Keigo Watanabe

List of Publications by Year
in descending order

310	2,112	430874	414414
papers	citations	18 h-index	32 g-index

314	314	314	1003
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Feedback Control of an Omnidirectional Autonomous Platform for Mobile Service Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 1998, 22, 315-330.	3.4	161
2	CAD/CAM-based position/force controller for a mold polishing robot. Mechatronics, 2007, 17, 207-216.	3.3	130
3	Robotic sanding system for new designed furniture with free-formed surface. Robotics and Computer-Integrated Manufacturing, 2007, 23, 371-379.	9.9	83
4	Central pattern generators based on Matsuoka oscillators for the locomotion of biped robots. Artificial Life and Robotics, 2008, 12, 264-269.	1.2	56
5	Analysis and Control for an Omnidirectional Mobile Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2000, 27, 3-20.	3.4	48
6	Modular Fuzzy-Neuro Controller Driven by Spoken Language Commands. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 293-302.	5.0	47
7	Learning algorithms for neural networks with the Kalman filters. Journal of Intelligent and Robotic Systems: Theory and Applications, 1990, 3, 305-319.	3.4	44
8	An adaptive control for CARMA systems using linear neural networks. International Journal of Control, 1992, 56, 483-497.	1.9	34
9	Biomimetics Robots From Bio-inspiration to Implementation. , 2007, , .		33
10	Development of CAM system based on industrial robotic servo controller without using robot language. Robotics and Computer-Integrated Manufacturing, 2013, 29, 454-462.	9.9	32
11	A decentralized control system for cooperative transportation by multiple non-holonomic mobile robots. International Journal of Control, 2004, 77, 949-963.	1.9	28
12	Learning algorithms of layered neural networks via extended Kalman filters. International Journal of Systems Science, 1991, 22, 753-768.	5.5	26
13	An optimized Takagi-Sugeno type neuro-fuzzy system for modeling robot manipulators. Neural Computing and Applications, 2006, 15, 55-61.	5.6	26
14	Controlling a robot manipulator with fuzzy voice commands using a probabilistic neural network. Neural Computing and Applications, 2007, 16, 155-166.	5.6	26
15	A sequential failure detection approach and the identification of failure parameters. International Journal of Systems Science, 1979, 10, 827-836.	5.5	23
16	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2000, 29, 257-275.	3.4	23
17	Intelligent Control Based on Flexible Neural Networks. , 1999, , .		22
18	Feed Rate Control Using Fuzzy Reasoning for a Mold Polishing Robot. Journal of Robotics and Mechatronics, 2006, 18, 76-82.	1.0	22

#	Article	IF	Citations
19	Simulation of Fine Gain Tuning Using Genetic Algorithms for Model-Based Robotic Servo Controllers. , 2007, , .		21
20	Fuzzy behavior-based control trained by module learning to acquire the adaptive behaviors of mobile robots. Mathematics and Computers in Simulation, 2000, 51, 233-243.	4.4	20
21	Polishing Robot Using Joystick Controlled Teaching. Journal of Robotics and Mechatronics, 2001, 13, 517-525.	1.0	20
22	A new forward-pass fixed-interval smoother using the U-D information matrix factorization. Automatica, 1986, 22, 465-475.	5.0	19
23	A Real-Time Kinematics on the Translational Crawl Motion of a Quadruped Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 2000, 29, 111-131.	3.4	19
24	Energy-optimal gait analysis of quadruped robots. Artificial Life and Robotics, 2002, 6, 120-125.	1.2	19
25	Path Tracking Based on Closed-Loop Control for a Quadruped Robot in a Cluttered Environment. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2002, 124, 272-280.	1.6	18
26	Adaptive actor-critic learning for the control of mobile robots by applying predictive models. Soft Computing, 2005, 9, 835-845.	3.6	18
27	Generalized pseudo-Bayes estimation and detection for abruptly changing systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 1993, 7, 95-112.	3.4	17
28	Autonomous Control for an Omnidirectional Mobile Robot with the Orthogonal-Wheel Assembly.. Journal of the Robotics Society of Japan, 1999, 17, 51-60.	0.1	16
29	Machining robot with vibrational motion and 3D printer-like data interface. International Journal of Automation and Computing, 2018, 15, 1-12.	4.5	16
30	Development of Post-processor Module of 5-Axis Control NC Machine Tool with Tilting-Head for Woody Furniture.. Journal of the Japan Society for Precision Engineering, 1996, 62, 1203-1207.	0.1	15
31	Neural network controller with flexible structure based on feedback-error-learning approach. Journal of Intelligent and Robotic Systems: Theory and Applications, 1996, 15, 367-387.	3.4	15
32	Basic performance of a desktop NC machine tool with compliant motion capability. , 2008, , .		15
33	On the relationship between the Lagrange multiplier method and the two-filter smoother. International Journal of Control, 1985, 42, 391-410.	1.9	14
34	Implementation of omnidirectional crawl for a quadruped robot. Advanced Robotics, 2001, 15, 169-190.	1.8	14
35	Control of Underactuated Manipulators using Fuzzy Logic Based Switching Controller. Journal of Intelligent and Robotic Systems: Theory and Applications, 2003, 38, 155-173.	3.4	14
36	Posture control of robot manipulators with fuzzy voice commands using a fuzzy coachâ€“player system. Advanced Robotics, 2007, 21, 293-328.	1.8	14

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37	Biped locomotion using CPG with sensory interaction. , 2009, , .		14
38	Underactuated control for nonholonomic mobile robots by using double integrator model and invariant manifold theory. , 2010, , .		14
39	A hierarchical multiple model adaptive control of discrete-time stochastic systems for sensor and actuator uncertainties. Automatica, 1990, 26, 875-886.	5.0	13
40	Cooperative swarm control for multiple mobile robots using only information from PSD sensors. Artificial Life and Robotics, 2011, 16, 116-120.	1.2	13
41	Defect detection method using deep convolutional neural network, support vector machine and template matching techniques. Artificial Life and Robotics, 2019, 24, 512-519.	1.2	13
42	Fuzzy-neural network controllers using mean-value-based functional reasoning. Neurocomputing, 1995, 9, 39-61.	5.9	12
43	Intelligent desktop NC machine tool with compliant motion capability. Artificial Life and Robotics, 2009, 13, 423-427.	1.2	12
44	Intelligent machining system for the artistic design of wooden paint rollers. Robotics and Computer-Integrated Manufacturing, 2009, 25, 680-688.	9.9	12
45	The Design of Central Pattern Generators Based on the Matsuoka Oscillator to Generate Rhythmic Human-Like Movement for Biped Robots. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2007, 11, 946-955.	0.9	12
46	Optimal non-linear estimation for distributed-parameter systems via the partition theorem. International Journal of Systems Science, 1980, 11, 1113-1130.	5.5	11
47	Decentralized two-filter smoothing algorithms in discrete-time systems. International Journal of Control, 1986, 44, 49-63.	1.9	11
48	Dynamic Model and Control for a Holonomic Omnidirectional Mobile Robot. Autonomous Robots, 2001, 11, 173-189.	4.8	11
49	Fuzzy self-adaptive radial basis function neural network-based control of a seven-link redundant industrial manipulator. Advanced Robotics, 2001, 15, 17-43.	1.8	11
50	Translational Crawl and Path Tracking of a Quadruped Robot. Journal of Field Robotics, 2002, 19, 569-584.	0.7	11
51	Joystick Teaching System for Industrial Robots Using Fuzzy Compliance Control. , 2006, , .		11
52	Improvement of group performance of job distributed mobile robots by an emotionally biased control system. Artificial Life and Robotics, 2008, 12, 245-249.	1.2	11
53	Sliding mode control and a variable structure system observer as a dual problem for systems with non-linear uncertainties. International Journal of Systems Science, 1992, 23, 1991-2001.	5.5	10
54	Bioengineering. A Study of an EMG-Based Exoskeletal Robot for Human Shoulder Motion Support.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2001, 44, 1133-1141.	0.3	10

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55	Control of three degrees-of-freedom underactuated manipulator using fuzzy based switching. Artificial Life and Robotics, 2004, 8, 153-158.	1.2	10
56	An emotion-based task sharing approach for a cooperative multiagent robotic system. , 2008, , .		10
57	A desktop NC machine tool with a position/force controller using a fine-velocity pulse converter. Mechatronics, 2009, 19, 671-679.	3.3	10
58	A discontinuous exponential stabilization law for an underactuated X4-AUV. Artificial Life and Robotics, 2013, 17, 463-469.	1.2	10
59	Generation of triangulated patches smoothed from original point cloud data with noise and its application to robotic machining. , 2016, , .		10
60	Impedance Control Using Anisotropic Fuzzy Environment Models. Journal of Robotics and Mechatronics, 1999, 11, 60-66.	1.0	10
61	Task allocation with a cooperative plan for an emotionally intelligent system of multi-robots. , 2007, , .		9
62	Understanding user commands by evaluating fuzzy linguistic information based on visual attention. Artificial Life and Robotics, 2009, 14, 48-52.	1.2	9
63	Interpreting Fuzzy Linguistic Information by Acquiring Robot's Experience Based on Internal Rehearsal. Journal of System Design and Dynamics, 2010, 4, 297-313.	0.3	9
64	Adaptive learning with large variability of teaching signals for neural networks and its application to motion control of an industrial robot. International Journal of Automation and Computing, 2011, 8, 54-61.	4.5	9
65	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2001, 32, 255-277.	3.4	8
66	Evolutionary Computations. Studies in Fuzziness and Soft Computing, 2004, , .	0.8	8
67	Adaptation of robot behaviors toward user perception on fuzzy linguistic information by fuzzy voice feedback. , 2009, , .		8
68	Adaptation of robotâ€™s perception of fuzzy linguistic information by evaluating vocal cues for controlling a robot manipulator. Artificial Life and Robotics, 2010, 15, 5-9.	1.2	8
69	Interpretation of fuzzy voice commands for robots based on vocal cues guided by user's willingness. , 2010, , .		8
70	Desktop orthogonal-type robot with abilities of compliant motion and stick-slip motion for lapping of LED lens molds. , 2010, , .		8
71	A nonholonomic control method for stabilizing an X4-AUV. Artificial Life and Robotics, 2011, 16, 202-207.	1.2	8
72	Image-based fuzzy trajectory tracking control for four-wheel steered mobile robots. Artificial Life and Robotics, 2012, 17, 130-135.	1.2	8

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73	Fuzzy feed rate controller for a machining robot. , 2014, , .		8
74	Motion Analysis of a Manta Robot for Underwater Exploration by Propulsive Experiments and the Design of Central Pattern Generator. International Journal of Automation Technology, 2014, 8, 231-237.	1.0	8
75	Stereo-vision-based AUV navigation system for resetting the inertial navigation system error. Artificial Life and Robotics, 2022, 27, 165-178.	1.2	8
76	Control of three-link underactuated manipulators using a switching method of fuzzy energy regions. Artificial Life and Robotics, 2008, 12, 258-263.	1.2	7
77	Automatic control of an orthogonal-type robot with a force sensor and a small force input device. , 2011, , .		7
78	A proposal of experimental education system of mechatronics. Artificial Life and Robotics, 2013, 17, 378-382.	1.2	7
79	A pectoral fin analysis for diving rajiform-type fish robots by fluid dynamics. Artificial Life and Robotics, 2014, 19, 136-141.	1.2	7
80	Tip-over stability enhancement for omnidirectional mobile robot. International Journal of Intelligent Unmanned Systems, 2014, 2, 91-106.	1.0	7
81	Design of an image-based fuzzy controller for autonomous parking of four-wheeled mobile robots. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 859-865.	0.6	7
82	Joint Positions and Robot Stability of the Omnidirectional Crawling Quadruped Robot. Journal of Robotics and Mechatronics, 1999, 11, 510-517.	1.0	7
83	Profiling Control for Industrial Robots Using a Position Compensator Based on Cutter Location Data.. Journal of the Japan Society for Precision Engineering, 2000, 66, 473-477.	0.1	7
84	Optimal filtering and smoothing algorithms for linear distributed-parameter systems with pointwise observation. International Journal of Systems Science, 1981, 12, 325-349.	5.5	6
85	Two-stage bias correction estimators based on generalized partitioning estimation methodâ€. International Journal of Control, 1983, 38, 621-637.	1.9	6
86	A Fuzzy-Neural Realization of Behavior-Based Control Systems for a Mobile Robot. Studies in Fuzziness and Soft Computing, 1998, , 1-26.	0.8	6
87	A Fuzzy Behavior-Based Control for Mobile Robots Using Adaptive Fusion Units. Journal of Intelligent and Robotic Systems: Theory and Applications, 2005, 42, 27-49.	3.4	6
88	Fuzzy Switching Control of Underactuated Manipulators with Approximated Switching Regions. , 2006, , .		6
89	Intelligent control for avoiding the joint limits of redundant planar manipulators. Artificial Life and Robotics, 2006, 10, 141-148.	1.2	6
90	Feature extractions for estimating human behaviors via a binocular vision head. , 2007, , .		6

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91	Bipedal Locomotion Control via CPGs with Coupled Nonlinear Oscillators. , 2007, , .		6
92	Bioinspiration and emerging actuator technologies. Artificial Life and Robotics, 2012, 17, 191-196.	1.2	6
93	Positioning device for outdoor mobile robots using optical sensors and lasers. Advanced Robotics, 2013, 27, 1147-1160.	1.8	6
94	A CPG design of considering the attitude for the propulsion control of a Manta robot. , 2013, , .		6
95	Machining robot for foamed polystyrene materials using fuzzy feed rate controller. International Journal of Mechatronics and Automation, 2015, 5, 34.	0.2	6
96	iOS application for quadrotor remote control. Artificial Life and Robotics, 2017, 22, 374-379.	1.2	6
97	Detection of minute defects using transfer learning-based CNN models. Artificial Life and Robotics, 2021, 26, 35-41.	1.2	6
98	Feedback linearization control for a tandem rotor UAV robot equipped with two 2-DOF tiltable coaxial-rotors. Artificial Life and Robotics, 2021, 26, 259-268.	1.2	6
99	Mean-value-based functional reasoning techniques in the development of fuzzy neural network control systems. Neural Network Systems Techniques and Applications, 1998, , 243-284.	0.0	6
100	Intelligent Interface Using Natural Voice and Vision for Supporting the Acquisition of Robot Behaviors. , 2006, , .		5
101	A Sensor Fusion Technique Using Visual and Ultrasonic Information to Acquire Obstacle Avoidance Behaviors for Quadruped Robots. , 2006, , .		5
102	A fuzzy logic based approach to the SLAM problem using pseudolinear models with multiframe data association. Artificial Life and Robotics, 2008, 13, 155-161.	1.2	5
103	Simultaneous Localization and Mapping: A Pseudolinear Kalman Filter (PLKF) Approach. , 2008, , .		5
104	CAD/CAM-based Position/Force Control for a Ball-End Abrasive Tool and Its Application to an Industrial Robot. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2008, 2, 742-752.	0.7	5
105	Behavior generation in robots by emotional motivation. , 2009, , .		5
106	CAD/CAM-based force controller using a neural network-based effective stiffness estimator. Artificial Life and Robotics, 2010, 15, 101-105.	1.2	5
107	A study of tipping stability for omnidirectional mobile robot with active dual-wheel caster assemblies. Artificial Life and Robotics, 2012, 17, 145-151.	1.2	5
108	Tip-over Prediction for Omnidirectional Mobile Robot. Procedia Engineering, 2012, 41, 1085-1094.	1.2	5

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109	Obstacle avoidance for mobile robots using an image-based fuzzy controller. , 2013, , .		5
110	Development of iOS application handlers for quadrotor UAV remote control and monitoring. , 2017, , .		5
111	Influence on the propulsive performance due to the difference in the fin shape of a robotic manta. Artificial Life and Robotics, 2017, 22, 276-282.	1.2	5
112	An automatic parking system using an optimized image-based fuzzy controller by genetic algorithms. Artificial Life and Robotics, 2017, 22, 139-144.	1.2	5
113	Development of an Aerial Robot That Has Multifunctional Locomotion Modes with Tilted Coaxial Rotors. , 2018, , .		5
114	Fuzzy Control for Robot Manipulators with Artificial Rubber Muscles. , 1994, , 493-510.		5
115	The Polishing Robot for PET Bottle Molds Using a Fuzzy Force Controller. The Proceedings of Conference of Kyushu Branch, 2004, 2004.57, 393-394.	0.0	5
116	An Interface between an Exoskeletal Elbow Motion Assistance Robot and the Human Upper Arm. Journal of Robotics and Mechatronics, 2002, 14, 439-452.	1.0	5
117	Dynamic Control for a Holonomic and Omnidirectional Mobile Robot with Active Dual-Wheel Caster Assemblies.. Journal of the Robotics Society of Japan, 2002, 20, 187-195.	0.1	5
118	Generalized Chandrasekhar algorithms for distributed-parameter filtering problem with pointwise coloured measurement noise. International Journal of Systems Science, 1982, 13, 619-637.	5.5	4
119	Partitioned estimators based on the perturbed Kalman filter equations. International Journal of Systems Science, 1983, 14, 1115-1128.	5.5	4
120	A passive type multiple-model adaptive control (MMAC) of linear discrete-time stochastic systems with uncertain observation subsystems. International Journal of Systems Science, 1984, 15, 647-659.	5.5	4
121	Multiple-model adaptive control for jump-linear stochastic systems. International Journal of Control, 1989, 50, 1603-1617.	1.9	4
122	Rotational control of an omnidirectional mobile robot using a fuzzy servo controller. Advanced Robotics, 1997, 12, 171-189.	1.8	4
123	A Nonlinear Robust Control Using a Fuzzy Reasoning and Its Application to a Robot Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 1997, 20, 275-294.	3.4	4
124	Evolving a multiobjective obstacle avoidance skill of a seven-link manipulator subject to constraints. International Journal of Systems Science, 2004, 35, 167-178.	5.5	4
125	Solution to global stability of fuzzy regulators via evolutionary computation. Applied Soft Computing Journal, 2004, 4, 25-34.	7.2	4
126	Neural network approach to acquiring free-gait motion of quadruped robots in obstacle avoidance. Artificial Life and Robotics, 2005, 9, 188-193.	1.2	4

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127	Neural Oscillators with a Sigmoidal Function for the CPG of Biped Robot Walking. , 2007, , .		4
128	A fuzzy logic based approach to the SLAM problem using pseudolinear models with two sensors data association. , 2007, , .		4
129	Locomotion pattern generation of semi-looper type robots using central pattern generators based on van der Pol oscillators. , 2008, , .		4
130	Impedance model force control using a neural network-based effective stiffness estimator for a desktop NC machine tool. Journal of Manufacturing Systems, 2009, 28, 78-87.	13.9	4
131	Propulsion movement control using CPG for a Manta robot. , 2012, , .		4
132	Underactuated control for an X4-AUV using partial linearization and attitude linearization. , 2013, , .		4
133	Visual feedback control of quadrotor by object detection in movies. Artificial Life and Robotics, 2020, 25, 488-494.	1.2	4
134	Defect detection in wrap film product using compact convolutional neural network. Artificial Life and Robotics, 2021, 26, 360-366.	1.2	4
135	Pick and Place Robot Using Visual Feedback Control and Transfer Learning-Based CNN. , 2020, , .		4
136	Indoor Self-Localization Using Multiple Magnetic Sensors. Journal of Robotics and Mechatronics, 2019, 31, 203-211.	1.0	4
137	Performance Test of a Force Controlled Robot Sander Using a Surface Following Controller Based on Cutter Location Data.. Journal of the Japan Society for Precision Engineering, 2002, 68, 953-957.	0.1	4
138	An alternative approach to the derivation of distributed-type partitioned filters. International Journal of Systems Science, 1981, 12, 351-356.	5.5	3
139	Optimal partitioned filter of stochastic distributed parameter dynamical systems with unknown initial state. Journal of the Franklin Institute, 1983, 315, 347-385.	3.4	3
140	Scattering framework for backwards partitioned estimators. International Journal of Systems Science, 1985, 16, 553-572.	5.5	3
141	A Decentralized Multiple Model Adaptive Filtering for Discrete-Time Stochastic Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1989, 111, 371-377.	1.6	3
142	Controls of servomotors for carry hospital robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 1993, 7, 353-369.	3.4	3
143	Fuzzy Behavior-Based Control. 1st Report. A Proposal of Control System Realization.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1998, 64, 1278-1286.	0.2	3
144	An Upper Drive-Active Dual-Wheel Caster Assembly and its Application for Constructing Holonomic and Omnidirectional Platform. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 405-410.	0.4	3

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145	A HUMANLIKE GRASPING FORCE PLANNER FOR OBJECT MANIPULATION BY ROBOT MANIPULATORS. Cybernetics and Systems, 2003, 34, 645-662.	2.5	3
146	A study on constructing a neuro-interface using the concept of a virtual masterâ€“slave system. Artificial Life and Robotics, 2005, 9, 51-57.	1.2	3
147	An Approach to Estimating Human Behaviors by Using an Active Vision Head. , 2006, , .		3
148	Simultaneous localization and mapping (SLAM) based on pseudolinear measurement model with a bias reduction approach. , 2007, , .		3
149	An Adaptive Actor-critic Algorithm with Multi-step Simulated Experiences for Controlling Nonholonomic Mobile Robots. Soft Computing, 2007, 11, 81-89.	3.6	3
150	A computational model of emotion through the perspective of benevolent agents for a cooperative task. Artificial Life and Robotics, 2008, 13, 162-166.	1.2	3
151	Generation of obstacle avoidance behaviors for quadruped robots using finite automaton. , 2008, , .		3
152	Interactive Dialogue for Behavior Teaching to Robots based on Primitive Behaviors with Fuzzy Voice Commands. , 2008, , .		3
153	Kinematics-based control of underactuated vehicles with four-inputs and six-states by applying invariant manifolds. , 2009, , .		3
154	T-S fuzzy model adopted SLAM algorithm with linear programming based data association for mobile robots. , 2009, , .		3
155	Path Planning and a Mobile Robot Navigation Method Based on a Human Frequency Map. Journal of Control, Automation and Electrical Systems, 2013, 24, 87-96.	2.0	3
156	Study on mobile mechanism of a climbing robot for stair cleaning: a translational locomotion mechanism and turning motion. Artificial Life and Robotics, 2013, 17, 400-404.	1.2	3
157	Tip-over stability control for a holonomic omnidirectional mobile robot with active dual-wheel caster assemblies using SGCMG. , 2013, , .		3
158	Polishing robot for pet bottle blow molds. , 2013, , 141-225.		3
159	Multiple mobile robots system with network-based subsumption architecture. International Journal of Mechatronics and Manufacturing Systems, 2013, 6, 57.	0.1	3
160	Offline gain optimization in kinodynamic motion planning based on a harmonic potential field. Artificial Life and Robotics, 2014, 19, 47-54.	1.2	3
161	The stabilization of attitude of a Manta robot by a mechanism for moving the center of gravity and improvement of diving ability. , 2016, , .		3
162	Design of 3D Printer-Like Data Interface for a Robotic Removable Machining. Lecture Notes in Computer Science, 2016, , 40-50.	1.3	3

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163	Application of fuzzy reasoning and neural network to feed rate control of a machining robot. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 897-905.	0.6	3
164	Reverse and Forward Post Processors for a Robot Machining System. Lecture Notes in Computer Science, 2017, , 70-78.	1.3	3
165	Development of post-processor approach for an industrial robot FANUC R2000iC. Artificial Life and Robotics, 2018, 23, 186-191.	1.2	3
166	Mission planning of iOS application for a quadrotor UAV. Artificial Life and Robotics, 2018, 23, 428-433.	1.2	3
167	Visibility improvement in relation to turbidity and distance, and application to docking. Artificial Life and Robotics, 2020, 25, 453-465.	1.2	3
168	Fuzzy Behavior-Based Control for a Task of Three-Link Manipulator with Obstacle Avoidance. Journal of Robotics and Mechatronics, 1999, 11, 502-509.	1.0	3
169	Generation of a Pathway Map Based on Observing Human Positions in an Intelligent Environment and Its Application to the Path Planning of a Mobile Robot. Transactions of the Society of Instrument and Control Engineers, 2011, 47, 631-639.	0.2	3
170	Flight control system design for a tandem rotor UAV robot in the presence of wind field disturbances. Artificial Life and Robotics, 0, , .	1.2	3
171	Fuzzy Controller Design Using the Mean-Value-Based Functional Reasoning. Transactions of the Society of Instrument and Control Engineers, 1995, 31, 1106-1113.	0.2	3
172	Application of pseudolinear partitioned filter to passive vehicle trackingâ€. International Journal of Systems Science, 1984, 15, 959-975.	5.5	2
173	Decentralized Fixed-Interval Smoothing Algorithms. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1986, 108, 86-89.	1.6	2
174	Discrete-time forward-pass smoothers in distributed-sensor networks. International Journal of Systems Science, 1988, 19, 1375-1385.	5.5	2
175	Control of Chaotic Systems Using Fuzzy Model-Based Regulators. Lecture Notes in Computer Science, 1999, , 248-256.	1.3	2
176	Initial configuration dependence in a self-organizing robot. Artificial Life and Robotics, 1999, 3, 160-165.	1.2	2
177	Autonomous Trajectory Planning of Mobile Robots Using an Evolution Strategy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 8468-8473.	0.4	2
178	Fuzzy Behavior-Based Control. 2nd Report, Learning with a Virus-Evolutionary Genetic Algorithm with Species.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2000, 66, 174-181.	0.2	2
179	Two-stage adaptive robot position/force control using fuzzy reasoning and neural networks. Advanced Robotics, 2000, 14, 153-168.	1.8	2
180	Control for a rings gymnastic robot using fuzzy reasoning and genetic algorithms. Artificial Life and Robotics, 2002, 6, 113-119.	1.2	2

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181	Self-Adaptive Output Tracking with Applications to Active Binocular Tracking. Journal of Intelligent and Robotic Systems: Theory and Applications, 2003, 36, 129-147.	3.4	2
182	An Active Binocular Vision Head, Its Kinematic Analysis and Derivation of Equations of Motion. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 754-765.	0.3	2
183	The Design ofWave Shape for Coupled Van del Pol Oscillators. , 2006, , .		2
184	Acquisition of Obstacle Avoidance Behaviors for a Quadruped Robot Using Visual and Ultrasonic Sensors. , 2006, , .		2
185	An Action Decision Mechanism Using Fuzzy-Neural Network in Voice Commanded Fuzzy Coach-Player System for Robots. , 2006, , .		2
186	Giving robots some feelings towards interaction with humans in ubiquitous environment. , 2007, , .		2
187	A Neuro-interface with fuzzy compensator for controlling nonholonomic mobile robots. Neural Computing and Applications, 2008, 17, 449-461.	5.6	2
188	Controlling a robot manipulator with fuzzy voice commands guided by visual motor coordination learning. , 2008, , .		2
189	Estimation system of human behaviors using fuzzy neural network based object selection. , 2008, , .		2
190	Control of three-link underactuated manipulators by a logic-based switching method. , 2009, , .		2
191	Tâ€“S fuzzy model adopted SLAM algorithm with linear programming based data association for mobile robots. Soft Computing, 2010, 14, 345-364.	3.6	2
192	Visual evaluation and fuzzy voice commands for controlling a robot manipulator. International Journal of Mechatronics and Manufacturing Systems, 2010, 3, 244.	0.1	2
193	Controller design of desktop-size NC machine tool with multi-application function. International Journal of Advanced Manufacturing Technology, 2011, 57, 1029-1041.	3.0	2
194	Stabilization of a Fire Truck Robot by an Invariant Manifold Theory. Procedia Engineering, 2012, 41, 1095-1104.	1.2	2
195	Network-based subsumption architecture for multiple mobile robots system. , 2012, , .		2
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