Gagik Rashoyan

List of Publications by Year
in descending order

17 papers	**132** citations	1307594 **7** h-index	1281871 **11** g-index
21 all docs	**21** docs citations	**21** times ranked	**34** citing authors

#	Article	IF	Citations
1	Determination of the Geometric Parameters of a Parallel-Serial Rehabilitation Robot Based on Clinical Data. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2021, , 556-566.	0.6	2
2	Analysis of the Structure and Workspace of the Isoglide-Type Robot for Rehabilitation Tasks. Advances in Intelligent Systems and Computing, 2020, , 186-194.	0.6	1
3	Dynamics of a New Parallel Structure Mechanism with Motors Mounted on the Base Outside the Working Area. Smart Innovation, Systems and Technologies, 2020, , 183-195.	0.6	5
4	Velocity analysis of a spherical parallel robot. Journal of Physics: Conference Series, 2019, 1260, 112012.	0.4	4
5	Analysis and synthesis of parallel structure mechanism without singularities. Journal of Physics: Conference Series, 2019, 1260, 112023.	0.4	4
6	The Direct Position Problem for l-Coordinate Mechanisms of Various Types. Journal of Machinery Manufacture and Reliability, 2019, 48, 392-400.	0.5	1
7	5DOF Mechanism for Vertebral Surgery Kinematic Analysis and Velocity Calculation. Mechanisms and Machine Science, 2019, , 1741-1749.	0.5	2
8	Development of structural schemes of parallel structure manipulators using screw calculus. IOP Conference Series: Materials Science and Engineering, 2018, 327, 042090.	0.6	5
9	Problems of Kinematic Analysis and Special Positions of Mechanisms of Robots with Parallel Structure. Journal of Machinery Manufacture and Reliability, 2018, 47, 310-316.	0.5	6
10	Kinematic Analysis of a Parallel Structure Mechanism for Work in Extreme Environments. Journal of Machinery Manufacture and Reliability, 2018, 47, 121-127.	0.5	8
11	Construction of a working area for the manipulation mechanism of simultaneous relative manipulation. Journal of Machinery Manufacture and Reliability, 2017, 46, 225-231.	0.5	10
12	On the features of applying the theory of screws to the evaluation of proximity to specific positions of the mechanisms of parallel structure. Journal of Machinery Manufacture and Reliability, 2017, 46, 349-355.	0.5	9
13	Infinitesimal displacement analysis of a parallel manipulator with circular guide via the differentiation of constraint equations. Journal of Machinery Manufacture and Reliability, 2016, 45, 398-402.	0.5	12
14	Analysis of kinematic screws that determine the topology of singular zones of parallel-structure robots. Journal of Machinery Manufacture and Reliability, 2016, 45, 291-296.	0.5	29
15	Kinematic analysis of a spatial parallel structure mechanism with a circular guide. Journal of Machinery Manufacture and Reliability, 2015, 44, 626-632.	0.5	18
16	Speed and force criteria for the proximity to singularities of parallel structure manipulators. Journal of Machinery Manufacture and Reliability, 2012, 41, 194-199.	0.5	8
17	Criteria of dynamic and kinematic synthesis of parallel mechanisms. Journal of Machinery Manufacture and Reliability, 2009, 38, 1-8.	0.5	0