

Zoran Dimic

List of Publications by Year in descending order

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papers

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1307594

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all docs

21
docs citations

21
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	Programming methodology for multi-axis CNC woodworking machining center for advanced manufacturing based on STEP-NC. Wood Material Science and Engineering, 2023, 18, 630-639.	2.3	1
2	Configuring a Class of Machines Based on Reconfigurable 2DOF Planar Parallel Mechanism. Lecture Notes in Networks and Systems, 2022, , 179-197.	0.7	0
3	Equivalent geometric errors of rotary axes and novel algorithm for geometric errors compensation in a nonorthogonal five-axis machine tool. CIRP Journal of Manufacturing Science and Technology, 2022, 37, 477-488.	4.5	14
4	Modelling and analysis of machine tool with parallel serial kinematics based on O-X glide mechanism. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	0
5	Virtual horizontal machining center LOLA HBG 80 for program verification and monitoring. FME Transactions, 2021, 49, 696-703.	1.4	2
6	Configuring a new educational machine tool based on hybrid kinematic mechanism. Tehnika, 2021, 76, 603-612.	0.2	0
7	Simulation of compensated tool path through virtual robot machining model. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	10
8	Digital twin control of multi-axis wood CNC machining center based on LinuxCNC. BioResources, 2020, 16, 1115-1130.	1.0	9
9	Development of an educational 3-axis CNC machine tool for rapid prototyping with two translational and one rotary axis. Tehnika, 2020, 75, 725-732.	0.2	1
10	Configuring of 3-axis vertical CNC Machine for Rapid Prototyping with two Translatory and one Rotary Axes. Advanced Technologies & Materials, 2020, 45, 1-9.	0.1	0
11	Configuring and analysis of a class of generalized reconfigurable 2-axis parallel kinematic machine. Journal of Mechanical Science and Technology, 2019, 33, 3407-3421.	1.5	6
12	Configuring the programming and control systems for a mini 3-axis CNC machine tool on the Raspberry PI platform. Tehnika, 2019, 74, 823-831.	0.2	6
13	A Virtual 5-axis machine tool integrated with the programming and control system. Tehnika, 2019, 74, 397-404.	0.2	3
14	Configuring of a virtual reconfigurable 2-axis parallel kinematic machine integrated with the open architecture CNC system based on EMC2 software. Tehnika, 2018, 73, 519-526.	0.2	1
15	Reconfigurable multi-robot virtual environment. , 2015, , .		1
16	A control algorithm for improving the accuracy of five-axis machine tools. International Journal of Production Research, 2014, 52, 2983-2998.	7.5	13
17	3D simulator for human centrifuge motion testing and verification. , 2013, , .		4
18	Virtual robot in distributed control system. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
19	A control algorithm for a vertical five-axis turning centre. International Journal of Advanced Manufacturing Technology, 2012, 61, 569-584.	3.0	11
20	Reconfigurable robotic machining system controlled and programmed in a machine tool manner. International Journal of Advanced Manufacturing Technology, 2011, 53, 1217-1229.	3.0	29
21	Desktop 3-axis parallel kinematic milling machine. International Journal of Advanced Manufacturing Technology, 2010, 46, 51-60.	3.0	16