

# Xianwen Kong

## List of Publications by Year in descending order

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papers

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175  
times ranked

901  
citing authors

#	ARTICLE	IF	CITATIONS
1	Type Synthesis of 3T1R 4-DOF Parallel Manipulators Based on Screw Theory. IEEE Transactions on Automation Science and Engineering, 2004, 20, 181-190.	2.3	212
2	Type Synthesis of 3-DOF Translational Parallel Manipulators Based on Screw Theory. Journal of Mechanical Design, Transactions of the ASME, 2004, 126, 83-92.	2.9	207
3	Type Synthesis of 3-DOF Spherical Parallel Manipulators Based on Screw Theory1. Journal of Mechanical Design, Transactions of the ASME, 2004, 126, 101-108.	2.9	190
4	Kinematics and Singularity Analysis of a Novel Type of 3-CRR 3-DOF Translational Parallel Manipulator. International Journal of Robotics Research, 2002, 21, 791-798.	8.5	178
5	Type Synthesis of Parallel Mechanisms With Multiple Operation Modes. Journal of Mechanical Design, Transactions of the ASME, 2007, 129, 595-601.	2.9	145
6	Reconfiguration analysis of a 3-DOF parallel mechanism using Euler parameter quaternions and algebraic geometry method. Mechanism and Machine Theory, 2014, 74, 188-201.	4.5	93
7	Type synthesis of 4-DOF SP-equivalent parallel manipulators: A virtual chain approach. Mechanism and Machine Theory, 2006, 41, 1306-1319.	4.5	89
8	Type Synthesis of 3-DOF Parallel Manipulators With Both a Planar Operation Mode and a Spatial Translational Operation Mode1. Journal of Mechanisms and Robotics, 2013, 5, .	2.2	82
9	A Novel Large-Range XY Compliant Parallel Manipulator With Enhanced Out-of-Plane Stiffness. Journal of Mechanical Design, Transactions of the ASME, 2012, 134, .	2.9	81
10	Type synthesis of 5-DOF parallel manipulators based on screw theory. Journal of Field Robotics, 2005, 22, 535-547.	0.7	69
11	Type synthesis and reconfiguration analysis of a class of variable-DOF single-loop mechanisms. Mechanism and Machine Theory, 2015, 85, 116-128.	4.5	69
12	Type Synthesis of 3-DOF PPR-Equivalent Parallel Manipulators Based on Screw Theory and the Concept of Virtual Chain. Journal of Mechanical Design, Transactions of the ASME, 2005, 127, 1113-1121.	2.9	60
13	Kinematic Analysis and Prototyping of a Partially Decoupled 4-DOF 3T1R Parallel Manipulator. Journal of Mechanical Design, Transactions of the ASME, 2007, 129, 611-616.	2.9	59
14	A normalization-based approach to the mobility analysis of spatial compliant multi-beam modules. Mechanism and Machine Theory, 2013, 59, 1-19.	4.5	58
15	A nonlinear analysis of spatial compliant parallel modules: Multi-beam modules. Mechanism and Machine Theory, 2011, 46, 680-706.	4.5	57
16	Forward displacement analysis of third-class analytic 3-RPR planar parallel manipulators. Mechanism and Machine Theory, 2001, 36, 1009-1018.	4.5	55
17	Type Synthesis of Linear Translational Parallel Manipulators. , 2002, , 453-462.		54
18	Type Synthesis of 3-DOF multi-mode translational/spherical parallel mechanisms with lockable joints. Mechanism and Machine Theory, 2016, 96, 323-333.	4.5	51

#	ARTICLE	IF	CITATIONS
19	Deployable mechanisms constructed by connecting orthogonal Bricard linkages, 8R or 10R single-loop linkages using S joints. Mechanism and Machine Theory, 2018, 120, 178-191.	4.5	49
20	Parallel Mechanisms of the Multipterion Family: Kinematic Architectures and Benchmarking. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	46
21	A class of reconfigurable deployable platonic mechanisms. Mechanism and Machine Theory, 2016, 105, 409-427.	4.5	44
22	Mobility and Singularity Analysis of a Class of Two Degrees of Freedom Rotational Parallel Mechanisms Using a Visual Graphic Approach. Journal of Mechanisms and Robotics, 2012, 4, .	2.2	42
23	A reconfigurable multi-mode mobile parallel robot. Mechanism and Machine Theory, 2017, 111, 39-65.	4.5	39
24	Standing on the shoulders of giants: A brief note from the perspective of kinematics. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 1-2.	3.7	38
25	Deployable polyhedron mechanisms constructed by connecting spatial single-loop linkages of different types and/or in different sizes using S joints. Mechanism and Machine Theory, 2018, 124, 211-225.	4.5	36
26	Constraint and Mobility Change Analysis of Rubik's Cube-inspired Reconfigurable Joints and Corresponding Parallel Mechanisms. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	35
27	Mobility and kinematic analysis of a parallel mechanism with both PPR and planar operation modes. Mechanism and Machine Theory, 2012, 55, 77-90.	4.5	34
28	Kinematic analysis of a single-loop reconfigurable 7R mechanism with multiple operation modes. Robotica, 2014, 32, 1171-1188.	1.9	33
29	Kinematic analysis of 5-RPUR (3T2R) parallel mechanisms. Meccanica, 2011, 46, 131-146.	2.0	32
30	Reconfiguration Analysis of Multimode Single-Loop Spatial Mechanisms Using Dual Quaternions. Journal of Mechanisms and Robotics, 2017, 9, .	2.2	32
31	Reconfigurable deployable polyhedral mechanism based on extended parallelogram mechanism. Mechanism and Machine Theory, 2017, 116, 467-480.	4.5	32
32	TYPE SYNTHESIS OF INPUT-OUTPUT DECOUPLED PARALLEL MANIPULATORS. Transactions of the Canadian Society for Mechanical Engineering, 2004, 28, 185-196.	0.8	31
33	On a simplified nonlinear analytical model for the characterisation and design optimisation of a compliant XY micro-motion stage. Robotics and Computer-Integrated Manufacturing, 2018, 49, 66-76.	9.9	31
34	A variable-DOF single-loop 7R spatial mechanism with five motion modes. Mechanism and Machine Theory, 2018, 120, 239-249.	4.5	31
35	Design and Modeling of a Large-Range Modular XYZ Compliant Parallel Manipulator Using Identical Spatial Modules. Journal of Mechanisms and Robotics, 2012, 4, .	2.2	29
36	Kinematics and Singularity Analysis of a Novel Type of 3-C/RR 3-DOF Translational Parallel Manipulator. International Journal of Robotics Research, 2002, 21, 791-798.	8.5	27

#	ARTICLE	IF	CITATIONS
37	Type Synthesis of Two-Degrees-of-Freedom 3-4R Parallel Mechanisms With Both Spherical Translation Mode and Sphere-on-Sphere Rolling Mode. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	2.2	26
38	Conceptual design of compliant translational joints for high-precision applications. <i>Frontiers of Mechanical Engineering</i> , 2014, 9, 331-343.	4.3	25
39	A Formula That Produces a Unique Solution to the Forward Displacement Analysis of a Quadratic Spherical Parallel Manipulator: The Agile Eye. <i>Journal of Mechanisms and Robotics</i> , 2010, 2, .	2.2	24
40	Reconfiguration analysis of a 4-DOF 3-RER parallel manipulator with equilateral triangular base and moving platform. <i>Mechanism and Machine Theory</i> , 2016, 98, 180-189.	4.5	24
41	Kinematics, Workspace, and Singularity Analysis of a Parallel Robot With Five Operation Modes. <i>Journal of Mechanisms and Robotics</i> , 2018, 10, .	2.2	22
42	Complete kinematic analysis of single-loop multiple-mode 7-link mechanisms based on Bennett and overconstrained RPRP mechanisms. <i>Mechanism and Machine Theory</i> , 2014, 73, 117-129.	4.5	20
43	Forward displacement analysis of a quadratic 4-DOF 3T1R parallel manipulator. <i>Meccanica</i> , 2011, 46, 147-154.	2.0	19
44	A Family of Rotational Parallel Manipulators With Equal-Diameter Spherical Pure Rotation. <i>Journal of Mechanisms and Robotics</i> , 2014, 6, .	2.2	19
45	Mobility Analysis of Parallel Mechanisms Based on Screw Theory and the Concept of Equivalent Serial Kinematic Chain. , 2005, , 911.		18
46	Type Synthesis of Single-Loop Overconstrained 6R Spatial Mechanisms for Circular Translation. <i>Journal of Mechanisms and Robotics</i> , 2014, 6, .	2.2	18
47	A structure design method for compliant parallel manipulators with actuation isolation. <i>Mechanical Sciences</i> , 2016, 7, 247-253.	1.0	18
48	Forward Displacement Analysis and Singularity Analysis of a Special 2-DOF 5R Spherical Parallel Manipulator. <i>Journal of Mechanisms and Robotics</i> , 2011, 3, .	2.2	17
49	Type synthesis of three-DOF up-equivalent parallel manipulators using a virtual-chain approach. , 2006, , 123-132.		17
50	Kinematic design of a new parallel kinematic machine for aircraft wing assembly. , 2012, , .		16
51	Generation and Forward Displacement Analysis of RP_R-PR-RP_R Analytic Planar Parallel Manipulators. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2002, 124, 294-300.	2.9	15
52	Reconfiguration Analysis of a Two Degrees-of-Freedom 3-4R Parallel Manipulator With Planar Base and Platform1. <i>Journal of Mechanisms and Robotics</i> , 2016, 8, .	2.2	15
53	A geometric approach to the static balancing of mechanisms constructed using spherical kinematic chain units. <i>Mechanism and Machine Theory</i> , 2019, 140, 305-320.	4.5	15
54	Geometric construction and kinematic analysis of a 6R single-loop overconstrained spatial mechanism that has three pairs of revolute joints with intersecting joint axes. <i>Mechanism and Machine Theory</i> , 2016, 102, 196-202.	4.5	14

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55	Determination of the Uniqueness Domains of 3-RPR Planar Parallel Manipulators With Similar Platforms. , 2000, , .		14
56	Design of Deployable Mechanisms Based on Wren Parallel Mechanism Units. Journal of Mechanical Design, Transactions of the ASME, 2022, 144, .	2.9	14
57	Kinematic Analysis and Dimensional Synthesis of a Meso-Gripper. Journal of Mechanisms and Robotics, 2017, 9, .	2.2	13
58	A reconfigurable tri-prism mobile robot with eight modes. Robotica, 2018, 36, 1454-1476.	1.9	13
59	A Novel Method for Constructing Multimode Deployable Polyhedron Mechanisms Using Symmetric Spatial Compositional Units. Journal of Mechanisms and Robotics, 2019, 11, .	2.2	13
60	Classification of 6-SPS Parallel Manipulators According to Their Components. , 2000, , .		13
61	Type Synthesis of 3-DOF Spherical Parallel Manipulators Based on Screw Theory. , 2002, , 523.		12
62	Type Synthesis of Six-DOF Wrist-Partitioned Parallel Manipulators. Journal of Mechanical Design, Transactions of the ASME, 2008, 130, .	2.9	12
63	A Comparative Study on Motion Characteristics of Three Two-Degree-of-Freedom Pointing Mechanisms. Journal of Mechanisms and Robotics, 2016, 8, .	2.2	12
64	Type synthesis of multi-mode mobile parallel mechanisms based on refined virtual chain approach. Mechanism and Machine Theory, 2020, 152, 103908.	4.5	12
65	Nonlinear analytical modeling and characteristic analysis of symmetrical wire beam based composite compliant parallel modules for planar motion. Mechanism and Machine Theory, 2014, 77, 122-147.	4.5	11
66	CGA-Based approach to direct kinematics of parallel mechanisms with the 3-RS structure. Mechanism and Machine Theory, 2018, 124, 162-178.	4.5	11
67	Synthesis of multi-mode single-loop Bennett-based mechanisms using factorization of motion polynomials. Mechanism and Machine Theory, 2021, 155, 104110.	4.5	11
68	Generation and forward displacement analysis of two new classes of analytic 6-SPS parallel manipulators. Journal of Field Robotics, 2001, 18, 295-304.	0.7	10
69	Type Synthesis of 3-DOF PPR Parallel Manipulators Based on Screw Theory and the Concept of Virtual Chain. , 2004, , 1251.		10
70	Type Synthesis of Variable Degrees-of-Freedom Parallel Manipulators With Both Planar and 3T1R Operation Modes. , 2012, , .		10
71	Kinematic analysis of a 6R single-loop overconstrained spatial mechanism for circular translation. Mechanism and Machine Theory, 2015, 93, 163-174.	4.5	10
72	Forward displacement analysis of a 2-DOF RR-R&#x0332;R&#x0332;R-RRR spherical parallel manipulator. , 2010, , .		9

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73	Biped walking robot based on a 2-UPU+2-UU parallel mechanism. Chinese Journal of Mechanical Engineering (English Edition), 2014, 27, 269-278.	3.7	9
74	Determination of the Workspace of a Three-Degrees-of-Freedom Parallel Manipulator Using a Three-Dimensional Computer-Aided-Design Software Package and the Concept of Virtual Chains1. Journal of Mechanisms and Robotics, 2016, 8, .	2.2	9
75	Design and Kinematic Analysis of a Multiple-Mode 5R2P Closed-Loop Linkage. , 2010, , 3-10.		9
76	A rolling 3-UPU parallel mechanism. Frontiers of Mechanical Engineering, 2013, 8, 340-349.	4.3	8
77	Type Synthesis of Parallel Mechanisms With a Constant Jacobian Matrix. Journal of Mechanisms and Robotics, 2018, 10, .	2.2	8
78	Operation mode analysis of lower-mobility parallel mechanisms based on dual quaternions. Mechanism and Machine Theory, 2019, 142, 103577.	4.5	8
79	Structure Synthesis and Reconfiguration Analysis of Variable-Degree-of-Freedom Single-Loop Mechanisms With Prismatic Joints Using Dual Quaternions. Journal of Mechanisms and Robotics, 2022, 14, .	2.2	8
80	A Two-Fingered Anthropomorphic Robotic Hand with Contact-Aided Cross Four-Bar Mechanisms as Finger Joints. Lecture Notes in Computer Science, 2016, , 28-39.	1.3	8
81	A DEPENDENT-SCREW SUPPRESSION APPROACH TO THE SINGULARITY ANALYSIS OF A 7-DOF REDUNDANT MANIPULATOR: CANADARM2. Transactions of the Canadian Society for Mechanical Engineering, 2005, 29, 593-604.	0.8	7
82	Forward Displacement Analysis and Singularity Analysis of a 2-DOF 5R Spherical Parallel Manipulator. , 2009, , .		7
83	Mobility and Singularity Analysis of a Class of 2-DOF Rotational Parallel Mechanisms Using a Visual Graphic Approach. , 2011, , .		7
84	Classification of Screw Systems Composed of Three Planar Pencils of Lines for Singularity Analysis of Parallel Mechanisms1. Journal of Mechanisms and Robotics, 2014, 6, .	2.2	7
85	A 3-DOF Translational Compliant Parallel Manipulator Based on Flexure Motion. , 2009, , .		6
86	Conceptual Design and Modelling of a Self-Adaptive Compliant Parallel Gripper for High-Precision Manipulation. , 2012, , .		6
87	A rolling mechanism with two modes of planar and spherical linkages. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 2110-2123.	2.1	6
88	Kinematics analysis of a novel 2R1T 3-PUU parallel mechanism with multiple rotation centers. Mechanism and Machine Theory, 2020, 152, 103938.	4.5	6
89	A Compact Mirror-Symmetrical XY Compliant Parallel Manipulator for Minimizing Parasitic Rotations. Journal of Mechanical Design, Transactions of the ASME, 2022, 144, .	2.9	6
90	Forward Displacement Analysis of a Quadratic Planar Parallel Manipulator: 3-RP1±R Parallel Manipulator With Similar Triangular Platforms 1. Journal of Mechanisms and Robotics, 2009, 1, .	2.2	5

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91	Position Analysis of a Bennett-Based Multiple-Mode 7R Linkage. , 2009, , .		5
92	Forward Displacement Analysis of a Linearly Actuated Quadratic Spherical Parallel Manipulator. Journal of Mechanisms and Robotics, 2011, 3, .	2.2	5
93	Single-Loop Foldable 8R Mechanisms with Multiple Modes. Mechanisms and Machine Science, 2017, , 503-510.	0.5	5
94	Type Synthesis of 3-DOF Parallel Manipulators With Both Planar and Translational Operation Modes. , 2011, , .		4
95	Kinematic Analysis of a Mechanism With Dual Remote Centre of Motion and its Potential Application. , 2015, , .		4
96	Type Synthesis of Three-Degree-of-Freedom Translational Compliant Parallel Mechanisms. Journal of Mechanisms and Robotics, 2015, 7, .	2.2	4
97	Kinematic Analysis of Conventional and Multi-Mode Spatial Mechanisms Using Dual Quaternions. , 2016, , .		4
98	Design and Analysis of a New 7R Single-Loop Mechanism with 4R, 6R and 7R Operation Modes. Mechanisms and Machine Science, 2016, , 27-37.	0.5	4
99	A 6R Single-Loop Overconstrained Spatial Mechanism That Has Two Pairs of Revolute Joints With Intersecting Axes and One Pair of Revolute Joints With Parallel Axes. , 2017, , .		4
100	A Double-Faced 6R Single-Loop Overconstrained Spatial Mechanism. Journal of Mechanisms and Robotics, 2018, 10, .	2.2	4
101	A multiple-mode mechanism composed of four antiparallelogram units and four revolute joints. Mechanism and Machine Theory, 2021, 155, 104106.	4.5	4
102	Forward Kinematics and Singularity Analysis of a 3-RPR Planar Parallel Manipulator. , 2008, , 29-38.		4
103	Type Synthesis of Six-DOF Wrist-Partitioned Fully Parallel Manipulators. , 2007, , 1195.		3
104	Forward Displacement Analysis of a Quadratic Spherical Parallel Manipulator: The Agile Eye. , 2009, , .		3
105	A planar reconfigurable linear rigid-body motion linkage with two operation modes. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 2985-2991.	2.1	3
106	A novel robotic assistive device for stroke-rehabilitation. , 2014, , .		3
107	A Novel Synthesis Method of Polygon-Scaling Mechanisms. , 2014, , .		3
108	Reconfiguration Analysis of a Variable Degrees-of-Freedom Parallel Manipulator With Both 3-DOF Planar and 4-DOF 3T1R Operation Modes. , 2016, , .		3

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109	Identification and Comparison for Continuous Motion Characteristics of Three Two-Degree-of-Freedom Pointing Mechanisms. <i>Journal of Mechanisms and Robotics</i> , 2017, 9, .	2.2	3
110	Algebraic Analysis of a New Variable-DOF 7R Mechanism. <i>Mechanisms and Machine Science</i> , 2017, , 71-79.	0.5	3
111	Kinematics, Workspace and Singularity Analysis of a Multi-Mode Parallel Robot. , 2017, , .		3
112	A Novel Method for Constructing Multi-Mode Deployable Polyhedron Mechanisms Using Symmetric Spatial RRR Compositional Units. , 2018, , .		3
113	A Single-Loop 7R Spatial Mechanism That Has Three Motion Modes With the Same Instantaneous DOF but Different Finite DOF. , 2018, , .		3
114	Design of a train cleaning robot for the train carriage interior. <i>Procedia CIRP</i> , 2021, 100, 804-809.	1.9	3
115	Forward Displacement Analysis of a Quadratic Planar Parallel Manipulator: 3-RPR Parallel Manipulator With Similar Triangular Platforms. , 2008, , .		3
116	Representation of planar kinematic chains with multiple joints based on a modified graph and isomorphism identification. <i>Mechanism and Machine Theory</i> , 2022, 172, 104793.	4.5	3
117	Classification of 3-Degree-of-Freedom 3-UPI Translational Parallel Mechanisms Based on Constraint Singularity Loci Using Gr�bner Cover. <i>Journal of Mechanisms and Robotics</i> , 2022, 14, .	2.2	3
118	Discussion: ‘‘Kinematics of the Translational 3-URC Mechanism’’[Di Gregorio, R., 2004, <i>ASME J. Mech. Des.</i> , 126, pp. 1113-1117]. <i>Journal of Mechanical Design</i> , Transactions of the ASME, 2006, 128, 812-813.	2.9	2
119	Design and Modelling of Spatial Compliant Parallel Mechanisms for Large Range of Translation. , 2010, , .		2
120	Novel XY Compliant Parallel Manipulators for Large Displacement Translation With Enhanced Stiffness. , 2010, , .		2
121	Analysis and characterisation of a kinematically decoupled compliant XY stage. , 2015, , .		2
122	Design of compliant parallel grippers using the position space concept for manipulating sub-millimeter objects. , 2015, , .		2
123	Reconfiguration Analysis of a 2-DOF 3-4R Parallel Manipulator With Planar Base and Platform. , 2015, , .		2
124	Type Synthesis of 3-RSR Equivalent 2R1T Parallel Mechanisms. , 2018, , .		2
125	Classification of a 3-RER Parallel Manipulator Based on the Type and Number of Operation Modes. <i>Journal of Mechanisms and Robotics</i> , 2021, 13, .	2.2	2
126	Variable Degree-of-Freedom Spatial Mechanisms Composed of Four Circular Translation Joints. <i>Journal of Mechanisms and Robotics</i> , 2021, 13, .	2.2	2



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127	Kinematic and Dynamic Modeling of a Parallel Manipulator with Eight Actuation Modes. Mechanisms and Machine Science, 2014, , 315-329.	0.5	2
128	Geometric Interpretation of Singular Configurations of a Class of Parallel Manipulators. , 2011, , .		1
129	Type Synthesis of Two Degrees-of-Freedom Rotational Parallel Mechanisms With a Fixed Center-of-Rotation Based on a Graphic Approach. , 2012, , .		1
130	Type Synthesis of 2-DOF Rotational Parallel Manipulators With an Equal-Diameter Spherical Pure Rolling Motion. , 2013, , .		1
131	Type Synthesis of Kinematically Redundant 3T1R Parallel Manipulators. , 2013, , .		1
132	Comparison Study on Motion Characteristics of Three 2-DOF Pointing Devices. , 2014, , .		1
133	Design of Constant-Velocity Transmission Devices Using Parallel Kinematics Principle. , 2014, , .		1
134	Development of a Low-Cost Underactuated and Self-Adaptive Robotic Hand. , 2014, , .		1
135	Type Synthesis of 2-DOF 3-4R Parallel Mechanisms With Both Spatial Parallelogram Translational Mode and Equal-Diameter Spherical Rotation Mode. , 2014, , .		1
136	Axode Characteristic of 4-4R Parallel Pointing Mechanism. , 2015, , .		1
137	Design, fabrication and testing of a hybrid micro-motion XY stage driven by voice coil actuators. , 2016, , .		1
138	Reconfiguration Analysis of an RRRRS Single-Loop Mechanism. Robotics, 2018, 7, 51.	3.5	1
139	Material Handling System for a Hybrid Machine. , 2018, , 215-237.		1
140	Reconfiguration Analysis of a 3-DOF Parallel Mechanism. Robotics, 2019, 8, 66.	3.5	1
141	Ordered Structure and the Coupling Degree of Planar Mechanism Based on Single-Open Chain and Its Application. , 2008, , .		1
142	Forward displacement analysis of a 3-RPR planar parallel manipulator revisited. , 2009, , 69-76.		1
143	Design, Fabrication and Testing of a Dual-Range XY Micro-Motion Stage Driven by Voice Coil Actuators. Advances in Science, Technology and Engineering Systems, 2017, 2, 498-504.	0.5	1
144	Multi-Loop Rover: A Kind of Modular Rolling Robot Constructed by Multi-Loop Linkages. Journal of Mechanisms and Robotics, 2021, 13, .	2.2	1

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145	Motion/structure mode analysis and classification of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e260" altimg="si144.svg"} \rangle \langle \text{mml:mi} \rangle n \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -RR planar parallelogram mechanisms. Mechanism and Machine Theory, 2022, 169, 104623.	4.5	1
146	Virtual-Chain Approach for the Type Synthesis of Parallel Mechanisms. , 0, , 63-83.		1
147	Comment on "R-CUBE, a decoupled parallel manipulator only with revolute joints" by Li et al., [Mech. Mach. Theory 40 (4) (2004) 467-473]. Mechanism and Machine Theory, 2005, 40, 1207-1208.	4.5	0
148	Forward Displacement Analysis of a Linearly Actuated Quadratic Spherical Parallel Manipulator. , 2010, , .		0
149	Comments on "Design and analysis of a totally decoupled 3-DOF spherical parallel manipulator" by D. Zhang and F. Zhang (Robotica, Available on CJO 19 Nov, 2010, doi:10.1017/S0263574710000652). Robotica, 2011, 29, 1101-1103.	1.9	0
150	Conceptual Design and Analysis of Spherical Mobile Robots With an Omni-Wheel Based Internal Driving Unit. , 2011, , .		0
151	Classification of Screw Systems Composed of Three Planar Pencils of Lines. , 2012, , .		0
152	Determination of the Workspace of Parallel Manipulators Using a CAD Software and the Concept of Virtual Chains. , 2013, , .		0
153	Type Synthesis of 3-DOF Translational Compliant Parallel Mechanisms. , 2013, , .		0
154	Block Adjacency Matrix Method for Analyzing the Configuration Transformations of Metamorphic Parallel Mechanisms. , 2014, , .		0
155	Comments on "Design and analysis of a new compliant XY micropositioning stage based on Roberts mechanism" [Mechanism and Machine Theory 95 (2016) 125-139]. Mechanism and Machine Theory, 2016, 100, 368-369.	4.5	0
156	Biped 4-UPU Parallel Mechanism. , 2017, , .		0
157	Reconfiguration Analysis of a Variable Degrees-of-freedom Multi-mode Parallel Manipulator. , 2018, , .		0
158	Operation mode analysis of a 4-DOF n-RER parallel manipulator with three operation modes. Mechanisms and Machine Science, 2019, , 2531-2537.	0.5	0
159	Kinematic Type. , 2021, , 1-5.		0
160	On the Performance Analyses of a Modified Force Field Algorithm for Obstacle Avoidance in Swarm Robotics. Communications in Computer and Information Science, 2021, , 111-122.	0.5	0
161	On the Performance Analyses of a Modified Force Field Algorithm and Neural Network Approach for Obstacle Avoidance in Swarm Robotics. SN Computer Science, 2021, 2, 1.	3.6	0
162	Type Synthesis of Partially Decoupled 2-DOF Parallel Mechanisms with Two 1T1R Operational Modes. , 2012, , 245-257.		0

#	ARTICLE	IF	CITATIONS
163	Four-DOF SP= Parallel Mechanisms. , 0, , 159-172.		0
164	Five-DOF US= Parallel Mechanisms. , 0, , 173-183.		0
165	Five-DOF PPPU= Parallel Mechanisms. , 0, , 185-198.		0
166	Five-DOF PPS= Parallel Mechanisms. , 0, , 199-211.		0
167	Classification of Parallel Mechanisms. , 0, , 55-61.		0
168	Four-DOF PPPR= Parallel Mechanisms. , 2007, , 141-157.		0