Georgi M Martinov

List of Publications by Year
in descending order

32 papers	801 citations	471509 17 h-index	642732 23 g-index
32 all docs	32 docs citations	32 times ranked	97 citing authors

#	Article	IF	Citations
1	The Control Platform for Decomposition and Synthesis of Specialized CNC Systems. Procedia CIRP, 2016, 41, 858-863.	1.9	89
2	Research and Development of a Cross-platform CNC Kernel for Multi-axis Machine Tool. Procedia CIRP, 2014, 14, 517-522.	1.9	82
3	An ARM-based Multi-channel CNC Solution for Multi-tasking Turning and Milling Machines. Procedia CIRP, 2016, 46, 525-528.	1.9	57
4	Scalable Open Cross-Platform Kernel of PCNC System for Multi-Axis Machine Tool. Procedia CIRP, 2012, 1, 238-243.	1.9	56
5	Organizing Interaction of Basic Components in the CNC System AxiOMA Control for Integrating New Technologies and Solutions. Automation and Remote Control, 2019, 80, 584-591.	0.8	39
6	Method of decomposition and synthesis of the custom CNC systems. Automation and Remote Control, 2017, 78, 525-536.	0.8	37
7	Numerical control of large precision machining centers by the AxiOMA contol system. Russian Engineering Research, 2015, 35, 534-538.	0.6	33
8	From classic CNC systems to cloud-based technology and back. Robotics and Computer-Integrated Manufacturing, 2020, 63, 101927.	9.9	32
9	An Approach to Creation of Terminal Clients in CNC System. , 2018, , .		31
10	An approach to building a multiprotocol CNC system. Automation and Remote Control, 2015, 76, 172-178.	0.8	30
11	Specialized numerical control system for five-axis planing and milling center. Russian Engineering Research, 2016, 36, 218-222.	0.6	27
12	Trends in the numerical control of machine-tool systems. Russian Engineering Research, 2010, 30, 1041-1045.	0.6	26
13	An Approach to Building Specialized CNC Systems for Non-traditional Processes. Procedia CIRP, 2014, 14, 511-516.	1.9	24
14	Modular design of specialized numerical control systems for inclined machining centers. Russian Engineering Research, 2015, 35, 389-393.	0.6	22
15	Multifunction Numerical Control Solution for Hybrid Mechanic and Laser Machine Tool. Procedia CIRP, 2012, 1, 260-264.	1.9	21
16	Diagnostics of cutting tools and prediction of their life in numerically controlled systems. Russian Engineering Research, 2013, 33, 433-437.	0.6	21
17	Approach to the Diagnosis and Configuration of Servo Drives in Heterogeneous Machine Control Systems. Lecture Notes in Computer Science, 2017, , 586-594.	1.3	20
18	Implementation of control for peripheral machine equipment based on the external soft PLC integrated with CNC. , 2017, , .		19

#	Article	IF	Citations
19	Automation of Machine-Building Production According to Industry 4.0. , 2018, , .		19
20	Approach to implementing hardware-independent automatic control systems of lathes and lathe-milling CNC machines. Russian Aeronautics, 2016, 59, 293-296.	0.2	18
21	An Approach to Building a Specialized CNC System for Laser Engraving Machining. Procedia CIRP, 2016, 41, 998-1003.	1.9	15
22	Real-Time Diagnosis and Forecasting Algorithms of the Tool Wear in the CNC Systems. Lecture Notes in Computer Science, 2015, , 115-126.	1.3	14
23	Approach in Implementing of Logical Task for Numerical Control on Basis of Concept â€œIndustry 4.0â€•, 2018, , .		13
24	Construction of a Specialized CNC System for Thread Grinding Machines. , 2018, , .		13
25	An approach of developing low cost ARM based CNC systems by controlling CAN drives. MATEC Web of Conferences, 2018, 224, 01020.	0.2	12
26	Control of the machine tools with variable kinematics. International Journal of Advanced Manufacturing Technology, 2021, 117, 2331-2339.	3.0	8
27	The approach of creating a particular postprocessor and using CNC measuring cycles. MATEC Web of Conferences, 2018, 224, 04023.	0.2	7
28	Implementation of Dynamic Changes in Machine Kinematics in the Electroautomatic Subsystem of the CNC System. , 2021, , .		6
29	Additive Process Equipment Control System for Integration into a Flexible Manufacturing System. , 2019, , .		4
30	Development of Toolkit for Formalizing the Programming of Canned Cycles on CNC Machine Tools. MATEC Web of Conferences, 2021, 346, 03098.	0.2	4
31	Information system of Russian north opening up by ground beetles. , 2015, , .		1
32	Development of an Extended CNC Operator Interface Using Web Technologies and Augmented Reality. , 2019, , .		1