

# Takeshi Ando

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

283  
citations

1307594

7  
h-index

1199594

12  
g-index

46  
all docs

46  
docs citations

46  
times ranked

166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithm to demodulate an electromyogram signal modulated by essential tremor. ROBOMECH Journal, 2017, 4, .	1.6	4
2	High path tracking control of an intelligent walking-support robot under time-varying friction and unknown parameters. Advanced Robotics, 2017, 31, 739-752.	1.8	3
3	Medical and Assistive Robotics Based on Collaboration of Medicine and Engineering. The Journal of Japanese Society of Stomatognathic Function, 2016, 22, 104-108.	0.0	0
4	Evaluation of treadmill velocity control based on user's intention of acceleration or deceleration. , 2014, , .		0
5	Development of an elbow-forearm interlock joint mechanism toward an exoskeleton for patients with essential tremor. , 2014, , .		6
6	Development of new measurement system of thoracic excursion with biofeedback: reliability and validity. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 45.	4.6	8
7	Human Learning Strategy in Multi-Movement Discrimination (Leg Controlled Electric Wheelchair) Tj ETQq1 1 0.784314 rgBT /Overlock 1 of Mechanical Engineers, Part C, 2013, 79, 2037-2047.	0.2	0
8	Development of an Exoskeleton to Support Eating Movements in Patients with Essential Tremor. Journal of Robotics and Mechatronics, 2013, 25, 949-958.	1.0	18
9	A Gait Phase Measurement System Using Treadmill Motor Current. Advanced Robotics, 2012, 26, 1727-1746.	1.8	3
10	Analysis of EMG signals of patients with essential tremor focusing on the change of tremor frequency. , 2012, 2012, 2244-50.		14
11	Tremor frequency based filter to extract voluntary movement of patients with essential tremor. , 2012, , .		14
12	Biofeedback Effect of Thoracic Excursion in Chest Expansion Training. Journal of Biomechanical Science and Engineering, 2012, 7, 328-334.	0.3	3
13	An Attachable Standing-Assist-Robot to Motorized Bed. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2012, 78, 151-162.	0.2	4
14	A Haptic Interface "Force Blinker" for Navigation of the Visually Impaired. IEEE Transactions on Industrial Electronics, 2012, 59, 4112-4119.	7.9	43
15	Brain activity measurement based evaluation of active control of a treadmill. , 2012, , .		1
16	Soft Interaction Between Body Weight Support System and Human Using Impedance Control Based on Fractional Calculus. Advanced Robotics, 2012, 26, 1253-1269.	1.8	6
17	Myoelectric-Controlled Exoskeletal Elbow Robot to Suppress Essential Tremor: Extraction of Elbow Flexion Movement Using STFTs and TDNN. Journal of Robotics and Mechatronics, 2012, 24, 141-149.	1.0	19
18	Pilot Study of Split Belt Treadmill Based Gait Rehabilitation System for Symmetric Stroke Gait. Journal of Robotics and Mechatronics, 2012, 24, 884-893.	1.0	6

#	ARTICLE	IF	CITATIONS
19	The weight load inconsistency effect on voluntary movement recognition of essential tremor patient. , 2011, , .		7
20	Visual Bio-Feedback System of Gait Phase in Split Belt Treadmill. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 4189-4203.	0.2	1
21	Micro Macro Neural Network to Recognize Rollover Movement. Advanced Robotics, 2011, 25, 253-271.	1.8	9
22	Repeatability analysis of rollover recognition in changing myoelectric electrode condition. , 2011, 2011, 619-23.		1
23	Development of robotic upper limb orthosis with tremor suppressibility and elbow joint movability. , 2011, , .		16
24	Thoracic ROM measurement system with visual bio-feedback: System design and biofeedback evaluation. , 2011, 2011, 1272-4.		1
25	Response Evaluation of Rollover Recognition in Myoelectric Controlled Orthosis Using Pneumatic Rubber Muscle for Cancer Bone Metastasis Patient. Journal of Robotics and Mechatronics, 2011, 23, 302-309.	1.0	2
26	Recognition of Outer Muscle's EMG and Inner Muscle's EMG Using Support Vector Machine : Recognition of Abduction and External Rotation Movements of Shoulder Joint(Mechanical Systems). Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2010, 76, 297-303.	0.2	0
27	EMG based design and evaluation of Micro Macro Neural Network for rollover support trunk orthosis. , 2010, , .		1
28	Mechanism and evaluation of a haptic interface &#x201C;Force Blinker 2&#x201D; for navigation of the visually impaired. , 2010, , .		3
29	Fractional impedance control for reproducing the material properties of muscle. , 2010, , .		3
30	Fractional impedance control for reproducing the material properties of muscle and its application in a body weight support system. , 2010, , .		5
31	Intelligent Trunk Corset to Support Rollover of Cancer Bone Metastasis Patients. IEEE/ASME Transactions on Mechatronics, 2010, 15, 181-190.	5.8	10
32	Split belt treadmill with differential velocity and biofeedback for well-balanced gait of patient with stroke. , 2010, , .		3
33	Kinematic walking analysis on a new vehicle &#x201C;Tread-Walk&#x201D; with active velocity control of treadmill belt. , 2009, 2009, 5977-80.		2
34	Development of a cane with a haptic interface using IC tags for the visually impaired. , 2009, , .		4
35	Treadmill motor current value based walk phase estimation. , 2009, 2009, 7131-4.		12
36	An algorithm of walk phase estimation with only treadmill motor current. , 2009, , .		13

#	ARTICLE	IF	CITATIONS
37	Optimal design of a micro macro neural network to recognize rollover movement. , 2009, , .		1
38	Extraction of voluntary movement for an EMG controlled exoskeletal robot of tremor patients. , 2009, , .		14
39	Intelligent corset to support rollover of cancer bone metastasis patients - Mechanism to restrict the trunk ROM. , 2008, , .		9
40	A new mobility-aid vehicle with a unique turning system. , 2008, , .		3
41	Development of a Micro-Macro Neural Network to recognize rollover movement. , 2008, 2008, 5228-33.		1
42	Development of a manipuiator assisting postural stability of hemiplegic gait. Journal of Life Support Engineering, 2008, 20, 192-192.	0.0	0
43	Development of a walking going out support robot using IC tag <sup>1/4</sup> Proposal of direction instruction interface by force <sup>1/4</sup> . Journal of Life Support Engineering, 2008, 20, 186-186.	0.0	0
44	1P1-D07 Walking support robot "Tread Walk" for alleviating asymmetry of hemiplegic walk : Effect of walk speed difference with separated treadmill. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2008, 2008, _1P1-D07_1-_1P1-D07_2.	0.0	7
45	Development of Rollover Support System with EMG Control for Cancer Bone Metastasis Patients. Journal of Life Support Engineering, 2007, 19, 123-123.	0.0	0
46	Estimation of Rotator Cuff Activity Using a Surface EMG during Shoulder External Rotation. , 2006, , .		3