

Gagik Rashoyan

List of Publications by Year in descending order

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17
papers

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1307543

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1281846

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g-index

21
all docs

21
docs citations

21
times ranked

34
citing authors

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