, 72, 215-223.	3.4	2
33	Special Issue on Machine Accuracy Evaluation. International Journal of Automation Technology, 2020, 14, 359-359.	1.0	1
34	Special Issue on New Technologies for Robotic Manipulators and Their Industrial Applications. International Journal of Automation Technology, 2021, 15, 565-566.	1.0	0
35	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