Takao Maeda

List of Publications by Year
in descending order

21	94	1937685 4	1588992 8
papers	citations	h-index	g-index

21	21	21	48
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SPET: Swarm Probability Exploration Tracker for Stochastic Distributed Exploration System toward Wide Area Exploration. , 2020, , .		2
2	Trajectory estimation and position correction for hopping robot navigation using monocular camera. ROBOMECH Journal, 2020, 7, .	1.6	3
3	Position and Attitude Estimation for Distributed Exploration of Small Rovers Using Flash Light from Leader Agent. , 2019, , .		3
4	Evaluation of Hopping Robot Performance With Novel Foot Pad Design on Natural Terrain for Hopper Development. IEEE Robotics and Automation Letters, 2019, 4, 3294-3301.	5.1	4
5	Saliency and spatial information-based landmark selection for mobile robot navigation in natural environments. Advanced Robotics, 2019, 33, 520-535.	1.8	7
6	Design of Landing-Gear Footpad Based on Resistive Force Generated by Celestial Soil. Journal of Spacecraft and Rockets, 2019, 56, 104-116.	1.9	4
7	Protection against overturning of a lunar-planetary lander using a controlled landing gear. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 438-456.	1.3	11
8	A Mechanical Design for Efficient Hopping of Planetary Rover on Soft Soil. , 2018, , .		2
9	Planetary Exploration Spacecraft Landing Gear with Three-Dimensional Linear-Rotary-Energy-Conversion Mechanism. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2018, 16, 635-643.	0.2	2
10	Design of shoe plate for small hopping rover on loose soil. , 2018, , .		3
11	Touchdown Dynamics of Planetary Lander with Translationâ€“Rotation Motion Conversion Mechanism. Journal of Spacecraft and Rockets, 2017, 54, 973-980.	1.9	10
12	A new mechanism of smart jumping robot for lunar or planetary satellites exploration. , 2017, , .		3
13	Path planning with risk consideration on hopping mobility. , 2017, , .		10
14	Proposal of Non-Flying-Type MEID mechanism for lunar/planetary exploration spacecraft. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2016, 10, JAMDSM0062-JAMDSM0062.	0.7	1
15	Motion trajectory generation using updating final-state control. , 2016, , .		0
16	Experimental Validation of Semi-Active Landing Gear for Touchdown with Attitude Disturbance. , 2016, , .		2
17	Attitude Stabilization for Lunar and Planetary Lander with Variable Damper. Journal of Guidance, Control, and Dynamics, 2016, 39, 1790-1804.	2.8	19
18	Overturning protection control of lunar-planetary lander with semi-active shock absorber. Transactions of the JSME (in Japanese), 2014, 80, DR0235-DR0235.	0.2	3

#	Article	IF	Citations
19	3C22 Simulation and Experimental Validation on Touchdown Dynamics of Lunar-Planetary Lander with Controllable Landing Gear(The 12th International Conference on Motion and Vibration Control). The Proceedings of the Symposium on the Motion and Vibration Control, 2014, 2014.12, _3C22-1_-_3C22-7_.	0.0	0
20	3C11 Touchdown dynamics simulation of a novel pulley suspension mechanism for a movable lander(The 12th International Conference on Motion and Vibration Control). The Proceedings of the Symposium on the Motion and Vibration Control, 2014, 2014.12, _3C11-1_-_3C11-7_.	0.0	1
21	Proposal of an actively controllable landing leg for lunar-planetary lander. , 2013, , .		4