

Shuichi Ino

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Training System for White Cane Technique Using Illusory Pulling Cues Induced by Asymmetric Vibrations. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 305-313.	4.9	7
2	Contribution of Vibration, Tapping Sound, and Reaction Force to Hardness Perception During Indirect Tapping Using a White Cane. IEEE Transactions on Haptics, 2022, 15, 246-254.	2.7	1
3	Navigation for precise walking of blind people based on pulling illusion devices embedded in white canes. , 2022, , .		0
4	Pulling Illusion Based on the Phase Difference of the Frequency Components of Asymmetric Vibrations. IEEE/ASME Transactions on Mechatronics, 2021, 26, 203-213.	5.8	9
5	Evaluation of Standing-Up Motion from a Forward-Sloping Toilet Seat for Older People. Applied Sciences (Switzerland), 2021, 11, 1368.	2.5	0
6	Nutritional assessment in a maxillectomy patient from the preoperative period to definitive obturator insertion: A case report. Journal of Prosthodontic Research, 2021, , .	2.8	0
7	A pseudo-chewing sound presentation device to improve the texture of nursing care foods. Journal of Texture Studies, 2020, 51, 389-397.	2.5	1
8	Effects of Asymmetric Vibration Frequency on Pulling Illusions. Sensors, 2020, 20, 7086.	3.8	3
9	Pilot Study on the Development of a New Wearable Tactile Feedback Device for Welding Skills Training. Communications in Computer and Information Science, 2020, , 123-128.	0.5	1
10	Motion Guidance Using Translational Force and Torque Feedback by Induced Pulling Illusion. Lecture Notes in Computer Science, 2020, , 471-479.	1.3	5
11	An Ergonomic Evaluation of Physical and Mental Loads in Standing-up Motion from Forward-Sloping Toilet Seats. IFMBE Proceedings, 2019, , 15-19.	0.3	0
12	Metal hydride actuator for a rescue jack driven by hydrogen desorption. International Journal of Hydrogen Energy, 2019, 44, 29310-29318.	7.1	7
13	Buckling Force Variability of Semmes-Weinstein Monofilaments in Successive Use Determined by Manual and Automated Operation. Sensors, 2019, 19, 803.	3.8	4
14	Influence of the Manner of Grasping a White Cane on the Ability of Visually Impaired Persons to Use These Canes for Estimating Object Weights. Advances in Intelligent Systems and Computing, 2019, , 186-195.	0.6	0
15	Rescue jack system applying hydrogen-absorbing alloys as a pressure source. International Journal of Hydrogen Energy, 2018, 43, 22438-22446.	7.1	3
16	Basic Study of the Influence of the Manner of Grasping, Number of Contacts, and Auditory Information on Recognition of Hardness of Objects by Visually Impaired Persons Using White Canes. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2018, 22, 121-132.	0.9	6
17	Texture-dependent effects of pseudo-chewing sound on perceived food texture and evoked feelings in response to nursing care foods. Appetite, 2017, 116, 493-501.	3.7	20
18	Reduction in Fall Risk and Medical Cost with Foot Care in the Elderly. Advanced Biomedical Engineering, 2017, 6, 83-87.	0.6	5

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19	A Pilot Study of a Tactile Measurement System Using Lateral Skin Stretch on Foot Plantar Surface. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2017, 21, 74-78.	0.9	3
20	An Attempt to Improve Food/Sound Congruity Using an Electromyogram Pseudo-Chewing Sound Presentation System. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2017, 21, 342-349.	0.9	4
21	Experimental Study on Physical Burden of Transfer Assistance for Excretion “ Comparison Between Transfer-Type Wheelchair and Ordinary Wheelchair “. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2017, 21, 363-370.	0.9	1
22	The effect of a crunchy pseudo-chewing sound on perceived texture of softened foods. Physiology and Behavior, 2016, 167, 324-331.	2.1	33
23	Improving the Palatability of Nursing Care Food Using a Pseudo-chewing Sound Generated by an EMG Signal. Lecture Notes in Computer Science, 2016, , 212-220.	1.3	2
24	Development of $Zr_{x}Ti_{1-x}Mn_{0.8}V_{0.2}Ni_{0.9}M_{0.1}$ (M=Ni, Al, Fe, Cu) Alloys for a Soft Actuator Using Hydrogen Storage Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 257-264.	0.4	2
25	Evaluation of the variation in sensory test results using Semmes-Weinstein monofilaments. , 2015, 2015, 1259-62.		7
26	Application of metal hydride paper to simple pressure generator for use in soft actuator systems. , 2015, 2015, 4789-92.		4
27	Relationship between foot arch structure and postural stability ; Measurements in over 100 older people for health monitoring. , 2014, , .		3
28	Measuring gait pattern in elderly individuals by using a plantar pressure measurement device. Technology and Health Care, 2014, 22, 805-815.	1.2	11
29	A pilot study of a plantar sensory evaluation system for early screening of diabetic neuropathy in a weight-bearing position. , 2014, 2014, 3508-11.		5
30	Development of Ti–Zr–Mn Based Hydrogen Storage Alloys for a Soft Actuator. Materials Transactions, 2014, 55, 1168-1174.	1.2	8
31	Vibration of the White Cane Causing a Hardness Sense of an Object. Communications in Computer and Information Science, 2013, , 493-497.	0.5	3
32	Designing a Metal Hydride Actuator with Human-Compatible Softness and High Power-to-Weight Ratio for Future Quality-of-Life Technologies. Lecture Notes in Computer Science, 2013, , 111-120.	1.3	0
33	A System Utilizing Metal Hydride Actuators to Achieve Passive Motion of Toe Joints for Prevention of Pressure Ulcers: A Pilot Study. Rehabilitation Research and Practice, 2012, 2012, 1-7.	0.6	7
34	Soft and Noiseless Actuator Technology Using Metal Hydride Alloys to Support Personal Physical Activity. , 2012, , .		1
35	Extraction of Airway in Computed Tomography. , 2012, , .		0
36	Evaluation of Physical Functions for Fall Prevention among the Elderly. , 2012, , 119-138.		5

#	ARTICLE	IF	CITATIONS
37	Study on Subthreshold Stimulation for Daily Functional Electrical Stimulation Training. , 2012, , 199-218.		0
38	Human-Friendly Actuator Using Metal Hydride for Rehabilitation and Assistive Technology Systems. , 2012, , 139-160.		0
39	The Effect of an Auxiliary Stimulation on Motor Function Restoration by FES. Journal of Medical Systems, 2011, 35, 855-861.	3.6	4
40	An in-shoe device to measure plantar pressure during daily human activity. Medical Engineering and Physics, 2011, 33, 638-645.	1.7	87
41	Solar or surplus heat-driven actuators using metal hydride alloys. Sensors and Actuators B: Chemical, 2011, 156, 108-113.	7.8	12
42	Development of a metal hydride actuator driven only by solar heat. , 2011, , .		0
43	Evaluation of Ambulatory Function by Using the Shoe Device. IFMBE Proceedings, 2011, , 868-871.	0.3	5
44	Human-Centered Metal Hydride Actuator Systems for Rehabilitation and Assistive Technology. , 2011, , 154-170.		1
45	H-reflex measurement and a simulation model for interpreting the effect of an auxiliary electrical stimulation on FES. , 2010, 2010, 5843-6.		3
46	An experimental study on target recognition using white canes. , 2010, 2010, 6583-6.		6
47	Standardization of Thresholding for Binary Conversion of Vocal Tract Modeling in Computed Tomography. Journal of Voice, 2010, 24, 503-509.	1.5	9
48	Preliminary design of a simple passive toe exercise apparatus with a flexible metal hydride actuator for pressure ulcer prevention. , 2010, 2010, 479-82.		3
49	Development of a soft metal hydride actuator using a laminate bellows for rehabilitation systems. Sensors and Actuators B: Chemical, 2009, 136, 86-91.	7.8	40
50	A soft metal hydride actuator using LaNi ₅ alloy and a laminate film bellows. , 2009, , .		4
51	Psychophysical Measurement of Multiple Tactile Sensations Using a Broadband Vibrotactile Display. , 2008, , .		5
52	Prototype design of a wearable metal hydride actuator using a soft bellows for motor rehabilitation. , 2008, 2008, 3451-4.		8
53	Portable Pneumatic Actuator System Using MH Alloys, Employed as Assistive Devices. Journal of Robotics and Mechatronics, 2007, 19, 612-618.	1.0	4
54	A basic study for a robotic transfer aid system based on human motion analysis. Advanced Robotics, 2001, 14, 579-595.	1.8	22

#	ARTICLE	IF	CITATIONS
55	Development of a Compliance Variable Metal Hydride(MH) Actuator System for a Robotic Mobility Aid for Disabled Persons.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1996, 62, 1912-1919.	0.2	4
56	Design of an Actuator for Tele-existence Display of Position and Force to Human Hand and Elbow. Journal of Robotics and Mechatronics, 1992, 4, 43-48.	1.0	13