

# Yaobin Tian

## List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	A reconfigurable multi-mode mobile parallel robot. Mechanism and Machine Theory, 2017, 111, 39-65.	4.5	39
2	Design and locomotion analysis of a novel modular rolling robot. Mechanism and Machine Theory, 2019, 133, 23-43.	4.5	19
3	Dynamic rolling analysis of triangular-bipyramid robot. Robotica, 2015, 33, 884-897.	1.9	13
4	A Rolling 8-Bar Linkage Mechanism. Journal of Mechanisms and Robotics, 2015, 7, .	2.2	12
5	Sliding“crawling parallelogram mechanism. Mechanism and Machine Theory, 2014, 78, 201-228.	4.5	11
6	An agile assistant robot integrating operation and rolling locomotion. Industrial Robot, 2017, 44, 114-126.	2.1	11
7	A novel rhombohedron rolling mechanism. Mechanism and Machine Theory, 2016, 105, 285-303.	4.5	10
8	Design and locomotion analysis of a novel deformable mobile robot with worm-like, self-crossing and rolling motion. Robotica, 2016, 34, 1961-1978.	1.9	7
9	Design and locomotion analysis of two kinds of rolling expandable mobile linkages with a single degree of freedom. Frontiers of Mechanical Engineering, 2020, 15, 365-373.	4.3	6
10	A Novel Underactuated Tetrahedral Mobile Robot. Journal of Mechanisms and Robotics, 2018, 10, .	2.2	5
11	Design and Rolling Analysis of a Novel Deformable Polyhedron Robot. International Journal of Advanced Robotic Systems, 2014, 11, 175.	2.1	3
12	Different manipulation mode analysis of a radial symmetrical hexapod robot with leg“arm integration. Frontiers of Mechanical Engineering, 2022, 17, 1.	4.3	2
13	Multi-Loop Rover: A Kind of Modular Rolling Robot Constructed by Multi-Loop Linkages. Journal of Mechanisms and Robotics, 2021, 13, .	2.2	1