

Victor A Glazunov

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

315
citations

1040056

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32
all docs

32
docs citations

32
times ranked

121
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of decoupled parallel manipulators by means of the theory of screws. Mechanism and Machine Theory, 2010, 45, 239-250.	4.5	53
2	Increase of singularity-free zones in the workspace of parallel manipulators using mechanisms of variable structure. Mechanism and Machine Theory, 2008, 43, 1129-1140.	4.5	52
3	On the Maximization of Joint Velocities and Generalized Reactions in the Workspace and Singularity Analysis of Parallel Mechanisms. Robotica, 2019, 37, 675-690.	1.9	23
4	Twists of movements of parallel mechanisms inside their singularities. Mechanism and Machine Theory, 2006, 41, 1185-1195.	4.5	19
5	Investigation on the Effort Transmission in Planar Parallel Manipulators. Journal of Mechanisms and Robotics, 2013, 5, 011011.	2.2	19
6	Dynamics and Control of Planar, Translational, and Spherical Parallel Manipulators. , 2016, , 365-402.		14
7	Dimensional (Parametric) Synthesis of the Hexapod-Type Parallel Mechanism with Reconfigurable Design. Machines, 2021, 9, 117.	2.2	14
8	Inverse and Forward Kinematic Analysis of a 6-DOF Parallel Manipulator Utilizing a Circular Guide. Robotics, 2021, 10, 31.	3.5	13
9	Development of a Novel Rotary Hexapod with Single Drive. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2019, , 141-146.	0.6	11
10	Design and Analysis of the 6-DOF Decoupled Parallel Kinematics Mechanism. Mechanisms and Machine Science, 2018, , 125-170.	0.5	9
11	Forward Kinematic Analysis of a Rotary Hexapod. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2021, , 486-494.	0.6	9
12	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
13	Constraints analysis, determination twists inside singularity and parametrical optimization of parallel mechanisms by means the theory of screws. , 2009, , .		7
14	IRSBot-2: A Novel Two-DOF Parallel Robot for High-Speed Operations. , 2011, , .		6
15	A New 3-DOF Translational Parallel Manipulator: Kinematics, Dynamics, Workspace Analysis. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , 11-18.	0.6	6
16	Novel Reconfigurable Spherical Parallel Mechanisms with a Circular Rail. Robotics, 2022, 11, 30.	3.5	6
17	Parametrical optimization of parallel mechanisms while taking into account singularities. , 2008, , .		5
18	Multi-criteria optimization of the parallel mechanism with actuators located outside working space. , 2010, , .		5

#	ARTICLE	IF	CITATIONS
19	Singularity Analysis of 3-DOF Translational Parallel Manipulator. Mechanisms and Machine Science, 2014, , 47-54.	0.5	5
20	Development of manipulators with a parallel-cross structure. Journal of Machinery Manufacture and Reliability, 2008, 37, 176-185.	0.5	4
21	Determination of constraint wrenches and design of parallel mechanisms. , 2010, , .		3
22	Virtual and Physical Prototyping of Reconfigurable Parallel Mechanisms with Single Actuation. Applied Sciences (Switzerland), 2021, 11, 7158.	2.5	3
23	Inverse and Forward Kinematics of a Reconfigurable Spherical Parallel Mechanism with a Circular Rail. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2022, , 246-254.	0.6	3
24	Design and Analysis of a Mechanism for Spherical Surface Processing. Mechanisms and Machine Science, 2020, , 39-50.	0.5	2
25	Singularity Analysis of a Wall-Mounted Parallel Robot with SCARA Motions Lower Limb Exoskeleton with Hybrid Pneumatically Assisted Electric Drive for Neurorehabilitation. Mechanisms and Machine Science, 2017, , 441-449.	0.5	1
26	Neighboring Special Configurations of Parallel Manipulators. , 2002, , 59-66.		1
27	Screws on the relative parallel mechanisms. , 2014, , .		0
28	Formation and Development of MMS in Russia with Participation of Russia in IFToMM Activity. Mechanisms and Machine Science, 2011, , 395-414.	0.5	0
29	A Reconfiguration Algorithm for the Single-Driven Hexapod-Type Parallel Mechanism. Robotics, 2022, 11, 8.	3.5	0