Yasuhisa Hasegawa

List of Publications by Year
in descending order

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291	2,710	393982 19	264894 42
papers	citations	h-index	g-index

292	292	292	1956
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intention-based walking support for paraplegia patients with Robot Suit HAL. Advanced Robotics, 2007, 21, 1441-1469.	1.1	442
2	Sit-to-Stand and Stand-to-Sit Transfer Support for Complete Paraplegic Patients with Robot Suit HAL. Advanced Robotics, 2010, 24, 1615-1638.	1.1	229
3	Self-tuning fuzzy modeling with adaptive membership function, rules, and hierarchical structure based on genetic algorithm. Fuzzy Sets and Systems, 1995, 71, 295-309.	1.6	172
4	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.	2.7	142
5	Standing-up motion support for paraplegic patient with Robot Suit HAL. , 2009, , .		88
6	Fall Detection and Prevention Control Using Walking-Aid Cane Robot. IEEE/ASME Transactions on Mechatronics, 2016, 21, 625-637.	3.7	73
7	Trajectory generation for biped locomotion robot. Mechatronics, 2000, 10, 67-89.	2.0	56
8	Stabilizing and Direction Control of Efficient 3-D Biped Walking Based on PDAC. IEEE/ASME Transactions on Mechatronics, 2009, 14, 712-718.	3.7	53
9	Five-fingered assistive hand with mechanical compliance of human finger. , 2008, , .		49
10	Three-dimensional hepatic lobule-like tissue constructs using cell-microcapsule technology. Acta Biomaterialia, 2017, 50, 178-187.	4.1	48
11	Self-scaling reinforcement learning for fuzzy logic controller-applications to motion control of two-link brachiation robot. IEEE Transactions on Industrial Electronics, 1999, 46, 1123-1131.	5.2	37
12	Gradual spatial pattern formation of homogeneous robot group. Information Sciences, 2005, 171, 431-445.	4.0	37
13	Shape-controlled high cell-density microcapsules by electrodeposition. Acta Biomaterialia, 2016, 37, 93-100.	4.1	37
14	Vertical ladder climbing motion with posture control for multi-locomotion robot. , 2008, , .		36
15	Multi-Locomotion Robotic Systems. Springer Tracts in Advanced Robotics, 2012, , .	0.3	36
16	Gait support for complete spinal cord injury patient by synchronized leg-swing with HAL. , 2011, , .		36
17	A study on a brachiation controller for a multi-locomotion robot â€" realization of smooth, continuous brachiation. Advanced Robotics, 2004, 18, 1025-1038.	1.1	34
18	Supernumerary Robotic Limbs: A Review and Future Outlook. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 623-639.	2.1	32

#	Article	IF	Citations
19	Electrical Impedance Spectroscopy for Detection of Cells in Suspensions Using Microfluidic Device with Integrated Microneedles. Applied Sciences (Switzerland), 2017, 7, 170.	1.3	31
20	Adaptive Proxy-Based Robust Control Integrated With Nonlinear Disturbance Observer for Pneumatic Muscle Actuators. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1756-1764.	3.7	31
21	Energy-based swing-back control for continuous brachiation of a multilocomotion robot. International Journal of Intelligent Systems, 2006, 21, 1025-1043.	3.3	30
22	Cooperative walk control of paraplegia patient and assistive system. , 2009, , .		30
23	Gait support for complete spinal cord injury patient by synchronized leg-swing with HAL. , 2011, , .		29
24	Tandem Stance Avoidance Using Adaptive and Asymmetric Admittance Control for Fall Prevention. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 542-550.	2.7	27
25	Modification of body schema by use of extra robotic thumb. ROBOMECH Journal, 2018, 5, .	0.9	24
26	A Cooperative Human-Robot Interface for Constrained Manipulation in Robot-Assisted Endonasal Surgery. Applied Sciences (Switzerland), 2020, 10, 4809.	1.3	21
27	Evaluation of fingertip force accuracy in different support conditions of exoskeleton. , 2011, , .		20
28	Human-Following Control of Cane-Type Walking-Aid Robot Within Fixed Relative Posture. IEEE/ASME Transactions on Mechatronics, 2022, 27, 537-548.	3.7	19
29	Multilocomotion Robot: Novel Concept, Mechanism, and Control of Bio-inspired Robot. , 2009, , 65-86.		17
30	Improvement of operability of extra robotic thumb using tactile feedback by electrical stimulation. , 2015, , .		16
31	Optimization-Based Constrained Trajectory Generation for Robot-Assisted Stitching in Endonasal Surgery. Robotics, 2021, 10, 27.	2.1	16
32	PDAC-Based 3-D Biped Walking Adapted to Rough Terrain Environment. Journal of Robotics and Mechatronics, 2012, 24, 37-46.	0.5	16
33	A Microfluidic Device for Hydrodynamic Trapping and Manipulation Platform of a Single Biological Cell. Applied Sciences (Switzerland), 2016, 6, 40.	1.3	15
34	Unified bipedal gait for autonomous transition between walking and running in pursuit of energy minimization. Robotics and Autonomous Systems, 2018, 103, 27-41.	3.0	15
35	Towards the development of an intuitive teleoperation system for human support robot using a VR device. Advanced Robotics, 2020, 34, 1239-1253.	1.1	15
36	Single Cell Mass Measurement Using Drag Force Inside Lab-on-Chip Microfluidics System. IEEE Transactions on Nanobioscience, 2015, 14, 927-934.	2.2	14

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37	Sleep Quality Estimation based on Chaos Analysis for Heart Rate Variability. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 43-49.	0.1	13
38	Motion Transfer Control From Walking to Brachiation Through Vertical Ladder Climbing for a Multi-Locomotion Robot. IEEE/ASME Transactions on Mechatronics, 2014, 19, 1681-1693.	3.7	13
39	Design method of brachiation controller based on virtual holonomic constraint. , 2007, , .		12
40	Wearable lower-limb assistive device for physical load reduction of caregiver on transferring support. , 2013, , .		12
41	Adaptive speed controller using swing leg motion for 3-D limit-cycle-based bipedal gait. Nonlinear Dynamics, 2016, 84, 2285-2304.	2.7	12
42	In vitro mimicking the morphology of hepatic lobule tissue based on Ca-alginate cell sheets. Biomedical Materials (Bristol), 2018, 13, 035004.	1.7	12
43	Admittance control based robotic clinical gait training with physiological cost evaluation. Robotics and Autonomous Systems, 2020, 123, 103326.	3.0	11
44	Optimal limb length ratio of quadruped robot minimising joint torque on slopes. Applied Bionics and Biomechanics, 2009, 6, 259-268.	0.5	10
45	Exoskeletal meal assistance system (EMAS II) for progressive muscle dystrophy patient. , 2011, 2011, 5975444.		10
46	Generation of Human-Like Movement from Symbolized Information. Frontiers in Neurorobotics, 2018, 12, 43.	1.6	10
47	Development of sense of self-location based on somatosensory feedback from finger tips for extra robotic thumb control. ROBOMECH Journal, 2019, 6, .	0.9	10
48	Development of Cultured Muscles with Tendon Structures for Modular Bio-Actuators. Micromachines, 2021, 12, 379.	1.4	10
49	Learning Algorithm for a Brachiating Robot. Applied Bionics and Biomechanics, 2003, 1, 57-66.	0.5	9
50	Performance evaluations of hand and forearm support system. , 2010, , .		9
51	Exoskeletal meal assistance system (EMAS II) for patients with progressive muscular disease. Advanced Robotics, 2013, 27, 1385-1398.	1.1	9
52	Batch Fabrication of Microscale Gear-Like Tissue by Alginate-Poly-L-lysine (PLL) Microcapsules System. IEEE Robotics and Automation Letters, 2016, 1, 206-212.	3.3	9
53	Gait modification for improving walking stability of exoskeleton assisted paraplegic patient. ROBOMECH Journal, 2020, 7, .	0.9	9
54	Mechanism and control of mechatronic system with higher degrees of freedom. Annual Reviews in Control, 2004, 28, 137-155.	4.4	8

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55	Analysis of Relationship between limb length and joint load in quadruped walking on the slope. , 2008, , .		8
56	Tongue motion-based operation of support system for paralyzed patients. , 2011, 2011, 5975359.		8
57	Advances in GPR-based landmine automatic detection. Journal of the Franklin Institute, 2011, 348, 66-78.	1.9	8
58	Predictive Optimization of Assistive Force in Admittance Control-Based Physical Interaction for Robotic Gait Assistance. IEEE Robotics and Automation Letters, 2019, 4, 3609-3616.	3.3	8
59	Enhancing the Transparency by Onomatopoeia for Passivity-Based Time-Delayed Teleoperation. IEEE Robotics and Automation Letters, 2020, 5, 2981-2986.	3.3	8
60	Fingertip stiffness control using antagonistic pairs of polyarticular tendons drive system. , 2009, , .		7
61	Active air mat for comfortable and easy to wear a forearm support system. , 2011, , .		7
62	Pseudo-proprioceptive motion feedback by electric stimulation. , 2012, , .		7
63	Optimal control of energetically efficient ladder decent motion with internal stress adjustment using key joint method. , 2012, , .		7
64	Pseudo-somatosensory feedback about joint's angle using electrode array. , 2014, , .		7
65	Selection of two arm-swing strategies for bipedal walking to enhance both stability and efficiency. Advanced Robotics, 2016, 30, 386-401.	1.1	7
66	Auricularis muscles based control interface for robotic extra thumb. , 2017, , .		7
67	Operational learning with sensory feedback for controlling a robotic thumb using the posterior auricular muscle. Advanced Robotics, 2019, 33, 243-253.	1.1	7
68	Head-Mounted Display-Based Microscopic Imaging System with Customizable Field Size and Viewpoint. Sensors, 2020, 20, 1967.	2.1	7
69	Vision-Based Mowing Boundary Detection Algorithm for an Autonomous Lawn Mower. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2016, 20, 49-56.	0.5	7
70	Structure Organization of Hierachical Fuzzy Model using Genetic Algorithm. Journal of Japan Society for Fuzzy Theory and Systems, 1995, 7, 988-996.	0.0	6
71	Quadruped Walking by Joint-interlocking Control Based on the Assumption of Point-contact (Comparison between Pace Gait and Crawl Gait Based on the Energy Consumption). Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2007, 73, 230-236.	0.2	6
72	Climbing up motion of the multi-locomotion robot (MLR) on vertical ladder with different gaits. International Journal of Mechatronics and Automation, 2011, 1, 190.	0.1	6

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73	Transition Motion from Ladder Climbing to Brachiation with Optimal Load-Allocation Control. Advanced Robotics, 2012, 26, 1075-1098.	1.1	6
74	Self-assembly of toroidal magnetic microstructures towards in vitro cell structures. , 2016, , .		6
75	Unified bipedal gait for walking and running by dynamics-based virtual holonomic constraint in PDAC. , 2016, , .		6
76	Microscopic Tracking System for Simultaneous Expansive Observations of Multiple Micro-targets Based on View-expansive Microscope. , 2019, , .		6
77	Impedance Control based Assistive Mobility Aid through Online Classification of Userâ€™s State. , 2019, , .		6
78	Construction of Hepatic-Lobule-Like 3-D Vascular Network in Cellular Structure by Manipulating Magnetic Fibers. IEEE/ASME Transactions on Mechatronics, 2020, 25, 477-486.	3.7	6
79	On-Chip Fabrication of Cell-Attached Microstructures using Photo-Cross-Linkable Biodegradable Hydrogel. Journal of Functional Biomaterials, 2020, 11, 18.	1.8	6
80	Towards physical interaction-based sequential mobility assistance using latent generative model of movement state. Advanced Robotics, 2021, 35, 64-79.	1.1	6
81	Control of the Lateral Motion in Biped Walking Based on the Assumption of Point-contact. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2006, 72, 1832-1839.	0.2	5
82	Study on wearable system for daily life support using McKibben pneumatic artificial muscle. , 2010, , .		5
83	3-D biped walking over rough terrain based on the assumption of point-contact. , 2010, , .		5
84	Locomotion selection of Multi-Locomotion Robot based on Falling Risk and moving efficiency. , 2012, , .		5
85	Pinching force accuracy affected by thumb sensation in human force augmentation. , 2012, , .		5
86	Tongue Motion Detection Based on BEP Signal around Frontal Neck by Using SVM. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2012, 78, 3970-3978.	0.2	5
87	Finger-mounted walk controller of powered exoskeleton for paraplegic patient's walk. , 2014, , .		5
88	Thin and active fixture to hold finger for easy attachment and comfort of grasping support exoskeleton. , 2015, , .		5
89	Adaptive walking load control for training physical strength using cane-type robot. , 2017, , .		5
90	Tapered Microfluidic for Continuous Micro-Object Separation Based on Hydrodynamic Principle. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 1413-1421.	2.7	5

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91	High-precision microinjection of microbeads into C. elegans trapped in a suction microchannel. , 2017, , .		5
92	Grasp-training Robot to Activate Neural Control Loop for Reflex and Experimental Verification. , 2018, , .		5
93	A clinical pilot study on posture stabilization via light contact with cane-type companion robot. ROBOMECH Journal, 2019, 6, .	0.9	5
94	Visual Feedback Control of a Rat Ankle Angle Using a Wirelessly Powered Two-Channel Neurostimulator. Sensors, 2020, 20, 2210.	2.1	5
95	Microinjection System to Enable Real-Time 3D Image Presentation Through Focal Position Adjustment. IEEE Robotics and Automation Letters, 2021, 6, 4025-4031.	3.3	5
96	Joint Stiffness Tuning of Exoskeleton Robot H2 by Tacit Learning. Lecture Notes in Computer Science, 2015, , 138-144.	1.0	5
97	Behavior coordination and its modification on a brachiation-type mobile robot. Advanced Robotics, 2000, 14, 397-398.	1.1	4
98	Learning algorithm for a brachiating robot. Applied Bionics and Biomechanics, 2003, 1, 57-66.	0.5	4
99	Mobile Mechanism Suitable for Rough Terrain Vehicle. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2004, 47, 646-652.	0.3	4
100	Automatic Land-mine Detection System using Adaptive Sensing with Vector GPR. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	4
101	Environment-Adaptive Antipersonnel Mine Detection System - Advanced Mine Sweeper. , 2006, , .		4
102	PDAC-based underactuated 3D bipedal walking - Stabilization of PDAC constants and walking direction control -. , 2009, , .		4
103	First report on passive exoskeleton for easy running: PEXER IV. , 2013, , .		4
104	Pneumatic tubular body fixture for wearable assistive device — Analysis and design of active cuff to hold upper limb —. , 2014, , .		4
105	Advantage of variable stiffness of human fingers for key insertion task. , 2014, , .		4
106	Tandem stance avoidance using adaptive and asymmetric admittance control for fall prevention. , 2015, , .		4
107	Electric stimulation feedback for gait control of walking robot. , 2015, , .		4
108	Optimal use of arm-swing for bipedal walking control. , 2015, , .		4

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109	Hand space change after use of extra robotic thumb. , 2016, , .		4
110	Muscle activity during gait-like motion provided by MRI compatible lower-extremity motion simulator. Advanced Robotics, 2016, 30, 459-475.	1.1	4
111	Somatosensory feedback improves operability of extra robotic thumb controlled by vestigial muscles. , 2017, , .		4
112	Robotics in Biomedical and Healthcare Engineering. Journal of Healthcare Engineering, 2017, 2017, 1-2.	1.1	4
113	A novel integrated dual microneedle-microfluidic impedance flow cytometry for cells detection in suspensions. International Journal of Electrical and Computer Engineering, 2017, 7, 1513.	0.5	4
114	Magnetic self-assembly of toroidal hepatic microstructures for micro-tissue fabrication. Biomedical Materials (Bristol), 2020, 15, 055001.	1.7	4
115	Self-Scaling Reinforcement Learning Algorithm for Generating Fuzzy Controller.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 1997, 40, 316-322.	0.3	3
116	A Study on Skill Acquisition based on Environment Information. Task Path Planning for Assembly Task Considering Uncertainty.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2000, 66, 1597-1604.	0.2	3
117	Locomotion Stabilization with Transition between Biped and Quadruped Walk based on Recognition of Slope. , 2008, , .		3
118	Optimal Limb Length Ratio of Quadruped Robot Minimising Joint Torque on Slopes. Applied Bionics and Biomechanics, 2009, 6, 259-268.	0.5	3
119	Transition motion from ladder climbing to brachiation for multi-locomotion robot. , 2009, , .		3
120	Vertical ladder climbing motion of pace gait with body motion control for a multi-locomotion robot. , 2009, , .		3
121	Pilot study of floor-reactive-force generator mounted on MRI compatible lower-extremity motion simulator. , 2012, , .		3
122	Locomotion Transition Scheme of Multi-Locomotion Robot. , 0, , .		3
123	MRI compatibility of lower-extremity motion simulator: LoMS. , 2015, , .		3
124	Electrodeposition of cell-laden alginate-PLL hydrogel structures for spatially selective entrapment. , 2015, , .		3
125	Virtual friction model for control of cane robot. , 2015, , .		3
126	Multi-graphene cubic structure fabricated by nanomanipulation. , 2015, , .		3

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127	Energetically Efficient Ladder Descent Motion With Internal Stress and Body Motion Optimized for a Multilocomotion Robot. IEEE Transactions on Industrial Electronics, 2015, 62, 4972-4984.	5.2	3
128	Coordinated movement algorithm for accompanying cane robot. , 2016, , .		3
129	Modeling of the high-speed running humanoid robot. , 2016, , .		3
130	Novel In situ nanomanipulation integrated with SEM-CT imaging system. , 2016, , .		3
131	Electric stimulation and cooperative control for paraplegic patient wearing an exoskeleton. Robotics and Autonomous Systems, 2017, 98, 204-212.	3.0	3
132	Effects of forced movements on learning: Findings from a choice reaction time task in rats. Learning and Behavior, 2017, 45, 191-204.	0.5	3
133	On-chip fabrication of movable toroidal cell structures using photo-crosslinkable biodegradable hydrogel. , 2017, , .		3
134	Theoretical approach for designing the rehabilitation robot controller. Advanced Robotics, 2019, 33, 674-686.	1.1	3
135	Control of Vehicle Cooperative Behavior in Non-Signalized Intersection. , 2007, , 421-430.		3
136	3-D Biped Walking Using Double Support Phase and Swing Leg Retraction Based on the Assumption of Point-Contact. Journal of Robotics and Mechatronics, 2012, 24, 866-875.	0.5	3
137	Active air mat for comfortable and easy to wear a forearm support system. , 2011, , .		3
138	Multi-site real-time tele-cooperation via the Internet. Advanced Robotics, 2003, 17, 235-251.	1.1	2
139	Energy Efficient Swing-Back Control for Brachiation Robot. , 2006, , .		2
140	Design method of brachitation controller based on virtual holonomic constraint. , 2007, , .		2
141	Vertical Ladder Climbing Motion with Posture Control Considering Gravitation Momentum for Multi-Locomotion Robot. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2009, 75, 524-531.	0.2	2
142	Locomotion transition scheme with instability evaluation using Bayesian Network. , 2010, , .		2
143	Walk-to-brachiate transfer of multi-locomotion robot with error recovery. , 2010, , .		2
144	Dynamic transition motion from ladder climbing to brachiation for a multi-locomotion robot. , 2010, , .		2

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145	Alternative interface system by using surface EMG of residual muscles for physically challenged person. , 2011, , .		2
146	3-D biped walking using double support phase based on the assumption of point-contact. , 2011, , .		2
147	Accuracy improvement of pinching force augmentation by exoskeleton. , 2012, , .		2
148	Stability enhancement of 3-D biped walking based on Passive Dynamic Autonomous Control. , 2012, , .		2
149	Superiority of pinching force accuracy augmented by exoskeletal support system. , 2013, , .		2
150	Gait control of powered exoskeleton with finger-mounted walk controller for paraplegic patient. , 2014, , .		2
151	Thin active fixture to hold finger for easy attachment and comfort of exoskeleton. , 2014, , .		2
152	Exoskeletal meal assistance system (EMAS III) for progressive muscle dystrophy patient. , 2014, , .		2
153	Aqueous imaging by SEM-CT system inside environmental-SEM. , 2015, , .		2
154	Electrostatic actuation of folded multi-graphene structure for nano-gripper. , 2016, , .		2
155	Quasi-passive dynamic autonomous control to enhance horizontal and turning gait speed control. , 2016, , .		2
156	Wearable assistive device for physical load reduction of caregiver - adaptive to caregiver's motion during transferring support. , 2016, , .		2
157	Acquisition of new body representation about extra robotic thumb by use of vestigial muscles. , 2017, , .		2
158	A concept of a user interface capable of intuitive operation of 4-DoF articulated forceps. , 2017, , .		2
159	Development of a novel wearable MRI-compatible finger assistive robot. , 2017, , .		2
160	Wearable Robotics for Motion Assistance and Rehabilitation [TC Spotlight]. IEEE Robotics and Automation Magazine, 2018, 25, 19-28.	2.2	2
161	Evaluating Shifted Body Representation and Modified Body Schema Using Extra Robotic Thumb. , 2018, , .		2
162	Flower Stick Manipulation Based on the High-speed Visual Feedback Control of a Dual Robotic Arm. IFAC-PapersOnLine, 2018, 51, 209-213.	0.5	2

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163	Experimental Evaluation of Haptic Visualization Interface for Robot Teleoperation Using Onomatopoeia in a Haptic Recognition Task. , 2018, , .		2
164	Precise Foot Positioning of Walking Robot for Paraplegic Patient Wearing Exoskeleton by Using Electrical Stimulation Feedback. Journal of Mechanisms and Robotics, 2018, 10, .	1.5	2
165	Medial part thickness of wearable device affecting running motion. ROBOMECH Journal, 2019, 6, .	0.9	2
166	Design of an Wearable MRI-Compatible Hand Exoskeleton Robot. Lecture Notes in Computer Science, 2017, , 242-250.	1.0	2
167	Facilitation of Learning and Rehabilitation in Rats by Inducing Response-like Movement. Advanced Biomedical Engineering, 2013, 2, 72-79.	0.4	2
168	Hybrid Approach of Genetic Algorithm and Learning Automata on Flexible Transfer System.. Journal of the Robotics Society of Japan, 2001, 19, 593-602.	0.0	2
169	Study on Brachiation Controller for the Multi-locomotion Robot-Energy-based Swing-back Control-. Journal of the Robotics Society of Japan, 2005, 23, 993-1001.	0.0	2
170	Biological Rhythm Based Wearable Sleep State Observer. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2007, 11, 232-241.	0.5	2
171	Control of Smooth Biped Walking by Means of Heel-Off Motion. Journal of Robotics and Mechatronics, 2007, 19, 353-360.	0.5	2
172	Environment-adaptive Anti-personnel Mine Detection System: Advanced Mine Sweeper. , 2009, , 85-101.		2
173	Intuitive Remote Robotic Nasal Sampling by Orientation Control With Variable RCM in Limited Space. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 646-655.	2.1	2
174	Learning Method for Multi-Controller for Robot Behavior. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1997, 63, 2043-2051.	0.2	1
175	Distributed Control of Flexible Transfer System (FTS) Using Learning Automata.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2000, 66, 1919-1926.	0.2	1
176	A Study of the Brachiation Type of Mobile Robot. 7th Report. Behavior Learning for Hierarchical Behavior-based Controller.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2001, 67, 3204-3211.	0.2	1
177	Motion Control of Landmine Detection Vehicle Equipped with Low-Ground-Pressure Tires. , 2006, , .		1
178	Stability Proof of Biped Walking Control based on Point-Contact. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	1
179	Fingertip stiffness control using polyarticular tendon drive system. , 2009, , .		1
180	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

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181	Three-dimensional bipedal walking control based on adaptation of PDAC constants. , 2010, , .		1
182	Vertical ladder climbing down motion with internal stress adjustment for a multi-locomotion robot. , 2011, , .		1
183	Generic bioelectrical potential signal human-computer interface with electrostimulation feedback. , 2012, , .		1
184	Local microinjection near nerve axon of C. elegans with hydro-gel beads based on micromanipulation. , 2014, , .		1
185	Lab in a Droplet (LiD): Self-assembly method of microstructures inside a Droplet. , 2014, , .		1
186	Wearable assistive device for lower limbs of caregiver on transferring support. , 2014, , .		1
187	Cross-sectional imaging of C. elegans by SEM-CT using Environmental SEM for nanomanipulation. , 2014, , .		1
188	In situ nanomanipulation with 3D SEM-CT observation inside environmental SEM. , 2015, , .		1
189	Survival microinjection into C. elegans with in vivo observation based on micromanipulation. , 2015, , .		1
190	Microchannel fabrication by local melting of hydrogel toward in vitro 3D cell structures. , 2015, , .		1
191	Local guiding of C. elegans inside micro-channel for injection operation. , 2015, , .		1
192	On-chip fabrication of bio-degradable microstructures. , 2015, , .		1
193	Lab in a Droplet (LiD): Self-assembly of micro-nano structures inside a Droplet using surface tension. , 2015, , .		1
194	Nanotool Feeding System for efficient nanomanipulation inside Electron Microscope. , 2016, , .		1
195	Self-assembly of magnetized microstructures for in vitro cell systems. , 2016, , .		1
196	Virtual-dynamics-based reference gait speed generator for limit-cycle-based bipedal gait. ROBOMECH Journal, 2018, 5, .	0.9	1
197	Microscopic Image Presentation Apparatus for Micro Manipulation Based on the View Expansion Microscope System. , 2018, , .		1
198	Development of Wearable Robotic System for Finger Movement Assistance. , 2018, , .		1

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199	Compatibility Test on Lower-Extremity Motion and Sensory Simulator to fMRI. , 2012, , .		1
200	View-expansive Microscope System with Real-time High-resolution Imaging for Simplified Microinjection Experiments. , 2021, , .		1
201	Behaviour Adaption on Behavior-Based Controller for Brachiation Robot. Lecture Notes in Computer Science, 1999, , 294-303.	1.0	1
202	Micro- and nanotechnology for living machines. , 2018, , .		1
203	View Expansion Microscope based on Viewpoint Movement using a Galvano Mirror and Focus Adjustment using an Electrically Tunable Lens. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2019, 2A1-M01.	0.0	1
204	Automatic Generation Algorithm of Hierarchical Fuzzy Inference by Genetic Algorithm.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1994, 60, 1735-1742.	0.2	0
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