

Soheil Zarkandi

List of Publications by Year in descending order

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19
papers

127
citations

1478505

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19
docs citations

19
times ranked

70
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#	ARTICLE	IF	CITATIONS
1	Kinematics and Singularity Analysis of a Parallel Manipulator with Three Rotational and One Translational DOFs. <i>Mechanics Based Design of Structures and Machines</i> , 2011, 39, 392-407.	4.7	23
2	Kinematic analysis and workspace optimization of a novel 4R<u>P</u>SP parallel manipulator. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 131-153.	4.7	14
3	Dynamic modeling and power optimization of a 4R<u>P</u>SP+PS parallel flight simulator machine. <i>Robotica</i> , 2022, 40, 646-671.	1.9	13
4	A new geometric method for singularity analysis of spherical mechanisms. <i>Robotica</i> , 2011, 29, 1083-1092.	1.9	11
5	A novel optimization-based method to find multiple solutions for path synthesis of planar four-bar and slider-crank mechanisms. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 5385-5405.	2.1	9
6	Kinematics of a star-triangle planar parallel manipulator. <i>Journal of Mechanical Science and Technology</i> , 2011, 25, 3223-3230.	1.5	8
7	DIRECT KINEMATIC ANALYSIS OF A FAMILY OF 4-DOF PARALLEL MANIPULATORS WITH A PASSIVE CONSTRAINING LEG. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2011, 35, 437-459.	0.8	8
8	Kinematic and dynamic modeling of a planar parallel manipulator served as CNC tool holder. <i>International Journal of Dynamics and Control</i> , 2018, 6, 14-28.	2.5	8
9	Kinematic analysis and optimal design of a novel 3-P<u>R</u>R spherical parallel manipulator. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 693-712.	2.1	7
10	PRRRRRP redundant planar parallel manipulator: Kinematics, workspace and singularity analysis. , 2011, , .		6
11	Kinematics, workspace and optimal design of a novel 4RSS parallel manipulator. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	6
12	Inverse and forward dynamics of a 4<u>R</u>SS+PS parallel manipulator with one infinite rotational motion. <i>Australian Journal of Mechanical Engineering</i> , 2022, 20, 406-424.	2.1	3
13	Task-based torque minimization of a 3-P ¹ R spherical parallel manipulator. <i>Robotica</i> , 2022, 40, 475-504.	1.9	3
14	On singularities of multi-degree-of-freedom spherical mechanisms. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 839-846.	1.5	2
15	An Analytical Approach to Locate the Secondary Instantaneous Poles of Single-DOF Indeterminate Spherical Mechanisms#. <i>Mechanics Based Design of Structures and Machines</i> , 2013, 41, 274-292.	4.7	2
16	On the location of the secondary instantaneous poles in two-degree-of-freedom spherical mechanisms. <i>Frontiers of Mechanical Engineering</i> , 2014, 9, 34-40.	4.3	2
17	Isotropy analysis of spherical mechanisms using an instantaneous-pole based method. <i>Engineering Science and Technology, an International Journal</i> , 2017, 20, 240-246.	3.2	2
18	A survey of instantaneous poles for a class of two-degree-of-freedom spherical mechanisms. <i>Frontiers of Mechanical Engineering</i> , 2014, 9, 344-353.	4.3	0

#	ARTICLE	IF	CITATIONS
19	Acceleration Analysis of 3-DOF Planar Parallel Manipulators by Means of Screw Theory. Journal of the Institution of Engineers, Bangladesh, 2016, 45, 89-95.	0.5	0