Hitoshi Kino

List of Publications by Year
in descending order

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64	716	1039880 9	610775 24
papers	citations	h-index	g-index

64	64	64	373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-speed manipulation by using parallel wire-driven robots. Robotica, 2000, 18, 13-21.	1.3	334
2	Robust PD Control Using Adaptive Compensation for Completely Restrained Parallel-Wire Driven Robots: Translational Systems Using the Minimum Number of Wires Under Zero-Gravity Condition. , 2007, 23, 803-812.		79
3	Sensorless Position Control Using Feedforward Internal Force for Completely Restrained Parallel-Wire-Driven Systems. IEEE Transactions on Robotics, 2009, 25, 467-474.	7.3	28
4	Numerical analysis of feedforward position control for non-pulley musculoskeletal system: a case study of muscular arrangements of a two-link planar system with six muscles. Advanced Robotics, 2013, 27, 1235-1248.	1.1	25
5	Sensory-motor control mechanism for reaching movements of a redundant musculo-skeletal arm. Journal of Field Robotics, 2005, 22, 639-651.	0.7	19
6	Inverse Dynamics of Human Passive Motion Based on Iterative Learning Control. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 307-315.	3.4	19
7	A Motion Control Scheme in Task Oriented Coordinates and its Robustness for Parallel Wire Driven Systems.. Journal of the Robotics Society of Japan, 2000, 18, 411-418.	0.0	17
8	Basic study of biarticular muscle's effect on muscular internal force control based on physiological hypotheses. , 2009, , .		15
9	Mechanism and Control of Parallel-Wire Driven System. Journal of Robotics and Mechatronics, 2015, 27, 599-607.	0.5	14
10	3-DOF planar parallel-wire driven robot with an active balancer and its model-based adaptive control. Advanced Robotics, 2018, 32, 766-777.	1.1	13
11	Reaching Movements of a Redundant Musculoskeletal Arm: Acquisition of an Adequate Internal Force by Iterative Learning and Its Evaluation through a Dynamic Damping Ellipsoid. Advanced Robotics, 2010, 24, 783-818.	1.1	12
12	Simulation verification for the robustness of passive compass gait with a joint stiffness adjustment. Advanced Robotics, 2019, 33, 1129-1143.	1.1	10
13	Sensorless point-to-point control for a musculoskeletal tendon-driven manipulator: analysis of a two-DOF planar system with six tendons. Advanced Robotics, 2017, 31, 851-864.	1.1	9
14	Task-space Feedback Control for A Two-link Arm Driven by Six Muscles with Variable Damping and Elastic Properties. , 0, , .		8
15	Sensory-motor control of a muscle redundant arm for reaching movements - convergence analysis and gravity compensation. , 2005, , .		7
16	A study on effect of biarticular muscles in an antagonistically actuated robot arm through numerical simulations. Artificial Life and Robotics, 2017, 22, 74-82.	0.7	7
17	Complementary compound set-point control by combining muscular internal force feedforward control and sensory feedback control including a time delay. Advanced Robotics, 2018, 32, 411-425.	1.1	7
18	A Motion Control Scheme in Wire Length Coordinates for Parallel Wire Drive Systems.. Journal of the Robotics Society of Japan, 1998, 16, 546-552.	0.0	7

#	Article	IF	Citations
19	Iterative Learning Scheme for a Redundant Musculoskeletal Arm: Task Space Learning with Joint and Muscle Redundancies. , 2010, , .		6
20	Prototype of a Tensegrity Robot with Nine Wires for Switching Locomotion and Calculation Method of the Balancing Internal Force. Procedia Computer Science, 2017, 105, 1-6.	1.2	6
21	Principle of orthogonalization for completely restrained parallel wire driven robot. , 0, , .		5
22	A force display system using a serial-link structure driven by a parallel-wire mechanism. Advanced Robotics, 2005, 19, 21-37.	1.1	5
23	Numerical Solution Framework of Kinematics for a Tendon-Driven Manipulator Equipped with Cylindrical Elastic Elements. Advanced Robotics, 2010, 24, 1639-1660.	1.1	5
24	Fundamental Study of Soft Actuator Using Anisotropic Gel Hybridized with Nanosheet Liquid Crystal: Analysis of Heat Characteristics and Length Control. Procedia Computer Science, 2017, 105, 62-67.	1.2	5
25	Development of a serial link structure/parallel wire system for a force display. , 0, , .		4
26	Verification of operating principle of Flexible Linear Actuator. , 2009, , .		4
27	Set-point control of a musculoskeletal arm by the complementary combination of a feedforward and feedback manner. , 2014, , .		4
28	Geometric conditions of a two-link-and-six muscle structure based on internal force stability. ROBOMECH Journal, 2020, 7, .	0.9	4
29	Torque estimation system for human leg in passive motion using parallel-wire driven mechanism and iterative learning control. , 2009, , .		3
30	Iterative learning control for a redundant musculoskeletal arm: Acquisition of adequate internal force. , 2010, , .		3
31	Variable combination of feed-forward and feedback manners for set-point control of a musculoskeletal arm considering the maximum exertable muscular force. , 2016, , .		3
32	Choice of Muscular Forces for Motion Control of a Robot Arm with Biarticular Muscles. Journal of Robotics and Mechatronics, 2019, 31, 143-155.	0.5	3
33	Experiment Verification and Stability Analysis of Iterative Learning Control for Shape Memory Alloy Wire. Journal of Robotics and Mechatronics, 2019, 31, 583-593.	0.5	3
34	Adaptive Position Control for Fully Constrained Parallel Wire Driven Systems. , 2006, , .		2
35	Experimental investigation of contribution of biarticular actuation to mappings between sensory and motor spaces. , 2015, , .		2
36	Stiffness evaluation of a tendon-driven robot with variable joint stiffness mechanisms. , 2017, , .		2

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37	Stability conditions of an ODE arising in human motion and its numerical simulation. Results in Applied Mathematics, 2019, 3, 100063.	0.5	2
38	Set-Point Control of a Musculoskeletal System Under Gravity by a Combination of Feed-Forward and Feedback Manners Considering Output Limitation of Muscular Forces. Journal of Robotics and Mechatronics, 2019, 31, 612-620.	0.5	2
39	Parallel Wire Driven System for Joint Torque Estimation of Human Leg in Passive Motion. SICE Journal of Control Measurement and System Integration, 2012, 5, 70-77.	0.4	2
40	Error Evaluation Method of Approximated Inverse Kinematics for Parallel-Wire Driven System â€“ Basic Study for Three-Wire Planar System â€“. Journal of Robotics and Mechatronics, 2016, 28, 808-818.	0.5	2
41	Joint Torque Analysis for Humans in Underwater Environment with Parallel Wire Driven Systems. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2006, 72, 486-492.	0.2	1
42	Deformation analysis of belt-formed pulley to adjust joint stiffness of tendon robot. , 2007, , .		1
43	Application of Cylindrical Elastic Elements for Stiffness Control of Tendon-Driven Manipulator and Inverse Kinematics Evaluation. , 2009, , .		1
44	Decision Method of Internal Force for Sensorless Positioning of Musculoskeletal System. , 2010, , .		1
45	Study of human motion generation based on redundancy of musculoskeletal structure: Analysis of potential generated by internal force for two-link system. , 2013, , .		1
46	A proposal of a SMA actuated wing mechanism using flexible structure for the capability of various flow speeds. , 2014, , .		1
47	Detecting Nanosheet Objects from Noisy CLSM Images Using Deep Learning Approach. Key Engineering Materials, 0, 804, 11-15.	0.4	1
48	Step Response Characteristics of Anisotropic Gel Actuator Hybridized with Nanosheet Liquid Crystal. Journal of Robotics and Mechatronics, 2019, 31, 647-656.	0.5	1
49	Analysis of Quasistatic Convergent Condition for Feedforward Position Control of Musculoskeletal System by Use of Approximation of Muscular Lengths. Journal of the Robotics Society of Japan, 2014, 32, 372-379.	0.0	1
50	A sensor-actuator map for organization of position sensor feedback control for multiple links structure / wire driven system. , 0, , .		0
51	Position Feedback Control for Multiple Links Structure/Wire Driven System (Visualization and) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Japan Society of Mechanical Engineers, Part C, 2005, 71, 2273-2280.	0.2	0
52	Proposal of Static Friction Measuring Method and Experimental Investigation of Static Friction Characteristic of Belt-Formed Pulley for Variable Joint Stiffness on Tendon-Driven Robot. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2007, 73, 2312-2319.	0.2	0
53	Approximative approach of forward-kinematics for one-link manipulator using belt-formed pulleys. , 2008, , .		0
54	Message from RI3C 2010 International Workshop Organizers. , 2010, , .		0

#	Article	IF	Citations
55	Study on Increase in Propulsion of Flexible Linear Actuator. , 2010, , .		0
56	Feed-forward positioning of musculoskeletal-like robotic systems with muscular viscosity: Determination of an adequate internal force. , 2013, , .		0
57	RI3C 2013: Message from the Workshop Organizers. , 2013, , .		0
58	Geometrie conditions for feedforward positioning of musculoskeletal tendon-driven structure. , 2015, , .		0
59	Basic Study of Heating Response Measurement for Nanosheet Particle/Polymer Composite Gel Actuator with Anisotropic Contraction. Key Engineering Materials, 0, 804, 17-21.	0.4	0
60	Optimal Muscular Arrangement Using Genetic Algorithm for Musculoskeletal Potential Method with Muscle Viscosity. Journal of Robotics and Mechatronics, 2021, 33, 619-628.	0.5	0
61	Simulation Evaluation for Methods Used to Determine Muscular Internal Force Based on Joint Stiffness Using Muscular Internal Force Feedforward Controller for Musculoskeletal System. Frontiers in Robotics and AI, 2021, 8, 699792.	2.0	0
62	Error Analysis by Kinetics for Parallel-Wire Driven System Using Approximated Inverse Kinematics. Journal of Robotics and Mechatronics, 2018, 30, 763-771.	0.5	0
63	Basics of Dynamics and Control for a Parallel-wire Driven Robot. Journal of the Robotics Society of Japan, 2021, 39, 811-814.	0.0	0
64	Improvement in rotational performance by periodic tensile change of a torque transmission wire: basic experimental verification using a single straight wire. Advanced Robotics, 0, , 1-14.	1.1	0