

# Shuichi Ino

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

401  
citations

1040056

9  
h-index

839539

18  
g-index

56  
all docs

56  
docs citations

56  
times ranked

311  
citing authors

#	ARTICLE	IF	CITATIONS
1	An in-shoe device to measure plantar pressure during daily human activity. <i>Medical Engineering and Physics</i> , 2011, 33, 638-645.	1.7	87
2	Development of a soft metal hydride actuator using a laminate bellows for rehabilitation systems. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 86-91.	7.8	40
3	The effect of a crunchy pseudo-chewing sound on perceived texture of softened foods. <i>Physiology and Behavior</i> , 2016, 167, 324-331.	2.1	33
4	A basic study for a robotic transfer aid system based on human motion analysis. <i>Advanced Robotics</i> , 2001, 14, 579-595.	1.8	22
5	Texture-dependent effects of pseudo-chewing sound on perceived food texture and evoked feelings in response to nursing care foods. <i>Appetite</i> , 2017, 116, 493-501.	3.7	20
6	Design of an Actuator for Tele-existence Display of Position and Force to Human Hand and Elbow. <i>Journal of Robotics and Mechatronics</i> , 1992, 4, 43-48.	1.0	13
7	Solar or surplus heat-driven actuators using metal hydride alloys. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 108-113.	7.8	12
8	Measuring gait pattern in elderly individuals by using a plantar pressure measurement device. <i>Technology and Health Care</i> , 2014, 22, 805-815.	1.2	11
9	Standardization of Thresholding for Binary Conversion of Vocal Tract Modeling in Computed Tomography. <i>Journal of Voice</i> , 2010, 24, 503-509.	1.5	9
10	Pulling Illusion Based on the Phase Difference of the Frequency Components of Asymmetric Vibrations. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 203-213.	5.8	9
11	Prototype design of a wearable metal hydride actuator using a soft bellows for motor rehabilitation. , 2008, 2008, 3451-4.		8
12	Development of Ti&ndash;Zr&ndash;Mn Based Hydrogen Storage Alloys for a Soft Actuator. <i>Materials Transactions</i> , 2014, 55, 1168-1174.	1.2	8
13	A System Utilizing Metal Hydride Actuators to Achieve Passive Motion of Toe Joints for Prevention of Pressure Ulcers: A Pilot Study. <i>Rehabilitation Research and Practice</i> , 2012, 2012, 1-7.	0.6	7
14	Evaluation of the variation in sensory test results using Semmes-Weinstein monofilaments. , 2015, 2015, 1259-62.		7
15	Metal hydride actuator for a rescue jack driven by hydrogen desorption. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 29310-29318.	7.1	7
16	Training System for White Cane Technique Using Illusory Pulling Cues Induced by Asymmetric Vibrations. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 305-313.	4.9	7
17	An experimental study on target recognition using white canes. , 2010, 2010, 6583-6.		6
18	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. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2018, 22, 121-132.	0.9	6

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19	Psychophysical Measurement of Multiple Tactile Sensations Using a Broadband Vibrotactile Display. , 2008, , .		5
20	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
21	Evaluation of Ambulatory Function by Using the Shoe Device. IFMBE Proceedings, 2011, , 868-871.	0.3	5
22	Evaluation of Physical Functions for Fall Prevention among the Elderly. , 2012, , 119-138.		5
23	Reduction in Fall Risk and Medical Cost with Foot Care in the Elderly. Advanced Biomedical Engineering, 2017, 6, 83-87.	0.6	5
24	Motion Guidance Using Translational Force and Torque Feedback by Induced Pulling Illusion. Lecture Notes in Computer Science, 2020, , 471-479.	1.3	5
25	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
26	A soft metal hydride actuator using LaNi <sub>5</sub> alloy and a laminate film bellows. , 2009, , .		4
27	The Effect of an Auxiliary Stimulation on Motor Function Restoration by FES. Journal of Medical Systems, 2011, 35, 855-861.	3.6	4
28	Application of metal hydride paper to simple pressure generator for use in soft actuator systems. , 2015, 2015, 4789-92.		4
29	Buckling Force Variability of Semmesâ€™Weinstein Monofilaments in Successive Use Determined by Manual and Automated Operation. Sensors, 2019, 19, 803.	3.8	4
30	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
31	Portable Pneumatic Actuator System Using MH Alloys, Employed as Assistive Devices. Journal of Robotics and Mechatronics, 2007, 19, 612-618.	1.0	4
32	H-reflex measurement and a simulation model for interpreting the effect of an auxiliary electrical stimulation on FES. , 2010, 2010, 5843-6.		3
33	Preliminary design of a simple passive toe exercise apparatus with a flexible metal hydride actuator for pressure ulcer prevention. , 2010, 2010, 479-82.		3
34	Relationship between foot arch structure and postural stability &#x2014; Measurements in over 100 older people for health monitoring. , 2014, , .		3
35	Rescue jack system applying hydrogen-absorbing alloys as a pressure source. International Journal of Hydrogen Energy, 2018, 43, 22438-22446.	7.1	3
36	Effects of Asymmetric Vibration Frequency on Pulling Illusions. Sensors, 2020, 20, 7086.	3.8	3

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37	A Pilot Study of a Tactile Measurement System Using Lateral Skin Stretch on Foot Plantar Surface. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2017, 21, 74-78.	0.9	3
38	Vibration of the White Cane Causing a Hardness Sense of an Object. <i>Communications in Computer and Information Science</i> , 2013, , 493-497.	0.5	3
39	Development of $Zr_{x-1}Ti_{x-1}Mn_{0.8}V_{0.2}Ni_{0.9}M_{0.1}$ (M=Ni, Al, Fe, Cu) Alloys for a Soft Actuator Using Hydrogen Storage Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015, 79, 257-264.	0.4	2
40	Improving the Palatability of Nursing Care Food Using a Pseudo-chewing Sound Generated by an EMG Signal. <i>Lecture Notes in Computer Science</i> , 2016, , 212-220.	1.3	2
41	Soft and Noiseless Actuator Technology Using Metal Hydride Alloys to Support Personal Physical Activity. , 2012, , .		1
42	A pseudo-mastication sound presentation device to improve the texture of nursing care foods. <i>Journal of Texture Studies</i> , 2020, 51, 389-397.	2.5	1
43	Experimental Study on Physical Burden of Transfer Assistance for Excretion “ Comparison Between Transfer-Type Wheelchair and Ordinary Wheelchair “. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2017, 21, 363-370.	0.9	1
44	Human-Centered Metal Hydride Actuator Systems for Rehabilitation and Assistive Technology. , 2011, , 154-170.		1
45	Pilot Study on the Development of a New Wearable Tactile Feedback Device for Welding Skills Training. <i>Communications in Computer and Information Science</i> , 2020, , 123-128.	0.5	1
46	Contribution of Vibration, Tapping Sound, and Reaction Force to Hardness Perception During Indirect Tapping Using a White Cane. <i>IEEE Transactions on Haptics</i> , 2022, 15, 246-254.	2.7	1
47	Development of a metal hydride actuator driven only by solar heat. , 2011, , .		0
48	Extraction of Airway in Computed Tomography. , 2012, , .		0
49	An Ergonomic Evaluation of Physical and Mental Loads in Standing-up Motion from Forward-Sloping Toilet Seats. <i>IFMBE Proceedings</i> , 2019, , 15-19.	0.3	0
50	Evaluation of Standing-Up Motion from a Forward-Sloping Toilet Seat for Older People. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1368.	2.5	0
51	Nutritional assessment in a maxillectomy patient from the preoperative period to definitive obturator insertion: A case report. <i>Journal of Prosthodontic Research</i> , 2021, , .	2.8	0
52	Study on Subthreshold Stimulation for Daily Functional Electrical Stimulation Training. , 2012, , 199-218.		0
53	Human-Friendly Actuator Using Metal Hydride for Rehabilitation and Assistive Technology Systems. , 2012, , 139-160.		0
54	Designing a Metal Hydride Actuator with Human-Compatible Softness and High Power-to-Weight Ratio for Future Quality-of-Life Technologies. <i>Lecture Notes in Computer Science</i> , 2013, , 111-120.	1.3	0

#	ARTICLE	IF	CITATIONS
55	Influence of the Manner of Grasping a White Cane on the Ability of Visually Impaired Persons to Use These Canes for Estimating Object Weights. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 186-195.	0.6	0
56	Navigation for precise walking of blind people based on pulling illusion devices embedded in white canes. , 2022, , .		0