

Xiaoyong Wu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

100
citations

1684188

5
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1372567

10
g-index

15
all docs

15
docs citations

15
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyses of the cell mechanical damage during microinjection. <i>Soft Matter</i> , 2015, 11, 1434-1442.	2.7	24
2	A parametric model of 3-PPR planar parallel manipulators for optimum shape design of platforms. <i>Mechanism and Machine Theory</i> , 2017, 118, 139-153.	4.5	18
3	Kinematic design and analysis of a 6-DOF spatial five-Bar linkage. <i>Mechanism and Machine Theory</i> , 2021, 158, 104227.	4.5	15
4	Analytical determination of shape singularities for three types of parallel manipulators. <i>Mechanism and Machine Theory</i> , 2020, 149, 103812.	4.5	8
5	Architectural singularities of parallel mechanisms with prismatic joints due to special designs of platform shapes. <i>Mechanical Sciences</i> , 2019, 10, 449-464.	1.0	8
6	Performance Analysis and Optimum Design of a Redundant Planar Parallel Manipulator. <i>Symmetry</i> , 2019, 11, 908.	2.2	7
7	Forward Kinematics Analysis of a Novel 3-DOF Parallel Manipulator. <i>Scientia Iranica</i> , 2018, .	0.4	5
8	Performance Analysis and Comparison of Three Planar Parallel Manipulators. <i>Mechanisms and Machine Science</i> , 2020, , 270-279.	0.5	4
9	Stiffness analysis of a planar parallel manipulator with variable platforms. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 1723-1740.	4.7	3
10	Optimum transmission performance of 3-RRR planar parallel manipulators and sensitivity analysis. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2021, 15, JAMDSM0064-JAMDSM0064.	0.7	3
11	Optimal Design and Singularity Analysis of a Spatial Parallel Manipulator. <i>Symmetry</i> , 2019, 11, 551.	2.2	2
12	Kinematics of a 6-DOF parallel manipulator with two limbs actuated by spherical motion generators. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 2828-2846.	2.1	2
13	Spatial Stiffness Analysis of the Planar Parallel Part for a Hybrid Model Support Mechanism. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6342.	2.5	1
14	Stiffness Analysis of a 3-DOF Parallel Manipulator with Variable Geometry Platforms. , 2020, , .		0
15	A Novel 2-SUR 6-DOF Parallel Manipulator Actuated by Spherical Motion Generators. , 2021, , .		0