

Sergey Misyurin

List of Publications by Year in descending order

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17
papers

95
citations

1478505

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h-index

1372567

10
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22
all docs

22
docs citations

22
times ranked

12
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Choice of the law for a position control system. Journal of Machinery Manufacture and Reliability, 2012, 41, 331-336. | 0.5 | 13 |
| 2 | Dynamics and synthesis of the parameters of a positioning drive. Journal of Machinery Manufacture and Reliability, 2009, 38, 523-530. | 0.5 | 12 |
| 3 | Parameterization of an air motor based on multiobjective optimization and decision support. Journal of Machinery Manufacture and Reliability, 2013, 42, 353-358. | 0.5 | 11 |
| 4 | Power optimization criteria of a mechanical unit of an automated actuator. Doklady Physics, 2015, 60, 15-18. | 0.7 | 10 |
| 5 | Calculated and experimental characteristics of a scroll machine operating in the air motor mode. Doklady Physics, 2017, 62, 42-45. | 0.7 | 10 |
| 6 | Phased synthesis of a mechatronic system. Doklady Physics, 2014, 59, 539-543. | 0.7 | 7 |
| 7 | Applying partial domination in organizing the control of the heterogeneous robot group. Journal of Physics: Conference Series, 2019, 1203, 012068. | 0.4 | 6 |
| 8 | Dynamics and design of a power unit with a hydraulic piston actuator. Doklady Physics, 2016, 61, 354-359. | 0.7 | 5 |
| 9 | On choosing the drive type for the power unit of a mechatronics system. Journal of Machinery Manufacture and Reliability, 2015, 44, 305-311. | 0.5 | 4 |
| 10 | The synchronous movement of mechanisms taking into account forces of the different nature. Journal of Physics: Conference Series, 2020, 1439, 012016. | 0.4 | 4 |
| 11 | Visualization of the interconnection between dynamics of the system and its basic characteristics. Scientific Visualization, 2020, 12, . | 0.4 | 3 |
| 12 | Multicriteria Optimization of a Dynamic System by Methods of the Theories of Similarity and Criteria Importance. Mathematics, 2021, 9, 2854. | 2.2 | 3 |
| 13 | Coordinated interaction of two hydraulic cylinders when moving large-sized objects. Journal of Physics: Conference Series, 2017, 937, 012023. | 0.4 | 2 |
| 14 | Kinematics and Dynamics of the Spider-Robot Mechanism, Motion Optimization. Advances in Intelligent Systems and Computing, 2021, , 320-326. | 0.6 | 2 |
| 15 | Parametric and Structural Optimization of Pneumatic Positioning Actuator. Mechanisms and Machine Science, 2020, , 395-403. | 0.5 | 1 |
| 16 | Visual analytics in the case of multicriteria optimization. Scientific Visualization, 2018, 10, 29-47. | 0.4 | 1 |
| 17 | Selection of a Friction Model to Take into Account the Impact on the Dynamics and Positioning Accuracy of Drive Systems. Advances in Intelligent Systems and Computing, 2021, , 309-319. | 0.6 | 1 |