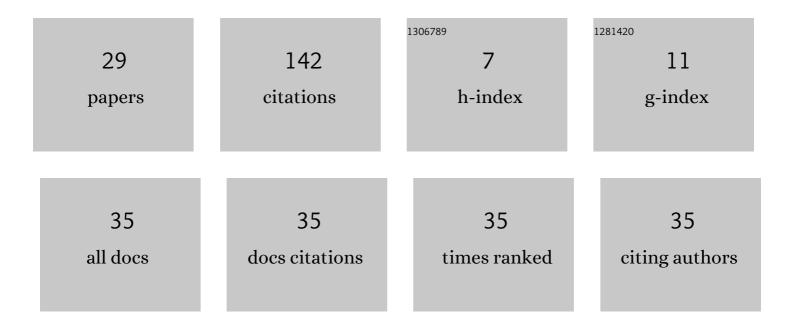
Anton Antonov

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Position, velocity, and acceleration analyses of a reconfigurable parallel mechanism (hexapod) equipped with a single motor. European Journal of Mechanics, A/Solids, 2022, 93, 104392.	2.1	1
2	A Reconfiguration Algorithm for the Single-Driven Hexapod-Type Parallel Mechanism. Robotics, 2022, 11, 8.	2.1	0
3	Novel Reconfigurable Spherical Parallel Mechanisms with a Circular Rail. Robotics, 2022, 11, 30.	2.1	6
4	Mobility Analysis of Foldable Mechanisms Using Screw Theory. Russian Engineering Research, 2022, 42, 250-254.	0.2	3
5	Velocity and Singularity Analysis of a 5-DOF (3T2R) Parallel-Serial (Hybrid) Manipulator. Machines, 2022, 10, 276.	1.2	9
6	Parallel Robots with a Circular Guide: Systematic Review of Kinematic Schemes and Methods of Synthesis and Analysis. Journal of Machinery Manufacture and Reliability, 2022, 51, 20-29.	0.1	4
7	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.	0.3	3
8	Inverse and Forward Kinematic Analysis of a 6-DOF Parallel Manipulator Utilizing a Circular Guide. Robotics, 2021, 10, 31.	2.1	13
9	Inverse and forward kinematics and workspace analysis of a novel 5-DOF (3T2R) parallel–serial (hybrid) manipulator. International Journal of Advanced Robotic Systems, 2021, 18, 172988142199296.	1.3	20
10	Solution of the Inverse Kinematic Problem for a Hexapod with a Circular Guide. Journal of Machinery Manufacture and Reliability, 2021, 50, 191-199.	0.1	0
11	Dimensional (Parametric) Synthesis of the Hexapod-Type Parallel Mechanism with Reconfigurable Design. Machines, 2021, 9, 117.	1.2	14
12	Position, velocity, and workspace analysis of a novel 6-DOF parallel manipulator with "piercing―rods. Mechanism and Machine Theory, 2021, 161, 104300.	2.7	15
13	Virtual and Physical Prototyping of Reconfigurable Parallel Mechanisms with Single Actuation. Applied Sciences (Switzerland), 2021, 11, 7158.	1.3	3
14	Forward Kinematic Analysis of a Rotary Hexapod. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2021, , 486-494.	0.3	9
15	MOBILITY ANALYSIS OF PARALLEL MECHANISMS USING SCREW THEORY. Problemy MaÅinostroeniâ I Avtomatizacii, 2021, , 117-127.	0.0	0
16	Use of the chord method for analyzing workspaces of a parallel structure mechanism. IOP Conference Series: Materials Science and Engineering, 2020, 747, 012079.	0.3	2
17	Analysis of the Structure and Workspace of the Isoglide-Type Robot for Rehabilitation Tasks. Advances in Intelligent Systems and Computing, 2020, , 186-194.	0.5	1
18	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.	0.5	5

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#	Article	IF	CITATIONS
19	Velocity analysis of a spherical parallel robot. Journal of Physics: Conference Series, 2019, 1260, 112012.	0.3	4
20	Analysis and synthesis of parallel structure mechanism without singularities. Journal of Physics: Conference Series, 2019, 1260, 112023.	0.3	4
21	The Direct Position Problem for I-Coordinate Mechanisms of Various Types. Journal of Machinery Manufacture and Reliability, 2019, 48, 392-400.	0.1	1
22	Problems of Kinematic Analysis and Special Positions of Mechanisms of Robots with Parallel Structure. Journal of Machinery Manufacture and Reliability, 2018, 47, 310-316.	0.1	6
23	Kinematic Analysis of a Parallel Structure Mechanism for Work in Extreme Environments. Journal of Machinery Manufacture and Reliability, 2018, 47, 121-127.	0.1	8
24	Tasks of kinematic analysis and special positions of the mechanisms of robots of parallel structure. Problemy Mashinostraeniya I Nadezhnos'ti Mashin, 2018, , 11-18.	0.0	1
25	PARALLEL STRUCTURE MECHANISM FOR WORKING IN AGGRESSIVE ENVIRONMENTS. Spravochnik Inzhenernyi Zhurnal, 2018, , 8-13.	0.7	Ο
26	Solving Kinematic and Dynamic Problems for a Three-Point Wheel-Legged Robot. Proceedings of Higher Educational Institutions ĐœĐ°chine Building, 2017, , .	0.1	0
27	Mathematical Model of 3-P Wheel-Legged Mobile Robotic Platform. International Review of Mechanical Engineering, 2017, 11, 311.	0.1	7
28	The control system of a three-point wheel-legged robot. CASPIAN JOURNAL Control and High Technologies, 2016, 34, 058-069.	0.1	1
29	Workspace and performance analysis of a 6-DOF hexapod-type manipulator with a circular guide. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622210959.	1.1	0