

# Takateru Urakubo

## List of Publications by Year in descending order

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33  
papers

276  
citations

1307366

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h-index

1058333

14  
g-index

33  
all docs

33  
docs citations

33  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Feedback stabilization of a nonholonomic system with potential fields: application to a two-wheeled mobile robot among obstacles. <i>Nonlinear Dynamics</i> , 2015, 81, 1475-1487.	2.7	41
2	Micro Geared Ultrasonic Motor. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 781-787.	3.7	26
3	Motion Control of a Nonholonomic System Based on the Lyapunov Control Method. <i>Journal of Guidance, Control, and Dynamics</i> , 2002, 25, 285-290.	1.6	25
4	Motion control of a two-wheeled mobile robot. <i>Advanced Robotics</i> , 2001, 15, 711-728.	1.1	22
5	Dynamic Modeling and Controller Design for a Spherical Rolling Robot Equipped With a Gyro. <i>IEEE Transactions on Control Systems Technology</i> , 2016, 24, 1669-1679.	3.2	22
6	Attitude Control of a Spacecraft with Two Reaction Wheels. <i>JVC/Journal of Vibration and Control</i> , 2004, 10, 1291-1311.	1.5	21
7	Hovering control of outdoor blimp robots based on path following. , 2010, , .		18
8	Optimal placement of a two-link manipulator for door opening. , 2009, , .		14
9	Development of a spherical rolling robot equipped with a gyro. , 2012, , .		9
10	Experimental study on efficient use of singular configuration in pulling heavy objects with two-link robot arm. , 2014, , .		9
11	Optimization of jumping motion of a legged robot for different take-off postures. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 1391-1397.	0.7	9
12	Efficient pulling motion of a two-link robot arm near singular configuration. , 2010, , .		8
13	Lift Generation by a Miniature Piezoelectric Ultrasonic Motor-Driven Rotary-Wing for Pico Air Vehicles. <i>IEEE Access</i> , 2022, 10, 13210-13218.	2.6	8
14	Singularity-Based Four-Bar Linkage Mechanism for Impulsive Torque With High Energy Efficiency. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	1.5	7
15	Stability Analysis and Control of Nonholonomic Systems with Potential Fields. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018, 89, 121-137.	2.0	7
16	Trajectory and Force Control of a Manipulator with Elastic Links. <i>JVC/Journal of Vibration and Control</i> , 2004, 10, 1271-1289.	1.5	4
17	Configuration consensus of two underactuated planar rigid bodies. , 2008, , .		4
18	Analysis of task feasibility for a home robot using prismatic joints. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
19	Landing Motion of a Legged Robot with Impact Force Reduction and Joint Torque Minimization. , 2013, , .		3
20	Generation of large pulling force by a mobile manipulator through singular configuration. , 2015, , .		3
21	Novel Process Noise Model for GNSS Kalman Filter Based on Sensitivity Analysis of Covariance with Poor Satellite Geometry. Sensors, 2021, 21, 6056.	2.1	3
22	Advantage of singular configuration in pulling heavy object with a two-link mobile manipulator. , 2016, , .		2
23	Dynamic advantages of singular configurations in moving heavy object by a two-link mechanism. Multibody System Dynamics, 2017, 41, 149-172.	1.7	2
24	Landing Motion of a Legged Robot with Minimization of Impact Force and Joint Torque. Journal of Robotics and Mechatronics, 2015, 27, 32-40.	0.5	2
25	Capturability of a simple guidance law with angular acceleration input. , 2009, , .		1
26	Capturability analysis of a three-dimensional guidance law with angular acceleration input. , 2012, , .		1
27	Dragging motion of a two-link mobile manipulator with large pull force through singular configuration: theoretical analysis and experimental verification. Advanced Robotics, 2018, 32, 623-634.	1.1	1
28	Singularity-based mechanism with high responsiveness. , 2010, , .		0
29	Configuration Consensus of Two Underactuated Planar Rigid Bodies. SICE Journal of Control Measurement and System Integration, 2011, 4, 430-438.	0.4	0
30	Special Issue on Motion Strategies for Underactuated Robotic Vehicles in the Presence of Constraints. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 89, 3-5.	2.0	0
31	Dynamic advantages of singular configurations in moving heavy objects with a 3-DOF robot manipulator. , 2018, , .		0
32	Efficient Energy Supply from Joint Torques near Singular Configurations for a Two-link Robot Arm with Joint Friction. , 2020, , .		0
33	A Study on Efficient LiDAR-based Localization with Initial Pose Estimation. , 2020, , .		0