Kazuya Yoshida

List of Publications by Year
in descending order

236	5,897	172457	110387
papers	citations	29 h-index	64 g-index

243	243	243	3204
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resolved motion rate control of space manipulators with generalized Jacobian matrix. IEEE Transactions on Automation Science and Engineering, 1989, 5, 303-314.	2.3	508
2	Emergency response to the nuclear accident at the Fukushima Daiichi Nuclear Power Plants using mobile rescue robots. Journal of Field Robotics, 2013, 30, 44-63.	6.0	453
3	Touchdown of the Hayabusa Spacecraft at the Muses Sea on Itokawa. Science, 2006, 312, 1350-1353.	12.6	349
4	Collaborative mapping of an earthquakeâ€damaged building via ground and aerial robots. Journal of Field Robotics, 2012, 29, 832-841.	6.0	294
5	Terramechanics-based model for steering maneuver of planetary exploration rovers on loose soil. Journal of Field Robotics, 2007, 24, 233-250.	6.0	250
6	Experimental study and analysis on driving wheelsâ€™ performance for planetary exploration rovers moving in deformable soil. Journal of Terramechanics, 2011, 48, 27-45.	3.1	169
7	Continuous path control of space manipulators mounted on OMV. Acta Astronautica, 1987, 15, 981-986.	3.2	166
8	Reaction null-space control of flexible structure mounted manipulator systems. IEEE Transactions on Automation Science and Engineering, 1999, 15, 1011-1023.	2.3	160
9	Impact analysis and post-impact motion control issues of a free-floating Space robot subject to a force impulse. IEEE Transactions on Automation Science and Engineering, 1999, 15, 548-557.	2.3	147
10	Analysis of a redundant free-flying spacecraft/manipulator system. IEEE Transactions on Automation Science and Engineering, 1992, 8, 1-6.	2.3	134
11	Dynamics, control and impedance matching for robotic capture of a non-cooperative satellite. Advanced Robotics, 2004, 18, 175-198.	1.8	120
12	Achievements in space robotics. IEEE Robotics and Automation Magazine, 2009, 16, 20-28.	2.0	104
13	Traveling performance evaluation of planetary rovers on loose soil. Journal of Field Robotics, 2012, 29, 648-662.	6.0	76
14	On the Capture of Tumbling Satellite by a Space Robot. , 2006, , .		65
15	Path Planning for Planetary Exploration Rovers and Its Evaluation based on Wheel Slip Dynamics. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	62
16	Collaborative Mapping of an Earthquake Damaged Building via Ground and Aerial Robots. Springer Tracts in Advanced Robotics, 2014, , 33-47.	0.4	60
17	Planetary roversâ€™ wheelâ€“soil interaction mechanics: new challenges and applications for wheeled mobile robots. Intelligent Service Robotics, 2011, 4, 17-38.	2.6	57
18	Mechanical design of the Wheel-Leg hybrid mobile robot to realize a large wheel diameter. , 2010, , .		52

#	Article	IF	Citations
19	Adaptive Kalman Filtering for GPS-based Mobile Robot Localization. , 2007, , .		48
20	Slope traversal controls for planetary exploration rover on sandy terrain. Journal of Field Robotics, 2009, 26, 264-286.	6.0	48
21	Path following control for tracked vehicles based on slip-compensating odometry. , 2007, , .		46
22	Gamma-ray irradiation test of electric components of rescue mobile robot Quince. , 2011, , .		46
23	Path Following Control with Slip Compensation on Loose Soil for Exploration Rover. , 2006, , .		44
24	Control of Space Manipulators with Generalized Jacobian Matrix. Kluwer International Series in Engineering and Computer Science, 1993, , 165-204.	0.2	44
25	Experimental study on the dynamics and control of a space robot with experimental free-floating robot satellite. Advanced Robotics, 1994, 9, 583-602.	1.8	41
26	Adaptive Reaction Control for Space Robotic Applications with Dynamic Model Uncertainty. Advanced Robotics, 2010, 24, 1099-1126.	1.8	41
27	Shared autonomy system for tracked vehicles on rough terrain based on continuous threeâ€dimensional terrain scanning. Journal of Field Robotics, 2011, 28, 875-893.	6.0	41
28	Impedance-based contact control of a free-flying space robot with a compliant wrist for non-cooperative satellite capture. , 2012, , .		41
29	Odometry Correction Using Visual Slip Angle Estimation for Planetary Exploration Rovers. Advanced Robotics, 2010, 24, 359-385.	1.8	40
30	Moving Base Robotics and Reaction Management Control. , 1996, , 100-109.		40
31	Inertia Parameter Identification for a Free-Flying Space Robot. , 2002, , .		39
32	Passive Spine Gripper for Free-Climbing Robot in Extreme Terrain. IEEE Robotics and Automation Letters, 2018, 3, 1765-1770.	5.1	39
33	Slip ratio for lugged wheel of planetary rover in deformable soil: definition and estimation. , 2009, , .		37
34	Multirobot exploration for search and rescue missions: A report on map building in RoboCupRescue 2009. Journal of Field Robotics, 2011, 28, 373-387.	6.0	36
35	Impedance Control for Free-flying Space Robots -Basic Equations and Applications-. , 2006, , .		35
36	Dynamic Simulation-Based Action Planner for a Reconfigurable Hybrid Legâ€“Wheel Planetary Exploration Rover. Advanced Robotics, 2010, 24, 1219-1238.	1.8	35

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37	Semi-autonomous operation of tracked vehicles on rough terrain using autonomous control of active flippers. , 2009, , .		34
38	Modeling, Analysis, and Control of an Actively Reconfigurable Planetary Rover for Traversing Slopes Covered with Loose Soil. Journal of Field Robotics, 2013, 30, 875-896.	6.0	34
39	Improvement of the Odometry Accuracy of a Crawler Vehicle with Consideration of Slippage. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	33
40	Parameter identification for planetary soil based on a decoupled analytical wheel-soil interaction terramechanics model. , 2009, , .		33
41	Overview and early results of the Global Lightning and Sprite Measurements mission. Journal of Geophysical Research D: Atmospheres, 2015, 120, 3822-3851.	3.3	33
42	Space Robots and Systems. , 2008, , 1031-1063.		31
43	Semi-autonomous traversal on uneven terrain for a tracked vehicle using autonomous control of active flippers. , 2008, , .		29
44	Continuous Acquisition of Three-Dimensional Environment Information for Tracked Vehicles on Uneven Terrain. , 2008, , .		29
45	Accurate estimation of drawbar pull of wheeled mobile robots traversing sandy terrain using built-in force sensor array wheel. , 2009, , .		29
46	Vision-based estimation of slip angle for mobile robots and planetary rovers. , 2008, , .		27
47	<title>Motion dynamics and control of a planetary rover with slip-based traction model</title>. , 2002, , .		26
48	Design of wheels with grousers for planetary rovers traveling over loose soil. Journal of Terramechanics, 2013, 50, 345-353.	3.1	26
49	Development of legâ€track hybrid locomotion to traverse loose slopes and irregular terrain. Journal of Field Robotics, 2011, 28, 950-960.	6.0	25
50	Whole-body motion control for capturing a tumbling target by a free-floating space robot. , 2007, , .		24
51	Terramechanics-Based Analysis and Traction Control of a Lunar/Planetary Rover. , 0, , 225-234.		23
52	Collision avoidance method for mobile robot considering motion and personal spaces of evacuees. , 2010, , .		23
53	Development of a Transformable Mobile Robot with a Variable Wheel Diameter. Journal of Robotics and Mechatronics, 2007, 19, 252-257.	1.0	23
54	Crawler vehicle with circular cross-section unit to realize sideways motion. , 2008, , .		22

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55	Control of a Group of Mobile Robots Based on Formation Abstraction and Decentralized Locational Optimization. IEEE Transactions on Robotics, 2014, 30, 550-565.	10.3	22
56	Space Robot Dynamics and Control: To Orbit, From Orbit, and Future. , 2000, , 449-456.		22
57	Impedance-based contact control of a free-flying space robot with respect to coefficient of restitution. , 2011, , .		21
58	HPT: A High Spatial Resolution Multispectral Sensor for Microsatellite Remote Sensing. Sensors, 2018, 18, 619.	3.8	20
59	Path Planning and Evaluation for Planetary Rovers Based on Dynamic Mobility Index. , 2011, , .		20
60	Development of a Visual Odometry System for a Wheeled Robot on Loose Soil using a Telecentric Camera. Advanced Robotics, 2010, 24, 1149-1167.	1.8	19
61	ETS-VII Flight Experiments For Space Robot Dynamics and Control. , 2001, , 209-218.		19
62	Vibration suppression and zero reaction maneuvers of flexible space structure mounted manipulators. Smart Materials and Structures, 1999, 8, 847-856.	3.5	18
63	Motion control of multi-limbed robots for asteroid exploration missions. , 2009, , .		18
64	Time-Optimal Manipulator Control for Management of Angular Momentum Distribution during the Capture of a Tumbling Target. Advanced Robotics, 2010, 24, 441-466.	1.8	18
65	Design of underactuated hand for caging-based grasping of free-flying object. , 2013, , .		18
66	Development and field test of teleoperated mobile robots for active volcano observation. , 2014, , .		17
67	Measurement and modeling for two-dimensional normal stress distribution of wheel on loose soil. Journal of Terramechanics, 2015, 62, 63-73.	3.1	17
68	Highâ€speed mobility on planetary surfaces: A technical review. Journal of Field Robotics, 2019, 36, 1436-1455.	6.0	17
69	A General Formulation of Under-Actuated Manipulator Systems. , 1998, , 33-44.		17
70	Three-Dimensional Thermography Mapping for Mobile Rescue Robots. Springer Tracts in Advanced Robotics, 2014, , 49-63.	0.4	17
71	Steering characteristics of an exploration rover on loose soil based on all-wheel dynamics model. , 2005, , .		16
72	Noncontact position estimation device with optical sensor and laser sources for mobile robots traversing slippery terrains. , 2010, , .		16

#	Article	IF	Citations
73	Local Path Planner for Mobile Robot in Dynamic Environment based on Distance Time Transform Method. Advanced Robotics, 2012, 26, 1623-1647.	1.8	16
74	Development and Flight Results of Microsatellite Bus System for RISING-2. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pf_89-Pf_96.	0.2	16
75	Slip-based Traction Control of a Planetary Rover. , 2003, , 644-653.		16
76	Volcanic ash observation in active volcano areas using teleoperated mobile robots - Introduction to our robotic-volcano-observation project and field experiments. , 2013, , .		15
77	SPRITE-SAT: A University Small Satellite for Observation of High-Altitude Luminous Events. , 2010, , 197-206.		15
78	Motion control of dual-arm long-reach manipulators. Advanced Robotics, 1998, 13, 617-631.	1.8	14
79	Utilization of Holonomic Distribution Control for Reactionless Path Planning. , 2006, , .		14
80	Terramechanics-based high-fidelity dynamics simulation for wheeled mobile robot on deformable rough terrain. , 2010, , .		14
81	Time-optimal detumbling maneuver along an arbitrary arm motion during the capture of a target satellite. , 2011, , .		14
82	Field Experiment on Multiple Mobile Robots Conducted in an Underground Mall. Springer Tracts in Advanced Robotics, 2010, , 365-375.	0.4	14
83	Experiments on the point-to-point operations of a flexible structure mounted manipulator system. Advanced Robotics, 1996, 11, 397-411.	1.8	13
84	Slope traversal experiments with slip compensation control for lunar/planetary exploration rover. , 2008, , .		13
85	Time-optimal manipulator control of a free-floating space robot with constraint on reaction torque. , 2008, , .		13
86	Horizontal distributions of sprites derived from the JEMâ€GLIMS nadir observations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3171-3194.	3.3	13
87	Lunar Micro Rover Design for Exploration through Virtual Reality Tele-operation. Springer Tracts in Advanced Robotics, 2015, , 259-272.	0.4	13
88	Control of a space manipulator for autonomous target capture - ETS-VII flight experiments and analysis. , 2000, , .		12
89	An adaptive control of a space manipulator for vibration suppression. , 2005, , .		12
90	Development and Control Method of Six-Wheel Robot with Rocker Structure. , 2007, , .		12

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91	Action planner of hybrid leg-wheel robots for lunar and planetary exploration. , 2008, , .		12
92	Armadillo-inspired wheel-leg retractable module. , 2009, , .		12
93	Evaluation of the reconfiguration effects of planetary rovers on their lateral traversing of sandy slopes. , 2012, , .		12
94	Orbit insertion strategy of Hayabusa2â€™s rover with large release uncertainty around the asteroid Ryugu. Astrodynamics, 2020, 4, 309-329.	2.4	12
95	The Global Lightning and Sprite Measurement (GLIMS) Mission on International Space Station -Concept and Overview-. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 971-976.	0.2	12
96	HubRobo: A Lightweight Multi-Limbed Climbing Robot for Exploration in Challenging Terrain. , 2021, , .		12
97	Development of a Networked Robotic System for Disaster Mitigation, -Navigation System based on 3D Geometry Acquisition. , 2006, , .		11
98	Virtual mass of impedance system for free-flying target capture. , 2010, , .		11
99	Shared autonomy system for tracked vehicles to traverse rough terrain based on continuous three-dimensional terrain scanning. , 2010, , .		11
100	Slope traversability analysis of reconfigurable planetary rovers. , 2012, , .		11
101	Attitude determination and control system for nadir pointing using magnetorquer and magnetometer. , 2016, , .		11
102	Space Robotics. Springer Handbooks, 2016, , 1423-1462.	0.6	11
103	Improvement and verification of satellite dynamics simulator based on flight data analysis. , 2017, , .		11
104	Stress distributions of a grouser wheel on loose soil. Journal of Terramechanics, 2019, 85, 15-26.	3.1	11
105	Shape effects of wheel grousers on traction performance on sandy terrain. Journal of Terramechanics, 2020, 90, 23-30.	3.1	11
106	Path planning and evaluation for planetary rovers based on dynamic mobility index. , 2011, , .		11
107	Basic running test of the cylindrical tracked vehicle with sideways mobility. , 2009, , .		10
108	Throwable tetrahedral robot with transformation capability. , 2009, , .		10

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109	Development of multi-D.O.F. tracked vehicle to traverse weak slope and climb up rough slope. , 2013, , .		10
110	Gait Planning for a Free-Climbing Robot Based on Tumble Stability. , 2019, , .		10
111	Evolving Legged Rovers for Minor Body Exploration Missions. , 0, , .		9
112	Teleoperation of all-terrain robot using continuous acquisition of three-dimensional environment under time-delayed narrow bandwidth communication. , 2009, , .		9
113	Attitude control system of micro satellite RISING-2. , 2010, , .		9
114	Satellite system integration based on Space Plug and Play Avionics. , 2011, , .		9
115	Modeling and analysis of ciliary micro-hopping locomotion actuated by an eccentric motor in a microgravity. , 2013, , .		9
116	Vibration suppression control of a space robot with flexible appendage based on simple dynamic model. , 2013, , .		9
117	Mechanical design of cylindrical track for sideways motion. , 2008, , .		8
118	Multi-robot exploration for search and rescue missions: A report of map building in RoboCupRescue 2009. , 2009, , .		8
119	Ground test of attitude control system for micro satellite RISING-2. , 2012, , .		8
120	Space Robotics. , 2014, , 541-573.		8
121	Field and Service Robotics. Springer Tracts in Advanced Robotics, 2014, , .	0.4	8
122	Development and ground evaluation of optical ground station tracking control system of microsatellite RISESAT. , 2017, , .		8
123	Repeated Impact-Based Capture of a Spinning Object by a Dual-Arm Space Robot. Frontiers in Robotics and AI, 2018, 5, 115.	3.2	8
124	Terrain-Dependent Slip Risk Prediction for Planetary Exploration Rovers. Robotica, 2021, 39, 1883-1896.	1.9	8
125	Impedance Control of Free-Flying Space Robot for Orbital Servicing. Journal of Robotics and Mechatronics, 2006, 18, 608-617.	1.0	8
126	Stability and Adaptability Analysis for Legged Robots Intended for Asteroid Exploration. , 2006, , .		7

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127	SPRITE-SAT: a Micro Satellite for Scientific Observation of Transient Luminous Events and Terrestrial Gamma-Ray Flashes. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2010, 8, Tm_7-Tm_12.	0.2	7
128	Development and field testing of UAV-based sampling devices for obtaining volcanic products. , 2014, , .		7
129	Inertia Parameter Identification of a Free-Flying Space Robot.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2002, 68, 2388-2394.	0.2	6
130	Path planning for mobile robot on rough terrain based on sparse transition cost propagation in extended elevation maps. , 2013, , .		6
131	Positioning device for outdoor mobile robots using optical sensors and lasers. Advanced Robotics, 2013, 27, 1147-1160.	1.8	6
132	Simultaneous control for end-point motion and vibration suppression of a space robot based on simple dynamic model. , 2014, , .		6
133	Development and Ground Evaluation of Fast Tracking Algorithm for Star Trackers. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2018, 16, 202-209.	0.2	6
134	Attitude Maneuvering Sequence Design of High-Precision Ground Target Tracking Control for Multispectral Earth Observations. , 2019, , .		6
135	Development and Ground Evaluation of Ground-Target Tracking Control of Microsatellite RISESAT. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2019, 17, 120-126.	0.2	6
136	Development of a Networked Robotic System for Disaster Mitigation. Springer Tracts in Advanced Robotics, 2008, , 453-462.	0.4	6
137	Space robotics research activity with Experimental Free-Floating Robot Satellite (EFFORTS) simulators. , 1994, , 561-578.		5
138	Safety path planning for mobile robot on rough terrain considering instability of attitude maneuver. , 2010, , .		5
139	Integrated experimental environment for orbital robotic systems, using ground-based and free-floating manipulators. , 2010, , .		5
140	Evaluation of influence of surface shape of locomotion mechanism on traveling performance of planetary rovers. , 2012, , .		5
141	Analysis on Motion Control Based on Reaction Null Space for Ground Grip Robot on an Asteroid. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pk_125-Pk_130.	0.2	5
142	Initial Design Characteristics, Testing and Performance Optimisation for a Lunar Exploration Micro-Rover Prototype. Advances in Astronautics Science and Technology, 2018, 1, 111-117.	0.8	5
143	Dynamic Modeling and Experimental Verification of the Pointing Technology in Balloon-Borne Telescope System for Optical Remote Sensing of Planets. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Pd_23-Pd_28.	0.2	5
144	A Novel Distributed Telerobotic System for Construction Machines Based on Modules Synchronization. , 2006, , .		4

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145	The balloon-borne telescope system for optical observation of planets. , 2010, , .		4
146	Development of leg-track hybrid locomotion to traverse loose slopes and irregular terrain. , 2010, , .		4
147	Lessons learned on structural design of 50kg micro-satellites based on three real-life micro-satellite projects. , 2012, , .		4
148	Establishment of the Ground Testing Environment for Verification and Integration of Micro-satellite. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Tf_33-Tf_38.	0.2	4
149	Measurement of stress distributions of a wheel with grousers traveling on loose soil. , 2016, , .		4
150	An overview of VHF lightning observations by digital interferometry from ISS/JEM-GLIMS. Earth, Planets and Space, 2016, 68, .	2.5	4
151	Soil flow analysis for grouser wheels based on a particle image velocimetry method. Journal of Terramechanics, 2020, 91, 233-241.	3.1	4
152	Tumbling and Hopping Locomotion Control for a Minor Body Exploration Robot. , 2020, , .		4
153	æœˆæƒ‘æ¯ŸæŽ¢æŸ»ãƒãƒœãƒƒãƒˆâ®ç”©ç©¶é–‹ç™ºã«ãŠã‘ã‚‹è²¢çŒ®â€”è¡°è¡œåŽŸå› ã®è¦¦æ˜Žâ€”. Journal of the Robotics		4
154	Highly Precise Pointing Control System on a Balloon-Borne Telescope for Optical Observations of Planets. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2010, 8, Pm_15-Pm_20.	0.2	4
155	Update on the Qualification of the Hakuto Micro-rover for the Google Lunar X-Prize. Springer Tracts in Advanced Robotics, 2016, , 313-330.	0.4	4
156	Tracked vehicle with circular cross-section to realize sideways motion. , 2009, , .		3
157	A bio-inspired compliant claw for arboreal locomotion in microgravity environments. , 2010, , .		3
158	Static closed loop test system for attitude control system of micro satellite RISING-2. , 2011, , .		3
159	Traveling performance estimation for planetary rovers over slope. , 2011, , .		3
160	Satellite-to-ground optical communication system on Low Earth Orbit micro-satellite RISESAT. , 2012, , .		3
161	System Integration of a Star Sensor for the Small Earth Observation Satellite RISING-2. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2012, 10, Td_1-Td_6.	0.2	3
162	Model-based Environment for Verification and Integration of Micro-satellites. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 230-235.	0.4	3

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163	Improvement of slope traversability for a multi-DOF tracked vehicle with active reconfiguration of its joint forms. , 2014, , .		3
164	Verification of gait control based on reaction null-space for ground-gripping robot in microgravity. , 2016, , .		3
165	Qualification of a Time-of-Flight Camera as a Hazard Detection and Avoidance Sensor for a Moon Exploration Microrover. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2018, 16, 619-627.	0.2	3
166	Adaptive Slope Locomotion with Deep Reinforcement Learning. , 2020, , .		3
167	Towards Generating Simulated Walking Motion Using Position Based Deep Reinforcement Learning. Lecture Notes in Computer Science, 2019, , 467-470.	1.3	3
168	Low-Reaction Trajectory Generation for a Legged Robot in Microgravity. , 2022, , .		3
169	Singularity-consistent teleoperation techniques for redundant free-flying robots. , 1999, , .		2
170	Improvement of the operability of a tracked vehicle on uneven terrain using autonomous control of active flippers. , 2008, , .		2
171	Trafficability analysis for lunar/planetary exploration rover using Thrust-Cornering Characteristic Diagram. , 2008, , .		2
172	A Visual Brain Chip Based on Selective Attention for Robot Vision Application. , 2009, , .		2
173	Impacts of Space Plug-and-Play Technology on Micro- and Nano-satellites. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 289-294.	0.4	2
174	Operation Results of Cubesat RAIKO Released from International Space Station. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Tf_7-Tf_12.	0.2	2
175	Teleoperation of mobile robots using hybrid communication system in unreliable radio communication environments. , 2014, , .		2
176	Experimental evaluation of gripping characteristics based on frictional theory for ground grip locomotive robot on an asteroid. , 2015, , .		2
177	Evaluation of Hovering Thrust Performance of Shrouded Rotors for Multi-rotor UAVs to Reduce Weight. , 2015, , .		2
178	Development of fast tracking algorithm using nearest neighbor star search approach. , 2016, , .		2
179	Design and Implementation of a Thermopile-Based Earth Sensor. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pf_77-Pf_81.	0.2	2
180	FUJIN-2:Balloon Borne Telescope for Optical Observation of Planets. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pk_95-Pk_102.	0.2	2

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181	Development of Reaction Wheels for Cubesats Using a Solid Lubricant Bearing. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pf_113-Pf_118.	0.2	2
182	Analysis of Soil Deformation and Wheel Traction on Loose Terrain Using PIV. , 2020, , .		2
183	In-Flight Target Pointing Calibration of the Diwata-2 Earth Observation Microsatellite. , 2021, , .		2
184	Bimodal mobility actuated by inertial forces with surface elastic bodies in microgravity. Robotica, 2022, 40, 294-315.	1.9	2
185	SegVisRL: development of a robot's neural visuomotor and planning system for lunar exploration. Advanced Robotics, 2021, 35, 1359-1373.	1.8	2
186	ClimbLab: MATLAB Simulation Platform for Legged Climbing Robotics. Lecture Notes in Networks and Systems, 2022, , 229-241.	0.7	2
187	Influence of Control Time Delay on the Dynamics of Satellite Capture. Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan, 2009, 7, Pf_29-Pf_34.	0.2	2
188	Sprites identification and their spatial distributions in JEM-GLIMS nadir observations. Terrestrial, Atmospheric and Oceanic Sciences, 2017, 28, 545-561.	0.6	2
189	Dynamic simulation of an articulated off-road vehicle. , 1998, , .		1
190	Touch down simulation of the MUSES-C satellite for asteroid sampling. , 1998, , .		1
191	Sensing position planning for lunar exploration rovers. , 2008, , .		1
192	Connected tracked robot with offset joint mechanism for multiple configurations. , 2010, , .		1
193	Influence evaluation of wheel surface profile on traversability of planetary rovers. , 2010, , .		1
194	Development and evaluation of autonomous mobile manipulator for large scale outdoor environment. , 2011, , .		1
195	Editorial: special issue on space robotics. Intelligent Service Robotics, 2011, 4, 1-1.	2.6	1
196	The pointing control method of balloon-borne telescope compensating the motion of flexible base. , 2012, , .		1
197	Contact Dynamics Modeling for Snare Wire Type of End Effector in Capture Operation. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2012, 10, Pd_77-Pd_84.	0.2	1
198	The Evaluation Tests of the Attitude Control System of the 50-kg Micro Satellite RISING-2. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2012, 10, Td_11-Td_16.	0.2	1

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199	Measurement method for two-dimensional normal stress distribution of wheels on lateral loose soil slopes. , 2014, , .		1
200	Study of How To Sense Slippage by Motor-Tractive-Currents for Odometry of Tracked Vehicles. Journal of the Robotics Society of Japan, 2015, 33, 433-440.	0.1	1
201	Navigation system for a small size lunar exploration rover with a monocular omnidirectional camera. Proceedings of SPIE, 2016, , .	0.8	1
202	Low-Cost Simulation and Verification Environment for Micro-Satellites. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pf_83-Pf_88.	0.2	1
203	Improvement of Star Sensor in Generic Test Environment. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pf_97-Pf_103.	0.2	1
204	Commercial Uncooled Microbolometer Camera Applied to 50-kg Class Satellite. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 332-336.	3.1	1
205	PPMC Training Algorithm: A Deep Learning Based Path Planner and Motion Controller. , 2020, , .		1
206	Analysis of soil flow and traction mechanics for lunar rovers over different types of soils using particle image velocimetry. Journal of Terramechanics, 2021, 95, 89-100.	3.1	1
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