

Oleg Krol

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

480
citations

567281

15
h-index

752698

20
g-index

56
all docs

56
docs citations

56
times ranked

131
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 | Gear Clutch with Modified Tooth Profiles. Procedia Engineering, 2017, 206, 979-984. | 1.2 | 24 |
| 4 | Automatic Control System for Electrohydraulic Drive of Production Equipment. , 2018, , . | | 24 |
| 5 | Research of modified gear drive for multioperational machine with increased load capacity. Diagnostyka, 2020, 21, 87-93. | 0.8 | 24 |
| 6 | Dynamics Research and Automatic Control of Technological Equipment with Electrohydraulic Drive. , 2019, , . | | 23 |
| 7 | Parametric Modeling of Transverse Layout for Machine Tool Gearboxes. Lecture Notes in Mechanical Engineering, 2019, , 122-130. | 0.4 | 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 | Geometric Aspects of Modifications of Tapered Roller Bearings. Procedia Engineering, 2016, 150, 1107-1112. | 1.2 | 20 |
| 12 | Nonlinear simulation of electrohydraulic drive for technological equipment. Journal of Physics: Conference Series, 2019, 1278, 012003. | 0.4 | 20 |
| 13 | Modeling of vertical spindle head for machining center. Journal of Physics: Conference Series, 2020, 1553, 012012. | 0.4 | 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 spindle head for machining centre. Journal of Physics: Conference Series, 2019, 1278, 012002. | 0.4 | 19 |
| 16 | Modeling Carrier System Dynamics for Metal-Cutting Machines. , 2018, , . | | 18 |
| 17 | Modelling of spindle nodes for machining centers. Journal of Physics: Conference Series, 2018, 1084, 012007. | 0.4 | 17 |
| 18 | Choice of Correcting Link for Electrohydraulic Servo Drive of Technological Equipment. Lecture Notes in Mechanical Engineering, 2020, , 702-710. | 0.4 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Mathematical model for dynamic characteristics of automatic electrohydraulic drive for technological equipment. Journal of Physics: Conference Series, 2020, 1553, 012013. | 0.4 | 5 |
| 20 | Modification of Two-Stage Coaxial Gearbox. Lecture Notes in Mechanical Engineering, 2021, , 28-35. | 0.4 | 5 |
| 21 | Modeling of Worm Gear Design with Non-clearance Engagement. Lecture Notes in Mechanical Engineering, 2021, , 36-46. | 0.4 | 5 |
| 22 | Selection of worm gearing optimal structure for machine rotary table. Diagnostyka, 2021, 22, 3-10. | 0.8 | 4 |
| 23 | Modelling of machining center vibration stability by the D-partitions method. Journal of Physics: Conference Series, 2021, 1745, 012085. | 0.4 | 2 |
| 24 | Modeling of the Main Spindle of Multifunction Machine. Vestnik Tambovskogo Gosudarstvennogo Tehnicheskogo Universiteta, 2016, 22, 471-480. | 0.0 | 2 |
| 25 | RATIONAL CHOICE OF MACHINE TOOLS FOR DESIGNERS. , 2019, , . | | 2 |
| 26 | 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 |
| 27 | Solid modeling of machining centre SVM1F4 in KOMPAS 3D. Eastern-European Journal of Enterprise Technologies, 2014, 4, 13. | 0.5 | 1 |
| 28 | RATIONAL CHOICE OF TWO-SUPPORT SPINDLES FOR MACHINING CENTERS WITH LUBRICATION SYSTEM. EUREKA, Physics and Engineering, 2018, 3, 52-58. | 0.8 | 1 |
| 29 | RATIONAL CHOICE OF MACHINING TOOLS USING PREDICTION PROCEDURES. EUREKA, Physics and Engineering, 2018, 4, 14-20. | 0.8 | 1 |
| 30 | Modification of rack-and-pinion transmission design with increased resource. Diagnostyka, 2022, 23, 1-8. | 0.8 | 1 |
| 31 | Optimization of Processing Modes on Multioperational Machines Using Two-parameter D-Partitions. , 2020, , . | | 0 |
| 32 | Research of the Spindle Units for Multioperational Lathes in the APM WinMachine Environment. Lecture Notes in Mechanical Engineering, 2021, , 41-51. | 0.4 | 0 |
| 33 | Experimental Research of the Tribological Properties of D-Gun Sprayed WC â€œ Co Coatings. Lecture Notes in Mechanical Engineering, 2022, , 34-45. | 0.4 | 0 |
| 34 | 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 |
| 35 | ENGINEERING FORECASTING OF MACHINE TOOLS FOR DESIGNERS. , 2019, , . | | 0 |
| 36 | Parametric Modeling of Machine Tools. , 0, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Redesign of V Belts. Russian Engineering Research, 2021, 41, 916-918. | 0.6 | 0 |
| 38 | Research of the Machining Center Electromechanical Drive with Technological Feedback. , 2021, , . | | 0 |
| 39 | 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 |