Volodymyr Sokolov

List of Publications by Year
in descending order

44	493	567281 15	752698 20
papers	citations	h-index	g-index

58	58	58	122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of models and research into tooling for machining centers. Eastern-European Journal of Enterprise Technologies, 2018, 3, 12-22.	0.5	27
2	Installations Criterion of Deceleration Device in Volumetric Hydraulic Drive. Procedia Engineering, 2017, 206, 936-943.	1.2	25
3	Automatic Control System for Electrohydraulic Drive of Production Equipment. , 2018, , .		24
4	Research of modified gear drive for multioperational machine with increased load capacity. Diagnostyka, 2020, 21, 87-93.	0.8	24
5	Dynamics Research and Automatic Control of Technological Equipment with Electrohydraulic Drive. , 2019, , .		23
6	Parametric Modeling of Transverse Layout for Machine Tool Gearboxes. Lecture Notes in Mechanical Engineering, 2019, , 122-130.	0.4	23
7	Automation of control processes of technological equipment with rotary hydraulic drive. Eastern-European Journal of Enterprise Technologies, 2016, 2, 44.	0.5	23
8	Parametric Modeling of Gear Cutting Tools. Lecture Notes in Mechanical Engineering, 2019, , 3-11.	0.4	21
9	Modeling of Spindle Node Dynamics Using the Spectral Analysis Method. Lecture Notes in Mechanical Engineering, 2020, , 35-44.	0.4	21
10	Research of toothed belt transmission with arched teeth. Diagnostyka, 2020, 21, 15-22.	0.8	21
11	Nonlinear simulation of electrohydraulic drive for technological equipment. Journal of Physics: Conference Series, 2019, 1278, 012003.	0.4	20
12	Modeling of vertical spindle head for machining center. Journal of Physics: Conference Series, 2020, 1553, 012012.	0.4	20
13	Diffusion of Circular Source in the Channels of Ventilation Systems. Lecture Notes in Networks and Systems, 2019, , 278-283.	0.7	20
14	Design Calculation of Electrohydraulic Servo Drive for Technological Equipment. Lecture Notes in Mechanical Engineering, 2020, , 75-84.	0.4	20
15	3D modelling of angular spindleâ€™s head for machining centre. Journal of Physics: Conference Series, 2019, 1278, 012002.	0.4	19
16	Transfer Functions for Shearing Stress in Nonstationary Fluid Friction. Lecture Notes in Mechanical Engineering, 2020, , 707-715.	0.4	19
17	Modeling Carrier System Dynamics for Metal-Cutting Machines. , 2018, , .		18
18	Modelling of spindle nodes for machining centers. Journal of Physics: Conference Series, 2018, 1084, 012007.	0.4	17

#	Article	IF	Citations
19	Choice of Correcting Link for Electrohydraulic Servo Drive of Technological Equipment. Lecture Notes in Mechanical Engineering, 2020, , 702-710.	0.4	12
20	Increased Measurement Accuracy of Average Velocity for Turbulent Flows in Channels of Ventilation Systems. Lecture Notes in Mechanical Engineering, 2021, , 1182-1190.	0.4	6
21	Mathematical model for dynamic characteristics of automatic electrohydraulic drive for technological equipment. Journal of Physics: Conference Series, 2020, 1553, 012013.	0.4	5
22	Selection of worm gearing optimal structure for machine rotary table. Diagnostyka, 2021, 22, 3-10.	0.8	4
23	Analysis of physical and chemical transformations during thermal spraying of coatings based on carbides of tungsten and chromium. IOP Conference Series: Materials Science and Engineering, 2020, 985, 012036.	0.6	3
24	Criteria Analysis of Diffusion Processes in Channels of Industrial Ventilation Systems. Lecture Notes in Mechanical Engineering, 2022, , 725-731.	0.4	3
25	Research of the mechanism of particles bonding with substrate during thermal spraying of coating. IOP Conference Series: Materials Science and Engineering, 2020, 985, 012037.	0.6	2
26	The modified drive of a metal-cutting machine with the V-belt transmission of increased resource. IOP Conference Series: Materials Science and Engineering, 2021, 1031, 012001.	0.6	2
27	Modelling of machining center vibration stability by the D-partitions method. Journal of Physics: Conference Series, 2021, 1745, 012085.	0.4	2
28	RATIONAL CHOICE OF MACHINE TOOLS FOR DESIGNERS. , 2019, , .		2
29	Time Characteristics of Initial Stages for Aerosols Diffusion in Channels of Ventilation Systems. , 2020, , .		1
30	Research of the Influence of Conditions of D-gun Spraying on Properties of Tungsten and Chromium Carbides Coatings. Lecture Notes in Mechanical Engineering, 2021, , 300-310.	0.4	1
31	RATIONAL CHOICE OF TWO-SUPPORT SPINDLES FOR MACHINING CENTERS WITH LUBRICATION SYSTEM. EUREKA, Physics and Engineering, 2018, 3, 52-58.	0.8	1
32	RATIONAL CHOICE OF MACHINING TOOLS USING PREDICTION PROCEDURES. EUREKA, Physics and Engineering, 2018, 4, 14-20.	0.8	1
33	Modification of rack-and-pinion transmission design with increased resource. Diagnostyka, 2022, 23, 1-8.	0.8	1
34	Optimization of Processing Modes on Multioperational Machines Using Two-parameter D-Partitions. , 2020, , .		0
35	Research of the Spindle Units for Multioperational Lathes in the APM WinMachine Environment. Lecture Notes in Mechanical Engineering, 2021, , 41-51.	0.4	0
36	Ð”Ð¸Ñ„Ð·Ñ–Ñ•ÐºÑ€ÑƒÐ³Ð¾Ð²Ð¾Ð³Ð¾ Ð Ð¶ÐµÑ€ÐµÐ»Ð° Ð² ÐºÐ°Ð½Ð°Ð»Ð°Ñ… Ð²ÐµÐ½Ñ‚Ð¸Ð»ÑÑ†Ñ–Ð¹Ð½Ð¸Ñ…		

#	Article	IF	Citations
37	Experimental Research of the Tribological Properties of D-Gun Sprayed WC â€“ Co Coatings. Lecture Notes in Mechanical Engineering, 2022, , 34-45.	0.4	0
38	Examination of Adhesion Strength of D-Gun Sprayed Coatings Based on Tungsten and Chromium Carbides. Lecture Notes in Mechanical Engineering, 2022, , 429-440.	0.4	0
39	The Automatic Control System of Rotary Motion Hydraulic Drive of Technological Equipment. Russian Internet Journal of Industrial Engineering, 2018, 6, 56-62.	0.1	0
40	ĐšĐ¾Ñ€ĐµĐºÑ†Ñ–Ñ•Đ°Đ²Ñ‚Đ¾Đ¼Đ°Ñ‚Đ¸Ñ‡Đ½Đ¾Đ³Đ¾ ĐµĐ»ĐµĐºÑ‚Ñ€Đ¾Đ³Ñ–Đ´Ñ€Đ°Đ²Đ»Ñ–Ñ‡Đ½Đ¾Đ³Đ¾ Đ¿Ñ€Đ¸Đ²Đ¾Đ¤	0.0	0
41	Research of the Machining Center Electromechanical Drive with Technological Feedback. , 2021, , .		0
42	Optimal Choice of Worm Gearing Design with Increased Wear Resistance for Machineâ€™s Rotary Table. Lecture Notes in Mechanical Engineering, 2022, , 3-12.	0.4	0
43	Measurement of Impurity Concentration in Turbulent Flows of Ventilation Systems Channels. Journal of Physics: Conference Series, 2021, 2096, 012102.	0.4	0
44	METHODOLOGY OF THE DESIGN CALCULATION OF THE ELECTRO-HYDRAULIC SERVO DRIVE OF TECHNOLOGICAL EQUIPMENT. Technical Sciences and Technologies, 2022, , 16-26.	0.0	0