List of Publications by Year in descending order

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Τλρο Νλκλμιρλ

#	Article	IF	CITATIONS
1	Evaluation of Optimal Cleaning Tools for the Development of a Cleaning Robot for Grease from Ventilation Ducts. Lecture Notes in Networks and Systems, 2022, , 348-356.	0.5	5
2	Residual Water Removal Mechanism for Obtaining Clear Images with Sewer Pipe Inspection Robot. Lecture Notes in Networks and Systems, 2022, , 143-153.	0.5	1
3	Horizontal Drilling with Seabed Robotic Explorer. Lecture Notes in Networks and Systems, 2022, , 329-336.	O.5	0
4	Development of Variable Viscoelastic Joint Module Performance Evaluation and Proposal of Application Examples. Actuators, 2022, 11, 89.	1.2	0
5	Peristaltic Mixing Pump Based on Bowel Peristalsis Using Pneumatic Artificial Rubber Muscles and Prospects for Practical Applications. Journal of Robotics and Mechatronics, 2022, 34, 276-278.	0.5	3
6	Peristaltic Mobile Robot Based on Earthworm and Its Practical Application. Journal of the Robotics Society of Japan, 2022, 40, 304-309.	0.0	0
7	Development of Front-Actuation-Type Excavating Unit for Lunar Excavating Exploration Robot "LEAVO― Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2021, 19, 211-216.	0.1	0
8	Packaging of Mixed Materials in Peristaltic Mixer for Solid Propellant Production. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2021, 19, 205-210.	0.1	2
9	Development of a Wearable Four-Degrees-of-Freedom Force Feedback Device with a Clutch Mechanism Using Artificial Muscle Contraction. , 2021, , .		4
10	Verification of the "AB-Wear" Semi-Exoskeleton-Type Power-Assist Suit in Providing Assistance to the Lower Back. , 2021, , .		2
11	Detection of Rust from Images in Pipes Using Deep Learning. , 2021, , .		1
12	Instantaneous Force Generation Mechanism Based on the Striking Motion of Mantis Shrimp-Analytical and Experimental Verification of the Increase in Instantaneous Force Using Exoskeleton Spring Mechanism. IEEE Robotics and Automation Letters, 2021, 6, 6678-6685.	3.3	3
13	Wave Propagation Type Pipe Inspection Robot with the Linear Antagonistic Mechanism for Enhancing Traction Force. Journal of the Robotics Society of Japan, 2021, 39, 665-668.	0.0	1
14	Development of an Exoskeleton-Type Assist Suit Utilizing Variable Stiffness Control Devices Based on Human Joint Characteristics. Actuators, 2021, 10, 17.	1.2	10
15	Development of a Compact Pneumatic Valve Using Rotational Motion for a Pneumatically Driven Mobile Robot With Periodic Motion in a Pipe. IEEE Access, 2021, 9, 165271-165285.	2.6	4
16	Evaluation of Viscous Properties of Joint Modules with Variable Viscoelastic Properties. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 2P2-G03.	0.0	0
17	Verification of Training Effects Using Wearable Variable Viscoelastic Joints. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 2P2-E05.	0.0	0
18	A Study on Horizontal Drilling with Seabed Robotic Explorer. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 1A1-B14.	0.0	0

#	Article	IF	CITATIONS
19	Development of strain sensors based on conductive paste for soft actuators. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 2P1-E05.	0.0	ο
20	Improving the Accuracy of Mixture Estimation in Peristaltic Continuous Mixing Conveyor Simulating Intestines with Distributed Sensing System. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 2P2-G01.	0.0	0
21	Application consideration of the peristaltic conveyance system to space toilet. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 2A1-B06.	0.0	Ο
22	Application of a force feedback method using air jetting to hand position guidance. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 1A1-H02.	0.0	0
23	Motion Analysis for Body Load Estimation in LP Gas Delivery. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 2P2-110.	0.0	0
24	Development of a Bimanual Wearable Force Feedback Device Composed of Pneumatic Artificial Muscles and Magnetorheological Fluid Brakes. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2021, 2021, 1A1-H04.	0.0	1
25	Estimating deformation of pipe from its internal image. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2021, 2021.7, GS8-5.	0.0	Ο
26	Double-elbow pipe inspection test using wave propagation type pipe inspection robot. The Proceedings of Mechanical Engineering Congress Japan, 2021, 2021, S151-11.	0.0	0
27	Application of Magnetic Smart Fluids to Bio-robotics. Nihon AEM Gakkaishi, 2021, 29, 629-634.	0.0	0
28	Overhead Work Assist with Passive Gravity Compensation Mechanism and Horizontal Link Mechanism for Agriculture. , 2020, , .		1
29	Influence of vertical acceleration for inducing sensation of dropping by lower limb force feedback device. , 2020, , .		4
30	Variable Viscoelastic Joint Module with Built-in Pneumatic Power Source. , 2020, , .		0
31	Soil Transportation by Peristaltic Movement-Type Pump Inspired from the Lubrication System of the Large Intestine and Ceramic Art. , 2020, , .		2
32	Proposal for Pipeline-Shape Measurement Method Based on Highly Accurate Pipeline Length Measurement by IMU Sensor Using Peristaltic Motion Characteristics. , 2020, , .		6
33	Effect of penetration force on drilling efficiency for seabed drilling robot. , 2020, , .		1
34	Wearable Air-Jet Force Feedback Device without Exoskeletal Structure and Its Application to Elastic Ball Rendering. , 2020, , .		3
35	Dielectric elastomer actuator that can be deformed without pre-stretching and its application to flexible wave-generating device. , 2020, , .		0
36	Proposal for 3D-printed pneumatic artificial muscles -Effect of leaf spring stiffness on contraction amount and contraction force , 2020, , .		0

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37	Actuatable Flexible Large Structure Using a Laminated Foam-based Soft Actuator. , 2020, , .		5
38	Clay Drilling Performance of Seabed Robotic Explorer Using Peristaltic Motion. , 2020, , .		1
39	Grasp efficient powder transport performance of peristaltic motion type conveyor based on soft actuation. , 2020, , .		2
40	Mixing State Estimation of Peristaltic Continuous Mixing Conveyor with Distributed Sensing System Based on Soft Intestine Motion. , 2020, , .		8
41	Soil Discharging Mechanism Utilizing Water Jetting to Improve Excavation Depth for Seabed Drilling Explorer. IEEE Access, 2020, 8, 28560-28570.	2.6	11
42	Content Detection for Continuous and Efficient Production of Solid Rocket Fuel by Peristaltic Mixer. , 2020, , .		8
43	Fundamental characteristics for rendering elasticity of a force feedback method using elastic spring and magneto-rheological fluid clutch. , 2020, , .		0
44	Noninflatable Pneumatic Artificial Muscle Requiring Low Space and Consumption Flow Rate. , 2020, , .		1
45	TasKi: Overhead Work Assistance Device with Passive Gravity Compensation Mechanism. Journal of Robotics and Mechatronics, 2020, 32, 138-148.	0.5	7
46	Proposal of Motion Judgment Algorithm Based on Joint Angle of Variable Elastic Assist Suit with High Back Drivability. Journal of Robotics and Mechatronics, 2020, 32, 863-875.	0.5	4
47	Development of Assist Suit for Squat Lifting Support Considering Gait and Quantitative Evaluation by Three-Dimensional Motion Analysis. Journal of Robotics and Mechatronics, 2020, 32, 209-219.	0.5	9
48	Compact Rotary Valve Mechanism for Pneumatic Mobile Robot with Periodic Air Supplying. Journal of the Robotics Society of Japan, 2020, 38, 965-974.	0.0	1
49	Application of wearable force feed back device using air jet to VR. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2020, 2020, 2A1-P05.	0.0	Ο
50	Development of bending unit using dielectric elastomer actuator which is able to deform without pre-stretch. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2020, 2020, 1A1-J02.	0.0	0
51	Two-degree-of-freedom pipe selection mechanism using contraction and extension unit composed of single tube and its application to a gas pipe inspection robot. Transactions of the JSME (in Japanese), 2020, 86, 20-00052-20-00052.	0.1	Ο
52	Development of a locomotion robot using deformable dielectric elastomer actuator without pre-stretch. , 2020, , .		6
53	Path restriction and speed regulation via force feedback-type welding teaching device using magnetorheological brakes. Smart Materials and Structures, 2020, 29, 104001.	1.8	2
54	Straight-Fiber-Type Artificial Muscle Deformation Under Pressurization. IEEE Robotics and Automation Letters, 2019, 4, 2592-2598.	3.3	9

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55	Study on Drilling Resistance Reduction of a Seafloor Robotic Explorer Based on the Drilling Properties of Underwater Ground. , 2019, , .		4
56	Development of Underwater Drilling Robot Based on Earthworm Locomotion. IEEE Access, 2019, 7, 103127-103141.	2.6	33
57	Proposed Pneumatic Artificial Skin Muscle that Provides Assistance in Daily Activities. , 2019, , .		1
58	Delta-type four-DOF force-feedback device composed of pneumatic artificial muscles and magnetorheological clutch and its application to lid opening. Smart Materials and Structures, 2019, 28, 064003.	1.8	17
59	Soil transport experiment with a multi-unit peristaltic transport machine for compact automatic transportation of excavated soil. , 2019, , .		5
60	Deformation Measurement of Dielectric Elastomer using Slide Ring Material on a 2-D Plane. , 2019, , .		3
61	Variable viscoelasticity handshake manipulator for physical human–robot interaction using artificial muscle and MR brake. Smart Materials and Structures, 2019, 28, 064002.	1.8	7
62	Assistive method that controls joint stiffness and antagonized angle based on human joint stiffness characteristics and its application to an exoskeleton. , 2019, , .		2
63	Laminated foam-based soft actuator for actuatable flexible structure. , 2019, , .		4
64	Rendering friction and viscosity using a wearable 4 degrees of freedom force feedback device with magnetorheological fluid clutches and pneumatic artificial muscles. , 2019, , .		4
65	Development of Negative Pressure Adsorption Type Traveling-wave Wall-climbing Robot for Aircraft Inspection and Running Experiment. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 59-67.	0.1	0
66	Proposal of a Peristaltic Motion Type Duct Cleaning Robot for Traveling in a Flexible Pipe. , 2019, , .		15
67	Research of human-robot handshakes under variable stiffness conditions. , 2019, , .		2
68	Prolonging the fatigue life of the Straight fiber type pneumatic artificial muscle by the strain-induced crystallization of Natural rubber. Transactions of the Japan Fluid Power System Society, 2019, 50, 46-52.	0.4	0
69	Evaluation Experiment of Squat Motion With Variable Viscoelastic Assistive Suit "Airsist Iâ€. IFAC-PapersOnLine, 2019, 52, 73-77.	0.5	3
70	Three-dimensional Mapping of Pipeline from Inside Images Using Earthworm Robot Equipped with Camera. IFAC-PapersOnLine, 2019, 52, 87-90.	0.5	7
71	Path rendering and velocity restriction with welding-assisting device composed of magnetorheological brakes. IFAC-PapersOnLine, 2019, 52, 108-111.	0.5	0

72 Proposal of Passive Type Power Assist Suit for Squat Lifting Considering Walking*., 2019,,.

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73	Development of a Peristaltic-Movement Duct-Cleaning Robot for Application to Actual Environment - Examination of Brush Type and Installation Method to Improve Cleaning Efficiency –. Journal of Robotics and Mechatronics, 2019, 31, 781-793.	0.5	2
74	Development of deep vein thrombosis (DVT) prevention device The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2019, 2P1-C09.	0.0	0
75	Proposal of lower limb power assist suit for Squat Lifting considering walking. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2019, 1A1-I02.	0.0	0
76	Soft Robotics in the Field of Wearable Assistive Device. Journal of the Robotics Society of Japan, 2019, 37, 34-37.	0.0	1
77	Development of Seafloor Drilling Robot based on Earthworm Locomotion. Journal of the Robotics Society of Japan, 2019, 37, 330-340.	0.0	0
78	Research on sensing of artificial muscle with wire piezoelectric sensor. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2019, 1P2-K02.	0.0	0
79	Road Ability of In-pipe Mobile Robot Equipped with Flexible Brush Wheel. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 692-699.	0.1	0
80	哿³¢æ•°ç‰¹æ€§ã®ç•°ãªã,‹ä,‰ç¨®ã®ã,¢ã,⁻ãƒãƒ¥ã,ïーã,¿ã,`用ã,ãŸåŠ›è§¦è¦šæç¤āƒ‡ãƒã,ã,¹ã®é–‹ç™º. The Pı 2A1-T08.	oceedings	of JSME Ann
81	Proposal of the interaction force measuring device for human handshakes. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2019, 2P1-K09.	0.0	0
82	Strain-induced crystallization to prolong the lifetime of pneumatic artificial muscles. , 2019, , .		1
83	Measurement of strain distribution of dielectric elastomer actuator with plural pairs of electrodes via the image correlation method. , 2019, , .		1
84	Morphological change in peristaltic crawling motion of a narrow pipe inspection robot inspired by earthworm's locomotion. Advanced Robotics, 2018, 32, 386-397.	1.1	41
85	Hybrid Pneumatic Source Based on Evaluation of Air Compression Methods for Portability. IEEE Robotics and Automation Letters, 2018, 3, 819-826.	3.3	18
86	Fundamental characteristic of novel actuation system with variable viscoelastic joints and magneto-rheological clutches for human assistance. Journal of Intelligent Material Systems and Structures, 2018, 29, 82-90.	1.4	19
87	Study of an Automatic Material Input Method for the Continuous Production of Solid Propellant by a Peristaltic Mixer. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2018, 16, 662-667.	0.1	4
88	Development of High-Speed Type Peristaltic Crawling Robot for Long-Distance and Complex-Line Sewer Pipe Inspection. , 2018, , .		18
89	Underwater Excavation by Excavation Robot Equipped with Propulsion Unit Based on Earthworm Setae. , 2018, , .		8
90	Blade-Type Crawler Capable of Running on the Surface of Water as Bio-Inspired by a Basilisk Lizard. , 2018, , .		5

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91	Development of Assistive Device with Variable Viscoelastic Joint. Journal of the Robotics Society of Japan, 2018, 36, 567-575.	0.0	2
92	Proposal of One-inch Pipe Inspection Robot "PI-RO l― , 2018, , .		9
93	Considering Mixing Process of Rocket Solid Propellant Using Mixing Transport Device Simulating Peristaltic Movement of Intestinal Tract. , 2018, , .		13
94	GerWalk: Lightweight Mobile Robot with Buoyant Balloon Body and Bamboo Rimless Wheel. , 2018, , .		7
95	Hollow Pneumatic Artificial Muscles with Air Cylinder: Improvement for compatibility of high durability and high efficiency. , 2018, , .		2
96	Soil Transport Experiment by Peristaltic Transport Machine for Compact Automatic Transportation System of Excavated Soil. , 2018, , .		1
97	Proposal of Non-rotating Joint Drive Type Mechanical Assist Device for Squat Lifting by Using Leaf and Compression Spring. , 2018, , .		2
98	An Exoskeleton Type 4-DOF Force Feedback Device Using Magnetorheological Fluid Clutches and Artificial Muscles. , 2018, , .		8
99	Development of Contraction Force Control System of Peristaltic Crawling Robot for Sewer Pipe Inspection. , 2018, , .		10
100	Water Jetting Excavation and Consideration of Earth Auger Shape to Reduce Drilling Torque for Seabed Robotic Explorer. , 2018, , .		8
101	Triangular cross-section peristaltic conveyor for transporting powders at high speed in printers. Advanced Robotics, 2018, 32, 646-658.	1.1	8
102	Novel feedforward controller for straight-fiber-type artificial muscle based on an experimental identification model. , 2018, , .		12
103	Prolonging the lifetime of straight-fiber-type pneumatic rubber artificial muscle by shape consideration and material development. , 2018, , .		12
104	Evaluation experiment of a variable elastic antagonistic joint with the feedforward controller of a straight-fiber-type artificial muscle based on the experimental identification model. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2018, 2018, 2A2-G14.	0.0	1
105	Deformation characteristic of the axially fiber reinforced cylindrical rubber subjected to inner pressure. Transactions of the JSME (in Japanese), 2018, 84, 18-00351-18-00351.	0.1	1
106	Improvement for Compatibility of High Durability and High Efficiency of Straight-fiber-type Pneumatic Artificial Muscle. Transactions of the Society of Instrument and Control Engineers, 2018, 54, 557-563.	0.1	0
107	Development of Hybrid Pneumatic Power Source based on Gas Compressing Methods Evaluation. Journal of the Robotics Society of Japan, 2018, 36, 233-241.	0.0	0
108	Tubular Peristalsis Conveyor for High-speed Powder Conveyance. Transactions of the Society of Instrument and Control Engineers, 2018, 54, 2-8.	0.1	0

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109	Proposal of Non-Rotating Joint Drive Type Power Assist Suit for Lower Limbs Considering Squat Lifting. Journal of Robotics and Mechatronics, 2018, 30, 752-761.	0.5	6
110	Throwing motion with instantaneous force using a variable viscoelastic joint manipulator. Journal of Intelligent Material Systems and Structures, 2017, 28, 999-1009.	1.4	3
111	Proposing an adhesion unit for a traveling-wave-type, omnidirectional wall-climbing robot in airplane body inspection applications. , 2017, , .		12
112	Semi-endoskeleton-type waist assist AB-wear suit equipped with compressive force reduction mechanism. , 2017, , .		28
113	Development of non-rotating joint drive type gastrocnemius-reinforcing power assist suit for squat lifting. , 2017, , .		6
114	Blade-type crawler vehicle with gyro wheel for stably traversing uneven terrain at high speed. , 2017, ,		1
115	Study on peristaltic continuous mixing conveyor for composite propellant slurry mixing. Transactions of the JSME (in Japanese), 2017, 83, 16-00576-16-00576.	0.1	1
116	Experimental Verification of the Hill-climbing Performance of Blade-Type Crawler for High-speed Rough-terrain. Journal of the Robotics Society of Japan, 2017, 35, 153-159.	0.0	1
117	Development and Verification of Effective Motion Assistance of Endoskeleton-Type Power Assist Suit Using Pneumatic Actuators considering Shape of Waist. Journal of the Robotics Society of Japan, 2017, 35, 70-77.	0.0	0
118	Proposal of non-rotating joint drive type high output power assist suit for squat lifting. , 2017, , .		1
119	A pneumatic power source using a sodium bicarbonate and citric acid reaction with pressure booster for use in mobile devices. , 2017, , .		14
120	Variable viscoelastic joint system and its application to exoskeleton. , 2017, , .		22
121	Proposal of a fixation method for wearable assistive systems using jamming transition and the expansion of an elastic bag. , 2017, , .		1
122	Investigation of odometry method of pipe line shape by peristaltic crawling robot combined with inner sensor. , 2017, , .		5
123	Soil-Circulating System for a Peristaltic-Type Lunar Excavation Robot. Journal of the Robotics Society of Japan, 2017, 35, 230-238.	0.0	2
124	Verification of Effective Assistance by Endoskeleton-type Power Assist Suit based on Musculoskeletal Simulation. Journal of the Robotics Society of Japan, 2017, 35, 557-565.	0.0	1
125	Proposal of Portable Pneumatic Power Source Using Chemical Reaction of Sodium Bicarbonate and Citric Acid with Small Sized Pressure Boster. Transactions of the Japan Fluid Power System Society, 2017, 48, 17-23.	0.4	0
126	Evaluation of air compressing method aimed for development of portable pneumatic power source. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2017, 2017, 2P1-D02.	0.0	2

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127	TasKi : Under-trellis Work Assistance Device by Using Weight Compensation Mechanism. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2017, 2017, 1A1-B02.	0.0	2
128	BOTH-END SUPPORTED EARTH AUGER FOR A BENDING EXCAVATION OF PERISTALTIC-TYPE LUNAR EXCAVATION ROBOT. , 2017, , .		0
129	DEVELOPMENT OF A PERISTALTIC CRAWLING ROBOT FOR PRACTICAL USE AND FIELD EXPERIMENT EVALUATION. , 2017, , .		0
130	DEVELOPMENT OF A FLEXIBLE PROPULSION UNIT FOR A SEABED EXCAVATION ROBOT. , 2017, , .		2
131	DEVELOPMENT OF NEGATIVE PRESSURE SUCTION MECHANISM IN OMNIDIRECTIONAL WALL-CLIMBING ROBOT FOR INSPECTION OF AIRPLANES. , 2016, , 106-114.		5
132	Development of a 1-DOF wearable force feedback device with soft actuators and comparative evaluation of the actual objects and virtual objects in the AR space. , 2016, , .		3
133	The verification of permissible resistant torque considering back-drivability to develop a wearable assist suit. , 2016, , .		5
134	1st prototype of a variable viscoelastic joint system with a clutch composed of pneumtic air muscle and magneto rheological brake. , 2016, , .		10
135	Development of a lightweight power-assist suit using pneumatic artificial muscles and balloon-amplification mechanism. , 2016, , .		8
136	Vertical jumping motion simulation with consideration for landing using a monopedal robot with artificial muscles and magnetorheological brakes. , 2016, , .		2
137	Force feedback device with pneumatic artificial muscles and magnetorheological clutches. , 2016, , .		2
138	Blade-type crawler vehicle with wings in ground effect for traversing uneven terrain at high speed. , 2016, , .		2
139	Development of endoskeleton type knee auxiliary power assist suit using pneumatic artificial muscles. , 2016, , .		10
140	Portability and antagonistic stiffness control for an shape memory alloy artificial muscle actuator protected by a rolled film tube. , 2016, , .		3
141	Development of a peristaltic crawling robot for long-distance complex line sewer pipe inspections. , 2016, , .		10
142	High-speed response of the pneumatic actuator used in a peristaltic crawling robot inspecting long-distance gas pipes. , 2016, , .		4
143	Optimization of Throwing Motion by 2-DOF Variable Viscoelastic Joint Manipulator. Lecture Notes in Computer Science, 2016, , 577-588.	1.0	0
144	Verification of throwing operation by a manipulator with variable viscoelastic joints with straight-fiber-type artificial muscles and magnetorheological brakes. Advanced Robotics, 2016, 30, 1365-1379.	1.1	6

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145	DEVELOPMENT OF A LONG-DISTANCE PRESSURE FEED PIPE INSPECTION ROBOT BASED ON PERISTALTIC CRAWLING OF THE EARTHWORM. , 2016, , 88-96.		1
146	DEVELOPMENT OF A FLEXIBLE EXCAVATION UNIT FOR A PERISTALTIC CRAWLING SEABED EXCAVATION ROBOT. , 2016, , 97-105.		7
147	Effective motion assistance using a passive force endoskeleton power assist suit. , 2016, , .		6
148	Development of the Attachment for the Cable of Peristaltic Crawling Robot to Reduce Friction in Elbow Pipe. Lecture Notes in Computer Science, 2016, , 589-595.	1.0	1
149	Blade-Type Crawler Vehicle Bio-inspired by a basilisk lizard for running on water surface. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, S1510102.	0.0	0
150	Improvement in traveling performance of a peristaltic crawling robot cleaning a duct. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, S1510105.	0.0	0
151	Mobilizing and Antagonistic Stiffness Control for SMA Artificial Muscle Actuator Protected by Rolled Film Tube. Transactions of the Society of Instrument and Control Engineers, 2016, 52, 103-112.	0.1	0
152	A study of the powder conveyance technology by peristaltic conveyor. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, S1510104.	0.0	0
153	Proposed suction method in omnidirectional wall-climbing robot for inspection of airplanes. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2016, 2016, 2016, 2P2-09a3.	0.0	1
154	Landing method for a one-legged robot with artificial muscles and an MR brake. , 2015, , .		3
155	Wave-transmitting method for a travelling-wave-type omnidirectional mobile robot. Industrial Robot, 2015, 42, 19-24.	1.2	1
156	Development of an Endoscopic Support Device Using Veering-out Tube with Stiffening Capability by Granular Jamming. Transactions of the Society of Instrument and Control Engineers, 2015, 51, 290-296.	0.1	3
157	Development of a Peristaltic Crawling Inspection Robot for Half-Inch Pipes Using Pneumatic Artificial Muscles. SICE Journal of Control Measurement and System Integration, 2015, 8, 256-264.	0.4	8
158	Development of Traveling Wave Type Omni-directional Wall Climbing Robot Using an Adhesion Device with Permanent Magnet. Transactions of the Society of Instrument and Control Engineers, 2015, 51, 282-289.	0.1	2
159	Development of an endskeleton type power assist suit using pneumatic artificial muscles with amplification mechanism. , 2015, , .		13
160	Development of a wearable haptic device with pneumatic artificial muscles and MR brake. , 2015, , .		9
161	Development of Semi-Active-Type Haptic Device Using Variable Viscoelastic Elements. Lecture Notes in Computer Science, 2015, , 421-432.	1.0	0
162	Development of insertion-type peristalsis pump using pneumatic artificial muscles. Advanced Robotics, 2015, 29, 877-888.	1.1	4

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163	Versatile ladder-climbing carrying device using slider crank mechanisms. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 72-73.	0.0	0
164	Improvement in SMA Artificial Muscle Actuator Protected by Rolled Film Tube. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 121-122.	0.0	0
165	Dynamic Characteristic Model for Pneumatic Artificial Muscles Considering Length of Air Tube. Lecture Notes in Computer Science, 2015, , 390-401.	1.0	Ο
166	Variable Impedance Control with Variable Viscoelasticity Joint Manipulator for Instantaneous Force. Transactions of the Society of Instrument and Control Engineers, 2015, 51, 380-389.	0.1	0
167	Development of a Hydraulic Artificial Muscle for a Deep-Seafloor Excavation Robot with a Peristaltic Crawling Mechanism. Lecture Notes in Computer Science, 2015, , 379-389.	1.0	3
168	Development of a peristaltic crawling robot for inspection of force main sewer pipes. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 82-83.	0.0	0
169	Jumping and Landing Simulation for a 2-DOF One-Legged Robot with Pneumatic Artificial Muscles and a MR Brake. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 300-301.	0.0	Ο
170	A 1-DOF Wearable Force Feedback Device with Pneumatic Artificial Muscles and MR Brake. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 243-244.	0.0	1
171	An Automatic Soil-Releasing Mechanism for a Lunar Subsurface Excavation Robot. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 183-184.	0.0	Ο
172	Improved Automatic Soil-Releasing Mechanism for a Lunar Subsurface Explorer. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 298-299.	0.0	0
173	Magnetic Field Analysis for the Permanent Magnetic Adhesion Mechanism of a Traveling-Wave-Type Omni-directionalWall Climbing Robot. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 241-242.	0.0	Ο
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