

Atsushi Kakogawa

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

344
citations

1684188

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1720034

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26
all docs

26
docs citations

26
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a multilink-articulated wheeled pipeline inspection robot using only passive elastic joints. <i>Advanced Robotics</i> , 2018, 32, 37-50.	1.8	46
2	Mobility of an in-pipe robot with screw drive mechanism inside curved pipes. , 2010, , .		36
3	Stiffness Design of Springs for a Screw Drive In-Pipe Robot to Pass through Curved Pipes and Vertical Straight Pipes. <i>Advanced Robotics</i> , 2012, 26, 253-276.	1.8	33
4	Designing arm length of a screw drive in-pipe robot for climbing vertically positioned bent pipes. <i>Robotica</i> , 2016, 34, 306-327.	1.9	31
5	Stiffness Design of a Resonance-Based Planar Snake Robot With Parallel Elastic Actuators. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 1284-1291.	5.1	24
6	Pathway selection mechanism of a screw drive in-pipe robot in T-branches. , 2012, , .		22
7	Design of a multilink-articulated wheeled inspection robot for winding pipelines: AIRo-II. , 2016, , .		22
8	Underactuated modular finger with pull-in mechanism for a robotic gripper. , 2016, , .		21
9	An in-pipe robot with underactuated parallelogram crawler modules. , 2014, , .		20
10	Multi-link Articulated Wheeled In-pipe Robot with Underactuated Twisting Joints. , 2018, , .		16
11	An In-pipe Inspection Module with an Omnidirectional Bent-pipe Self-adaptation Mechanism using a Joint Torque Control. , 2019, , .		15
12	Plate-Springed Parallel Elastic Actuator for Efficient Snake Robot Movement. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 3051-3063.	5.8	12
13	A Differential Elastic Joint for Multi-linked Pipeline Inspection Robots. , 2018, , .		10
14	Development of an underactuated robot gripper capable of retracting motion. , 2012, , .		6
15	Design of an underactuated parallelogram crawler module for an in-pipe robot. , 2013, , .		6
16	Development of a suction cup with a disc spring. , 2013, , .		5
17	Experimental verification of analytical torques enabling a screw drive in-pipe robot to pass through bent pipes. , 2011, , .		4
18	Stopper Angle Design for a Multi-link Articulated Wheeled In-pipe Robot with Underactuated Twisting Joints. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Joint Angle Control of an 8-inch Gas Pipeline Inspection Robot to Pass through Bends. , 2019, , .		4
20	Speed analysis for three driving modules of an in-pipe inspection robots for passing through bent pipes. , 2014, , .		2
21	Sensor-Less and Control-Less Underactuated Grippers With Pull-In Mechanisms for Grasping Various Objects. Frontiers in Robotics and AI, 2021, 8, 631242.	3.2	2
22	Control technique of a V-shaped in-pipe robot composed of two underactuated roll-pitch joints. Advanced Robotics, 2022, 36, 205-216.	1.8	2
23	Plate Springed Parallel Elastic Actuators for Efficient Movement of a Planar Snake Robot. , 2019, , .		1
24	Development of a spring-suspended suction cup based on snap-through buckling. Transactions of the JSME (in Japanese), 2017, 83, 16-00372-16-00372.	0.2	0
25	Suppression of Energy Consumption for Snake Robots using Parallel Elastic Actuators during Low Speed Movement. Transactions of the Institute of Systems Control and Information Engineers, 2019, 32, 227-233.	0.1	0
26	A Highly Backdrivable Robotic Arm using Low Friction and High Accuracy Cycloidal Geared Motors: ALFHA. , 2022, , .		0