

# Victor A Glazunov

## List of Publications by Year in descending order

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29  
papers

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citations

1040056

9  
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940533

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32  
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32  
docs citations

32  
times ranked

121  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Reconfiguration Algorithm for the Single-Driven Hexapod-Type Parallel Mechanism. <i>Robotics</i> , 2022, 11, 8.	3.5	0
2	Novel Reconfigurable Spherical Parallel Mechanisms with a Circular Rail. <i>Robotics</i> , 2022, 11, 30.	3.5	6
3	Inverse and Forward Kinematics of a Reconfigurable Spherical Parallel Mechanism with a Circular Rail. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2022, , 246-254.	0.6	3
4	Inverse and Forward Kinematic Analysis of a 6-DOF Parallel Manipulator Utilizing a Circular Guide. <i>Robotics</i> , 2021, 10, 31.	3.5	13
5	Dimensional (Parametric) Synthesis of the Hexapod-Type Parallel Mechanism with Reconfigurable Design. <i>Machines</i> , 2021, 9, 117.	2.2	14
6	Virtual and Physical Prototyping of Reconfigurable Parallel Mechanisms with Single Actuation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7158.	2.5	3
7	Forward Kinematic Analysis of a Rotary Hexapod. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2021, , 486-494.	0.6	9
8	Design and Analysis of a Mechanism for Spherical Surface Processing. <i>Mechanisms and Machine Science</i> , 2020, , 39-50.	0.5	2
9	On the Maximization of Joint Velocities and Generalized Reactions in the Workspace and Singularity Analysis of Parallel Mechanisms. <i>Robotica</i> , 2019, 37, 675-690.	1.9	23
10	Development of a Novel Rotary Hexapod with Single Drive. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2019, , 141-146.	0.6	11
11	Design and Analysis of the 6-DOF Decoupled Parallel Kinematics Mechanism. <i>Mechanisms and Machine Science</i> , 2018, , 125-170.	0.5	9
12	Singularity Analysis of a Wall-Mounted Parallel Robot with SCARA Motions Lower Limb Exoskeleton with Hybrid Pneumatically Assisted Electric Drive for Neurorehabilitation. <i>Mechanisms and Machine Science</i> , 2017, , 441-449.	0.5	1
13	Dynamics and Control of Planar, Translational, and Spherical Parallel Manipulators. , 2016, , 365-402.		14
14	Screws on the relative parallel mechanisms. , 2014, , .		0
15	Singularity Analysis of 3-DOF Translational Parallel Manipulator. <i>Mechanisms and Machine Science</i> , 2014, , 47-54.	0.5	5
16	Investigation on the Effort Transmission in Planar Parallel Manipulators. <i>Journal of Mechanisms and Robotics</i> , 2013, 5, 011011.	2.2	19
17	A New 3-DOF Translational Parallel Manipulator: Kinematics, Dynamics, Workspace Analysis. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2013, , 11-18.	0.6	6
18	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

#	ARTICLE	IF	CITATIONS
19	IRSBot-2: A Novel Two-DOF Parallel Robot for High-Speed Operations. , 2011, , .		6
20	Formation and Development of MMS in Russia with Participation of Russia in IFToMM Activity. Mechanisms and Machine Science, 2011, , 395-414.	0.5	0
21	Design of decoupled parallel manipulators by means of the theory of screws. Mechanism and Machine Theory, 2010, 45, 239-250.	4.5	53
22	Determination of constraint wrenches and design of parallel mechanisms. , 2010, , .		3
23	Multi-criteria optimization of the parallel mechanism with actuators located outside working space. , 2010, , .		5
24	Constraints analysis, determination twists inside singularity and parametrical optimization of parallel mechanisms by means the theory of screws. , 2009, , .		7
25	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
26	Development of manipulators with a parallel-cross structure. Journal of Machinery Manufacture and Reliability, 2008, 37, 176-185.	0.5	4
27	Parametrical optimization of parallel mechanisms while taking into account singularities. , 2008, , .		5
28	Twists of movements of parallel mechanisms inside their singularities. Mechanism and Machine Theory, 2006, 41, 1185-1195.	4.5	19
29	Neighboring Special Configurations of Parallel Manipulators. , 2002, , 59-66.		1