

# Hiroshi Kaminaga

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6361942/publications.pdf>

Version: 2024-02-01

32  
papers

505  
citations

1307594

7  
h-index

1474206

9  
g-index

32  
all docs

32  
docs citations

32  
times ranked

330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Humanoid Robot HRP-5P: An Electrically Actuated Humanoid Robot With High-Power and Wide-Range Joints. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 1431-1438.	5.1	100
2	Development of backdrivable hydraulic joint mechanism for knee joint of humanoid robots. , 2009, , .		50
3	Cr-N alloy thin-film based torque sensors and joint torque servo systems for compliant robot control. , 2013, , .		48
4	High-fidelity joint drive system by torque feedback control using high precision linear encoder. , 2010, , .		41
5	Backdrivability analysis of Electro-Hydrostatic Actuator and series dissipative actuation model. , 2010, , .		34
6	Mechanism and Control of Whole-Body Electro-Hydrostatic Actuator Driven Humanoid Robot Hydra. <i>Springer Proceedings in Advanced Robotics</i> , 2017, , 656-665.	1.3	23
7	Development of high-power and backdrivable linear electro-hydrostatic actuator. , 2014, , .		21
8	Evaluations on contribution of backdrivability and force measurement performance on force sensitivity of actuators. , 2013, , .		17
9	Low-friction tendon-driven robot hand with carpal tunnel mechanism in the palm by optimal 3D allocation of pulleys. , 2014, , .		17
10	Key design parameters of a few types of electro-hydrostatic actuators for humanoid robots. <i>Advanced Robotics</i> , 2018, 32, 1241-1252.	1.8	15
11	Robust Nonlinear Control of Parametric Uncertain Systems With Unknown Friction and Its Application to a Pneumatic Control Valve. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2000, 122, 257-262.	1.6	13
12	Current-pressure-position triple-loop feedback control of electro-hydrostatic actuators for humanoid robots. <i>Advanced Robotics</i> , 2018, 32, 1269-1284.	1.8	12
13	Electro-hydrostatic actuators with Series Dissipative property and their application to power assist devices. , 2010, , .		11
14	One-hand drive-type power-assisted wheelchair with a direction control device using pneumatic pressure. <i>Advanced Robotics</i> , 2002, 16, 773-784.	1.8	10
15	Backdrivable miniature hydrostatic transmission for actuation of anthropomorphic robot hands. , 2007, , .		10
16	Enhancement of mechanical strength, computational power, and heat management for fieldwork humanoid robots. , 2016, , .		10
17	A robot hand driven by hydraulic cluster actuators. , 2014, , .		9
18	Anthropomorphic robot hand with hydrostatic cluster actuator and detachable passive wire mechanism. , 2009, , .		8

#	ARTICLE	IF	CITATIONS
19	Measurement crosstalk elimination of torque encoder using selectively compliant suspension. , 2011, , .		8
20	Perception Based Locomotion System for a Humanoid Robot with Adaptive Footstep Compensation under Task Constraints. , 2018, , .		8
21	Design of an ankle-knee joint system of a humanoid robot with a linear electro-hydrostatic actuator driven parallel ankle mechanism and redundant biarticular actuators. , 2013, , .		7
22	Toward Industrialization of Humanoid Robots: Autonomous Plasterboard Installation to Improve Safety and Efficiency. IEEE Robotics and Automation Magazine, 2019, 26, 20-29.	2.0	7
23	Development of 3-DOF wrist mechanism for electro-hydrostatically driven robot arm. Advanced Robotics, 2020, 34, 958-973.	1.8	7
24	A method of single camera robocup humanoid robot localization using cooperation with walking control. , 2008, , .		6
25	Pressure Feedback Control Based on Singular Perturbation Method of an Electro-Hydrostatic Actuator for an Exoskeletal Power-Assist System. Journal of Robotics and Mechatronics, 2012, 24, 354-362.	1.0	6
26	Kinematic optimization and online adaptation of swing foot trajectory for biped locomotion. , 2012, , .		3
27	Screw pump for Electro-Hydrostatic Actuator that enhances backdrivability. , 2011, , .		2
28	Viscous pump for highly backdrivable Electro-Hydrostatic Actuator. , 2012, , .		1
29	Wire Driven Multi-fingered Hand. , 2017, , 1-23.		1
30	Redundant Strain Measurement of Link Structures for Improved Stability of Light Weight Torque Controlled Robots. , 2018, , .		0
31	Wire Driven Multi-fingered Hand. , 2019, , 457-479.		0
32	Control of Humanoid Robots and Actuators. Journal of the Robotics Society of Japan, 2018, 36, 128-133.	0.1	0