

Hiroki Tomori

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Development of self-deformation-robot with regular icosahedron structure using bending-type-pneumatic-artificial-muscle and drive experiment. Transactions of the JSME (in Japanese), 2021, 87, 21-00233-21-00233.	0.2	0
2	Recovery from fatigue of pneumatic artificial muscle using a thermoplastic elastomer. Advanced Robotics, 2020, 34, 1522-1529.	1.8	1
3	A Self-Deformation Robot Design Incorporating Bending-Type Pneumatic Artificial Muscles. Technologies, 2019, 7, 51.	5.1	4
4	Control of Pneumatic Artificial Muscles Using Local Cyclic Inputs and Genetic Algorithm. Actuators, 2018, 7, 36.	2.3	9
5	Throwing motion with instantaneous force using a variable viscoelastic joint manipulator. Journal of Intelligent Material Systems and Structures, 2017, 28, 999-1009.	2.5	3
6	Underwater drone for bio-logging of sperm whale. , 2017, , .		1
7	Variable Impedance Control with Variable Viscoelasticity Joint Manipulator for Instantaneous Force. Transactions of the Society of Instrument and Control Engineers, 2015, 51, 380-389.	0.2	0
8	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	0
9	Motion control of instantaneous force for an artificial muscle manipulator with variable rheological joint. , 2012, , .		2
10	Construction of a nonlinear dynamic characteristic model of pneumatic artificial rubber muscle manipulator using the magnetorheological (MR) brake. Journal of Intelligent Material Systems and Structures, 2012, 23, 1011-1018.	2.5	7
11	Derivation of nonlinear dynamic model of novel pneumatic artificial muscle manipulator with a magnetorheological brake. , 2012, , .		8
12	POSITION AND VIBRATION CONTROL OF VARIABLE RHEOLOGICAL JOINTS USING ARTIFICIAL MUSCLES AND MAGNETO-RHEOLOGICAL BRAKE. International Journal of Humanoid Robotics, 2011, 08, 205-222.	1.1	11
13	Theoretical Comparison of McKibben-Type Artificial Muscle and Novel Straight-Fiber-Type Artificial Muscle. International Journal of Automation Technology, 2011, 5, 544-550.	1.0	52
14	NONLINEAR DYNAMIC CHARACTERISTIC MODEL OF ARTIFICIAL RUBBER MUSCLE MANIPULATOR USING MR BRAKE. , 2011, , .		1