

Yoshiyuki Sankai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5432312/publications.pdf>

Version: 2024-02-01

150
papers

4,348
citations

236925

25
h-index

144013

57
g-index

150
all docs

150
docs citations

150
times ranked

2285
citing authors

#	ARTICLE	IF	CITATIONS
1	Noncontact Measurement of Oxygen Saturation with Dual Near Infrared Imaging for Daily Health Monitoring. , 2022, , .		1
2	Development of Handwashing Monitoring System toward Safe Living of People Requiring Long-term Care. , 2022, , .		0
3	Development of a New Ankle Joint Hybrid Assistive Limb. Medicina (Lithuania), 2022, 58, 395.	2.0	9
4	Immediate effects of hybrid assistive limb gait training on lower limb function in a chronic myelopathy patient with postoperative late neurological deterioration. BMC Research Notes, 2022, 15, 89.	1.4	1
5	Functional magnetic resonance imaging of brain activity during hybrid assistive limb intervention in a chronic spinal cord injury patient with C4 quadriplegia. Journal of Clinical Neuroscience, 2022, 99, 17-21.	1.5	2
6	Ankle dorsiflexion training with a newly developed Hybrid Assistive Limb for a patient with foot drop caused by common peroneal nerve palsy: a case report. Journal of Physical Therapy Science, 2022, 34, 410-415.	0.6	3
7	Noncontact Vital Sign Monitoring System with Dual Infrared Imaging for Discriminating Respiration Mode. Advanced Biomedical Engineering, 2021, 10, 80-89.	0.6	1
8	Successful Use of the Hybrid Assistive Limb for Care Support to Reduce Lumbar Load in a Simulated Patient Transfer. Asian Spine Journal, 2021, 15, 40-45.	2.0	20
9	Staged treatment protocol for gait with hybrid assistive limb in the acute phase of patients with stroke. Assistive Technology, 2021, , 1-7.	2.0	2
10	Analysis of Gait Motion Changes by Intervention Using Robot Suit Hybrid Assistive Limb (HAL) in Myelopathy Patients After Decompression Surgery for Ossification of Posterior Longitudinal Ligament. Frontiers in Neurorobotics, 2021, 15, 650118.	2.8	6
11	Adjustment effect during shoulder abduction training with the Hybrid Assistive Limb in a patient with postoperative C5 palsy. Journal of Clinical Neuroscience, 2021, 88, 197-204.	1.5	3
12	Hybrid Assistive Limb Functional Treatment for a Patient with Chronic Incomplete Cervical Spinal Cord Injury. International Medical Case Reports Journal, 2021, Volume 14, 413-420.	0.8	6
13	Cybernetic treatment with wearable cyborg Hybrid Assistive Limb (HAL) improves ambulatory function in patients with slowly progressive rare neuromuscular diseases: a multicentre, randomised, controlled crossover trial for efficacy and safety (NCY-3001). Orphanet Journal of Rare Diseases, 2021, 16, 304.	2.7	37
14	Effects of Cardiac Rehabilitation With Lumbar-Type Hybrid Assistive Limb on Muscle Strength in Patients With Chronic Heart Failure—A Randomized Controlled Trial. Circulation Journal, 2021, 86, 60-67.	1.6	5
15	Robotic Shoulder Rehabilitation With the Hybrid Assistive Limb in a Patient With Delayed Recovery After Postoperative C5 Palsy: A Case Report. Frontiers in Neurology, 2021, 12, 676352.	2.4	4
16	Differences in Muscle Synergy Symmetry Between Subacute Post-stroke Patients With Bioelectrically-Controlled Exoskeleton Gait Training and Conventional Gait Training. Frontiers in Bioengineering and Biotechnology, 2020, 8, 770.	4.1	20
17	Dropped Head Syndrome Attenuation by Hybrid Assistive Limb: A Preliminary Study of Three Cases on Cervical Alignment during Walking. Medicina (Lithuania), 2020, 56, 291.	2.0	8
18	Lateral Swing Support System for Parkinsonism patients with Freezing of Gait. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Muscular Activity Modulation During Post-operative Walking With Hybrid Assistive Limb (HAL) in a Patient With Thoracic Myelopathy Due to Ossification of Posterior Longitudinal Ligament: A Case Report. <i>Frontiers in Neurology</i> , 2020, 11, 102.	2.4	10
20	Development of Real-time Assembly Work Monitoring System Based on 3D Skeletal Model of Arms and Fingers. , 2020, , .		3
21	Feasibility and safety of Robot Suit HAL treatment for adolescents and adults with cerebral palsy. <i>Journal of Clinical Neuroscience</i> , 2019, 68, 101-104.	1.5	17
22	Efficacy of Cardiac Rehabilitation with Assistance from Hybrid Assistive Limb in Patients with Chronic Heart Failure: Protocol for a Randomized Controlled Study. <i>Cardiology</i> , 2019, 142, 213-219.	1.4	3
23	IMU Sensor Module for the Measurement of High-speed Motion in the Analysis of Human Skills. , 2019, , .		0
24	Effects of a lumbar-type hybrid assistive limb on cardiopulmonary burden during squat exercise in healthy subjects. <i>Journal of Clinical Neuroscience</i> , 2019, 66, 226-230.	1.5	4
25	Hybrid assistive limb (HAL) treatment for patients with severe thoracic myelopathy due to ossification of the posterior longitudinal ligament (OPLL) in the postoperative acute/subacute phase: A clinical trial. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 517-525.	1.4	22
26	Effects of a cyborg-type robot suit HAL on cardiopulmonary burden during exercise in normal subjects. <i>European Journal of Applied Physiology</i> , 2019, 119, 487-493.	2.5	2
27	Intensive Gait Treatment Using a Robot Suit Hybrid Assistive Limb in Acute Spinal Cord Infarction: Report of Two Cases. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 395-401.	1.4	22
28	Voluntary ambulation using voluntary upper limb muscle activity and Hybrid Assistive Limb [®] (HAL [®]) in a patient with complete paraplegia due to chronic spinal cord injury: A case report. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 460-468.	1.4	4
29	Walking ability following hybrid assistive limb treatment for a patient with chronic myelopathy after surgery for cervical ossification of the posterior longitudinal ligament. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 128-136.	1.4	17
30	Effects of Gait Treatment With a Single-Leg Hybrid Assistive Limb System After Acute Stroke: A Non-randomized Clinical Trial. <i>Frontiers in Neuroscience</i> , 2019, 13, 1389.	2.8	9
31	Integrated Wheelchair-Compatible Support System for Sit-To-Stand Movements Support. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2019, 13, .	0.7	0
32	Exoskeletal cyborg-type robot. <i>Science Robotics</i> , 2018, 3, .	17.6	32
33	Application of a newly developed upper limb single-joint hybrid assistive limb for postoperative C5 paralysis: An initial case report indicating its safety and feasibility. <i>Journal of Clinical Neuroscience</i> , 2018, 50, 268-271.	1.5	16
34	Gait training using a hybrid assistive limb (HAL) attenuates head drop: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 52, 141-144.	1.5	9
35	The hybrid assisted limb (HAL) for Care Support, a motion assisting robot providing exoskeletal lumbar support, can potentially reduce lumbar load in repetitive snow-shoveling movements. <i>Journal of Clinical Neuroscience</i> , 2018, 49, 83-86.	1.5	39
36	The hybrid assistive limb (HAL) for Care Support successfully reduced lumbar load in repetitive lifting movements. <i>Journal of Clinical Neuroscience</i> , 2018, 53, 276-279.	1.5	38

#	ARTICLE	IF	CITATIONS
37	Use of Hybrid Assistive Limb (HAL [®]) for a postoperative patient with cerebral palsy: a case report. BMC Research Notes, 2018, 11, 201.	1.4	16
38	The Hybrid Assistive Limb [®] intervention for a postoperative patient with spinal dural arteriovenous fistula and chronic spinal cord injury: A case study. Journal of Spinal Cord Medicine, 2018, 41, 710-717.	1.4	15
39	Combined automated culture system for tubular structure assembly and maturation for vascular tissue engineering. Journal of Biomechanical Science and Engineering, 2018, 13, 18-00137-18-00137.	0.3	5
40	Developing Safety Measures for a Wheelchair-Compatible Physical Assistive System with Sit-To-Stand Movement Support. Advanced Biomedical Engineering, 2018, 7, 8-17.	0.6	2
41	Integrated Non-Invasive Vital Signs Monitoring System for Detecting Stress. , 2018, , .		3
42	Hybrid Assistive Limb Intervention in a Patient with Late Neurological Deterioration after Thoracic Myelopathy Surgery due to Ossification of the Ligamentum Flavum. Case Reports in Orthopedics, 2018, 2018, 1-10.	0.3	4
43	Reshaping of Gait Coordination by Robotic Intervention in Myelopathy Patients After Surgery. Frontiers in Neuroscience, 2018, 12, 99.	2.8	17
44	Lateral Symmetry of Synergies in Lower Limb Muscles of Acute Post-stroke Patients After Robotic Intervention. Frontiers in Neuroscience, 2018, 12, 276.	2.8	44
45	Robotic rehabilitation training with a newly developed upper limb single-joint Hybrid Assistive Limb (HAL-SJ) for elbow flexor reconstruction after brachial plexus injury: A report of two cases. Journal of Orthopaedic Surgery, 2018, 26, 230949901877788.	1.0	14
46	Feasibility of Synergy-Based Exoskeleton Robot Control in Hemiplegia. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1233-1242.	4.9	46
47	Robot-assisted voluntary initiation reduces control-related difficulties of initiating joint movement: A phenomenal questionnaire study on shaping and compensation of forward gait. PLoS ONE, 2018, 13, e0194214.	2.5	10
48	Gait training of subacute stroke patients using a hybrid assistive limb: a pilot study. Disability and Rehabilitation: Assistive Technology, 2017, 12, 197-204.	2.2	36
49	The voluntary driven exoskeleton Hybrid Assistive Limb (HAL) for postoperative training of thoracic ossification of the posterior longitudinal ligament: a case report. Journal of Spinal Cord Medicine, 2017, 40, 361-367.	1.4	29
50	Active elbow flexion is possible in C4 quadriplegia using hybrid assistive limb (HAL [®]) technology: A case study. Journal of Spinal Cord Medicine, 2017, 40, 456-462.	1.4	18
51	Combined therapy using botulinum toxin A and single-joint hybrid assistive limb for upper-limb disability due to spastic hemiplegia. Journal of the Neurological Sciences, 2017, 373, 182-187.	0.6	34
52	Shoulder motion assistance using a single-joint Hybrid Assistive Limb [®] robot: Evaluation of its safety and validity in healthy adults. Journal of Orthopaedic Surgery, 2017, 25, 230949901772795.	1.0	8
53	Development of Hybrid Small Sensor Module for Measuring Both Electroencephalogram and Cortical Hemoglobin Concentration. Electronics and Communications in Japan, 2017, 100, 3-15.	0.5	0
54	Decrease of spasticity after hybrid assistive limb [®] training for a patient with C4 quadriplegia due to chronic SCI. Journal of Spinal Cord Medicine, 2017, 40, 573-578.	1.4	34

#	ARTICLE	IF	CITATIONS
55	A brain phantom for motion-corrected PROPELLER showing image contrast and construction similar to those of in vivo MRI. <i>Magnetic Resonance Imaging</i> , 2017, 36, 32-39.	1.8	8
56	Feasibility of rehabilitation using the single-joint hybrid assistive limb to facilitate early recovery following total knee arthroplasty: A pilot study. <i>Assistive Technology</i> , 2017, 29, 197-201.	2.0	26
57	An ultra-multijointed assistive robot finger. , 2017, , .		1
58	Basic research of upper limb work support system "My cybernic robot arm" for hemiplegic persons. , 2017, , .		2
59	Voluntary Ambulation by Upper Limb-Triggered HAL® in Patients with Complete Quadri/Paraplegia Due to Chronic Spinal Cord Injury. <i>Frontiers in Neuroscience</i> , 2017, 11, 649.	2.8	28
60	Robotic device-assisted knee extension training during the early postoperative period after opening wedge high tibial osteotomy: a case report. <i>Journal of Medical Case Reports</i> , 2017, 11, 213.	0.8	14
61	Integrated Sit-to-Stand and Stand-to-Sit Training System Providing Biofeedback Information and Physical Assistance to Hemiplegic Patients. <i>SICE Journal of Control Measurement and System Integration</i> , 2017, 10, 433-441.	0.7	1
62	Balance Control Learning Method for Improving Pulling Chair Movement: A Case Study of a Quadriplegic Wheelchair User. <i>Advanced Biomedical Engineering</i> , 2017, 6, 95-101.	0.6	1
63	Knee-Extension Training with a Single-Joint Hybrid Assistive Limb during the Early Postoperative Period after Total Knee Arthroplasty in a Patient with Osteoarthritis. <i>Case Reports in Orthopedics</i> , 2016, 2016, 1-6.	0.3	18
64	Training system using ground reaction force of the affected leg. , 2016, , .		4
65	Development of gait assist method for parkinson's disease patients with FOG in walking. , 2016, , .		1
66	Development of upper limb support system for heavy work over head. <i>Transactions of the JSME (in Japanese)</i> , 2016, 82, 15-00540-15-00540.	0.2	2
67	Standing up motion support system for wheelchair users. <i>Transactions of the JSME (in Japanese)</i> , 2016, 82, 15-00540-15-00540.	0.2	3
68	Muscle activity during gait-like motion provided by MRI compatible lower-extremity motion simulator. <i>Advanced Robotics</i> , 2016, 30, 459-475.	1.8	4
69	Augmentation of Human Protection Functions Using Wearable and Sensing System. , 2016, , .		4
70	Development of Hybrid Small Sensor Module for Measuring Both Electroencephalogram and Cortical Hemoglobin Concentration. <i>IEEE Transactions on Electronics, Information and Systems</i> , 2016, 136, 515-524.	0.2	0
71	Feasibility study of wearable robot control based on upper and lower limbs synergies. , 2015, , .		5
72	Effectiveness of Acute Phase Hybrid Assistive Limb Rehabilitation in Stroke Patients Classified by Paralysis Severity. <i>Neurologia Medico-Chirurgica</i> , 2015, 55, 487-492.	2.2	28

#	ARTICLE	IF	CITATIONS
73	Development of a visual feedback system for helping patients decrease loads on handrails. Transactions of the JSME (in Japanese), 2015, 81, 15-00011-15-00011.	0.2	1
74	Magnetic resonance compatible stimulation device capable of providing passive and active finger movements. , 2015, , .		1
75	Development of motion control algorithm for upper limb support system based on bioelectrical signals for heavy work over head. , 2015, , .		6
76	Restoration of Gait for Spinal Cord Injury Patients Using HAL With Intention Estimator for Preferable Swing Speed. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 308-318.	4.9	142
77	Synergy Analysis in Robot Assisted Locomotion. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 231-232.	0.0	0
78	Non-invasive and Continuous Hematocrit Measurement by Optical Method without Calibration. IEEJ Transactions on Electronics, Information and Systems, 2015, 135, 387-395.	0.2	0
79	Development of an assist controller with robot suit HAL for hemiplegic patients using motion data on the unaffected side. , 2014, 2014, 3077-80.		26
80	Voluntary driven exoskeleton as a new tool for rehabilitation in chronic spinal cord injury: a pilot study. Spine Journal, 2014, 14, 2847-2853.	1.3	190
81	Wearable Gait Measurement System with an Instrumented Cane for Exoskeleton Control. Sensors, 2014, 14, 1705-1722.	3.8	83
82	Gait training early after stroke with a new exoskeleton – the hybrid assistive limb: a study of safety and feasibility. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 92.	4.6	165
83	Gait Training with the Robot Suit HAL Well-being Type for a Man with Incomplete Spinal Cord Injury. Rigakuryoho Kagaku, 2014, 29, 151-156.	0.1	6
84	Safety Certification of Robot Suit HAL [^] ^reg;. Journal of the Robotics Society of Japan, 2014, 32, 863-865.	0.1	0
85	Pilot study of locomotion improvement using hybrid assistive limb in chronic stroke patients. BMC Neurology, 2013, 13, 141.	1.8	144
86	Static and dynamic properties of McKibben pneumatic actuator for self-stability of legged-robot motion. Advanced Robotics, 2013, 27, 469-480.	1.8	21
87	Lower limb motion support integrated system for prevention of deep vein thrombosis. , 2013, , .		6
88	Feasibility of Rehabilitation Training With a Newly Developed Wearable Robot for Patients With Limited Mobility. Archives of Physical Medicine and Rehabilitation, 2013, 94, 1080-1087.	0.9	142
89	A Newly Developed Robot Suit Hybrid Assistive Limb Facilitated Walking Rehabilitation after Spinal Surgery for Thoracic Ossification of the Posterior Longitudinal Ligament: A Case Report. Case Reports in Orthopedics, 2013, 2013, 1-4.	0.3	24
90	Pulse transit time measurement method with artifact tolerance for home healthcare. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
91	Development of noise resistant hybrid capacitive-resistive electrodes for wearable robotics, computing and welfare. , 2013, , .		4
92	Development of 3D Visual Feedback System for Cybernic Master System. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2013, 79, 645-658.	0.2	2
93	Development of Hybrid Resistive-Capacitive Electrodes for Electroencephalograms and Electrooculograms. IEJ Transactions on Sensors and Micromachines, 2013, 133, 57-65.	0.1	2
94	Development of a web-based training management system to assist training for citizen runners. , 2012, , .		1
95	Emergence and motion analysis of 3D quasi-passive dynamic walking by excitation of lateral rocking. , 2012, , .		3
96	Development of a capacitive coupling electrode for bioelectrical signal measurements and assistive device use. , 2012, , .		14
97	Noise-resistant vascular parameter identification for artery testing. , 2012, , .		0
98	Aftereffects of robotic-assisted treadmill walking on the locomotor pattern in humans. , 2012, 2012, 3560-3.		0
99	Experiment and analysis of quadrupedal quasi-passive dynamic walking robot “Duke”. , 2012, , .		6
100	Clinical Application of ROBOT SUIT HAL<sup>reg®</sup> (Hybrid Assistive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T 723-729.	0.1	1
101	Visual feedback system showing loads on handrails for gait training. , 2012, , .		5
102	Stair ascent assistance for cerebral palsy with robot suit HAL. , 2012, , .		20
103	Wearable parallel processing based high-resolution high-speed electroencephalogram monitoring integrated system. , 2012, , .		0
104	Self-stabilizing function of two dimensional human lower limb musculoskeletal system. , 2012, , .		4
105	HAL equipped with passive mechanism. , 2012, , .		26
106	Development of 3D visual feedback system for Cybernic Master System. , 2012, , .		0
107	Stepwise process of clinical trials in safety-conscious development of human assistive robots. , 2011, , .		2
108	Evaluation of fingertip force accuracy in different support conditions of exoskeleton. , 2011, , .		20

#	ARTICLE	IF	CITATIONS
109	Meal-assistance by Robot Suit HAL using detection of food position with camera. , 2011, , .		8
110	Compatibility test on lower-extremity motion simulator to fMRI. , 2011, , .		3
111	Proposal for Manipulation System with Cybernic Master Arm Based on BES Variable Impedance Control. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2011, 77, 4653-4662.	0.2	3
112	Efficacy of a hybrid assistive limb in post-stroke hemiplegic patients: a preliminary report. BMC Neurology, 2011, 11, 116.	1.8	69
113	Development of upper-limb type HAL and reaching movement for meal-assistance. , 2011, , .		24
114	Gait support for complete spinal cord injury patient by synchronized leg-swing with HAL. , 2011, , .		29
115	Exoskeletal spine and shoulder girdle for full body exoskeletons with human versatility. , 2011, , .		6
116	Active air mat for comfortable and easy to wear a forearm support system. , 2011, , .		7
117	Transferring-Care Assistance with Robot Suit HAL. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2010, 76, 227-235.	0.2	28
118	Neuromuscular System Improvement and Movement Assistance of Polio Survivor with Paralysis Using Biofeedback and Robot Suit HAL(Mechanical Systems). Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2010, 76, 3630-3639.	0.2	5
119	Performance evaluations of hand and forearm support system. , 2010, , .		9
120	Sit-to-Stand and Stand-to-Sit Transfer Support for Complete Paraplegic Patients with Robot Suit HAL. Advanced Robotics, 2010, 24, 1615-1638.	1.8	229
121	Cooperative control of exoskeletal assistive system for paraplegic walk-transferring between sitting posture and standing posture, and going up and down on stairs. , 2010, , .		1
122	HAL: Hybrid Assistive Limb Based on Cybernics. Springer Tracts in Advanced Robotics, 2010, , 25-34.	0.4	270
123	Development of a bidirectional data communication system using ultra high frequency radio wave for implantable artificial hearts. , 2010, , .		1
124	Voluntary motion support control of Robot Suit HAL triggered by bioelectrical signal for hemiplegia. , 2010, 2010, 462-6.		98
125	Towards a guideline for clinical trials in the development of human assistive robots. , 2010, , .		4
126	Fingertip stiffness control using polyarticular tendon drive system. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
127	Bathing care assistance with robot suit HAL. , 2009, , .		41
128	Development of single leg version of HAL for hemiplegia. , 2009, 2009, 5038-43.		129
129	Measurement of brain activity using optical and electrical method. , 2009, , .		1
130	Cooperative walk control of paraplegia patient and assistive system. , 2009, , .		30
131	Standing-up motion support for paraplegic patient with Robot Suit HAL. , 2009, , .		88
132	Working posture control of Robot Suit HAL for reducing structural stress. , 2009, , .		32
133	Development of motion instruction system with interactive robot suit HAL. , 2009, , .		19
134	Fingertip stiffness control using antagonistic pairs of polyarticular tendons drive system. , 2009, , .		7
135	Five-fingered assistive hand with mechanical compliance of human finger. , 2008, , .		49
136	Design and construction of training management system with rich internet application for running in physical education. , 2008, , .		1
137	Intention-based walking support for paraplegia patients with Robot Suit HAL. Advanced Robotics, 2007, 21, 1441-1469.	1.8	442
138	Leading Edge of Cybernics: Robot Suit HAL. , 2006, , .		77
139	Computational Fluid Dynamic Analysis of the Flow around the Pivot Bearing of the Centrifugal Ventricular Assist Device (Effects of Design Variations of the Washout Hole, the Pivot and the Back) Tj ETQq1 1 0.784314 rgBT /Overl 2006. 49. 837-851.	0.3	6
140	Minimizing the Physical Stress by Virtual Impedance of Exoskeletal Robot in Swinging Motion with Power Assist System for Lower Limb. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2005, 71, 1686-1695.	0.2	12
141	Power assist method based on Phase Sequence and muscle force condition for HAL. Advanced Robotics, 2005, 19, 717-734.	1.8	328
142	Quantitative Motion Control Analysis Method for Power Assist System Based on Human Motion Property. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2004, 70, 1115-1123.	0.2	3
143	Geometric Optimization for Non-Thrombogenicity of a Centrifugal Blood Pump through Flow Visualization. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2002, 45, 1013-1019.	0.3	11
144	Power Assist System HAL-3 for Gait Disorder Person. Lecture Notes in Computer Science, 2002, , 196-203.	1.3	214

#	ARTICLE	IF	CITATIONS
145	The Estimation of Cardiac Function from the Rotary Blood Pump. Artificial Organs, 2001, 25, 709-712.	1.9	9
146	HOJO-brain for motion control of robots and biological systems. Artificial Life and Robotics, 1998, 2, 162-169.	1.2	7
147	Motion Control System with Emergent Learning Ability and Simulation of Gait Control.. Journal of the Robotics Society of Japan, 1998, 16, 353-360.	0.1	3
148	Improvement of Nonlinear Systems Adaptive Control Performance by Hierarchical Learning. Transactions of the Society of Instrument and Control Engineers, 1995, 31, 1236-1238.	0.2	0
149	Distributed computation method for multi link system using digital signal processor. , 0, , .		0
150	Intention-Based Walking Support for Paraplegia Patients with Robot Suit HAL. , 0, , .		111