

# Shunichi Nozawa

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

418  
citations

1937685

4  
h-index

1872680

6  
g-index

39  
all docs

39  
docs citations

39  
times ranked

258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of life-sized high-power humanoid robot JAXON for real-world use. , 2015, , .		95
2	Whole-body pushing manipulation with contact posture planning of large and heavy object for humanoid robot. , 2015, , .		37
3	Development of life-sized humanoid robot platform with robustness for falling down, long time working and error occurrence. , 2017, , .		29
4	Manipulation strategy decision and execution based on strategy proving operation for carrying large and heavy objects. , 2014, , .		24
5	System integration of a daily assistive robot and its application to tidying and cleaning rooms. , 2010, , .		23
6	High Speed Whole Body Dynamic Motion Experiment with Real Time Master-Slave Humanoid Robot System. , 2018, , .		23
7	Development of humanoid robot system for disaster response through team NEDO-JSK's approach to DARPA Robotics Challenge Finals. , 2015, , .		17
8	Global planning of whole-body manipulation by humanoid robot based on transition graph of object motion and contact switching. Advanced Robotics, 2017, 31, 322-340.	1.8	16
9	Bipedal oriented whole body master-slave system for dynamic secured locomotion with LIP safety constraints. , 2017, , .		15
10	Biped humanoid navigation system supervised through interruptible user-interface with asynchronous vision and foot sensor monitoring. , 2014, , .		14
11	Multi-layered real-time controllers for humanoid's manipulation and locomotion tasks with emergency stop. , 2015, , .		14
12	Shuffle motion for humanoid robot by sole load distribution and foot force control. , 2015, , .		13
13	Achievement of dynamic tennis swing motion by offline motion planning and online trajectory modification based on optimization with a humanoid robot. , 2016, , .		12
14	Whole body joint load reduction control for high-load tasks of humanoid robot through adapting joint torque limitation based on online joint temperature estimation. , 2014, , .		8
15	Online master-slave footstep control for dynamical human-robot synchronization with wearable sole sensor. , 2016, , .		8
16	Development of a full body multi-axis soft tactile sensor suit for life sized humanoid robot and an algorithm to detect contact states. , 2012, , .		6
17	Implementation of a robot-human object handover controller on a compliant underactuated hand using joint position error measurements for grip force and load force estimations. , 2014, , .		6
18	Contact involving whole-body behavior generation based on contact transition strategies switching. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
19	Achievement of recognition guided teleoperation driving system for humanoid robots with vehicle path estimation. , 2015, , .		6
20	Achievement of localization system for humanoid robots with virtual horizontal scan relative to improved odometry fusing internal sensors and visual information. , 2016, , .		6
21	Rotational Sliding Motion Generation for Humanoid Robot by Force Distribution in Each Contact Face. IEEE Robotics and Automation Letters, 2017, 2, 2088-2095.	5.1	6
22	Achievement of Pivoting Large and Heavy Objects by Life-sized Humanoid Robot based on Online Estimation Control Method of Object State and Manipulation Force. Journal of the Robotics Society of Japan, 2014, 32, 595-602.	0.1	6
23	Simultaneous Planning and Estimation Based on Physics Reasoning in Robot Manipulation. , 2018, , .		5
24	Tidying and Cleaning Rooms using a Daily Assistive Robot - An Integrated System for Doing Chores in the Real World -. Paladyn, 2010, 1, .	2.7	4
25	Transformable semantic map based navigation using autonomous deep learning object segmentation. , 2016, , .		4
26	Assistive system research for creative life management on robotics and home economics. , 2013, , .		3
27	Tool force adaptation in soil-digging task for humanoid robot. , 2017, , .		3
28	Manipulation strategy learning for carrying large objects based on mapping from object physical property to object manipulation action in virtual environment. , 2014, , .		2
29	Development of High-Speed and High-Power Humanoid Research Platform JAXON. Journal of the Robotics Society of Japan, 2016, 34, 458-467.	0.1	2
30	Creating socially acceptable robots: Learning grasp configurations for object handovers from demonstrations. , 2013, , .		1
31	Evaluation-controlling mechanism of perception, planning, and execution for a life-sized humanoid robot. , 2016, , .		1
32	Whole-body Pushing Manipulation of Large and Heavy Objects by Life-sized Humanoid based on Contact Posture Planning and Online Footstep Modification. Journal of the Robotics Society of Japan, 2016, 34, 448-457.	0.1	1
33	Tricycle Manipulation by Arms and Legs of Humanoid Robot based on Active and Passive Switching Control System. Journal of the Robotics Society of Japan, 2016, 34, 468-477.	0.1	1
34	Speed governing behavior on parallel two-wheeled electric scooter by life-sized humanoid robot based on learning control with online tuning for PID gain during control. Transactions of the JSME (in Japanese), 2018, 84, 18-00032-18-00032.	0.2	1
35	Redundancy embedding for search space reduction using deep auto-encoder: Application to collision-free posture generation. , 2016, , .		0
36	Coarse-to-fine Humanoid Motion Planning Using COM Feasible Region and Achievement of Humanoids Ladder Climbing and Transition. Journal of the Robotics Society of Japan, 2018, 36, 66-77.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Contact-motion Planning Integrating Multiple Contact Transition Strategies and its Application to Slide Contact Motion for Humanoid Robot. Journal of the Robotics Society of Japan, 2017, 35, 393-402.	0.1	0
38	Development of Life-Sized Humanoid Robot Platform (RHP2) with Tough Contact Point for Continuing to Perform After Falls. Journal of the Robotics Society of Japan, 2018, 36, 703-712.	0.1	0
39	Development of Waterproof Suit for Life-sized Humanoid and Walking Control in Water using Online Buoyancy Estimation and Footstep Modification. Journal of the Robotics Society of Japan, 2019, 37, 427-437.	0.1	0