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	Stereo-vision-based AUV navigation system for resetting the inertial navigation system error. Artificial Life and Robotics, 2022, 27, 165-178.	1.2	8
2	Visual Feedback Control Through Real-Time Movie Frames for Quadcopter With Object Count Function and Pick-and-Place Robot With Orientation Estimator. Advances in Computational Intelligence and Robotics Book Series, 2022, , 99-116.	0.4	0
3	Detection of minute defects using transfer learning-based CNN models. Artificial Life and Robotics, 2021, 26, 35-41.	1.2	6
4	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
5	Defect detection in wrap film product using compact convolutional neural network. Artificial Life and Robotics, 2021, 26, 360-366.	1.2	4
6	Visual Feedback Control and Transfer Learning-Based CNN for a Pick and Place Robot on a Sliding Rail. , 2021, , .		1
7	Visual feedback control of quadrotor by object detection in movies. Artificial Life and Robotics, 2020, 25, 488-494.	1.2	4
8	Visibility improvement in relation to turbidity and distance, and application to docking. Artificial Life and Robotics, 2020, 25, 453-465.	1.2	3
9	Development of Design and Training Application for Deep Convolutional Neural Networks and Support Vector Machines. , 2020, , 769-786.		2
10	A Design and Training Application for Deep Convolutional Neural Networks and Support Vector Machines Developed on MATLAB. Lecture Notes in Mechanical Engineering, 2020, , 27-33.	0.4	2
11	Pick and Place Robot Using Visual Feedback Control and Transfer Learning-Based CNN. , 2020, , .		4
12	Development of Robotic CAM System That Generates Online Motion Supported by CLS and NC Data. Advances in Computational Intelligence and Robotics Book Series, 2020, , 1-27.	0.4	0
13	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
14	A Deep Neural Network Based Human Following Robot with Fuzzy Control. , 2019, , .		2
15	Remote Control Application for a Qudrotor Supporting iOS and Android. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2019, 1P1-N06.	0.0	2
16	Basic Research on Detection of Defective Products with Minute Defects Using Convolution Neural Network (CNN) and Support Vector Machine (SVM). The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2019, 2A1-Q05.	0.0	1
17	Indoor Self-Localization Using Multiple Magnetic Sensors. Journal of Robotics and Mechatronics, 2019, 31, 203-211.	1.0	4
18	Fundamental Control for a Manta-Like Fish Robot. , 2019, , 929-943.		0

#	Article	IF	Citations
19	Robotic CAM System Available for Both CL Data and NC Data. , 2019, , 663-679.		0
20	Machining robot with vibrational motion and 3D printer-like data interface. International Journal of Automation and Computing, 2018, 15, 1-12.	4.5	16
21	Smart Machining System Using Preprocessor, Postprocessor, and Interpolation Techniques. Materials Forming, Machining and Tribology, 2018, , 333-348.	1.1	0
22	Development of post-processor approach for an industrial robot FANUC R2000iC. Artificial Life and Robotics, 2018, 23, 186-191.	1.2	3
23	Development of an Aerial Robot That Has Multifunctional Locomotion Modes with Tilted Coaxial Rotors. , 2018, , .		5
24	Design Application of Deep Convolutional Neural Network for Vision-Based Defect Inspection. , 2018, , .		2
25	Outline Font Handler for Industrial Robots. , 2018, , .		1
26	Mission planning of iOS application for a quadrotor UAV. Artificial Life and Robotics, 2018, 23, 428-433.	1.2	3
27	Defect Inspection System Using Deep Convolutional Neural Networks. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2018, 2018, 2A2-K14.	0.0	1
28	System Construction for Distributedly Controlling the Thrusters of X4-AUV. Lecture Notes in Computer Science, 2017, , 825-833.	1.3	0
29	Development of iOS application handlers for quadrotor UAV remote control and monitoring. , 2017, , .		5
30	A Localization Method Using a Dynamical Model and an Extended Kalman Filtering for X4-AUV. Lecture Notes in Computer Science, 2017, , 834-845.	1.3	0
31	Reverse and Forward Post Processors for a Robot Machining System. Lecture Notes in Computer Science, 2017, , 70-78.	1.3	3
32	iOS application for quadrotor remote control. Artificial Life and Robotics, 2017, 22, 374-379.	1.2	6
33	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
34	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
35	Curved surface fitting method using a raster-scanning window and its application to stereolithography-based reverse engineering. , 2017, , .		1
36	Post processor for industrial robots â€" Circular arc interpolation of CLS data to generate FANUC robotic program â€". , 2017, , .		1

#	Article	IF	Citations
37	Preprocessor with spline interpolation for converting stereolithography into cutter location source data. IOP Conference Series: Earth and Environmental Science, 2017, 69, 012115.	0.3	2
38	Porting Experiment of Robotic Machining Application Using ORiN SDK and Design of 3D Printer-Like Interface. Advances in Intelligent Systems and Computing, 2017, , 563-579.	0.6	0
39	The stabilization of attitude of a Manta robot by a mechanism for moving the center of gravity and improvement of diving ability. , 2016, , .		3
40	Generation of triangulated patches smoothed from original point cloud data with noise and its application to robotic machining. , 2016, , .		10
41	Design of 3D Printer-Like Data Interface for a Robotic Removable Machining. Lecture Notes in Computer Science, 2016, , 40-50.	1.3	3
42	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
43	Generating cutter location source data using a depth sensor and stereolithography. , 2016, , .		0
44	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
45	Viewer, converter and preprocessor for smart machining process using an industrial robot. Artificial Life and Robotics, 2016, 21, 332-337.	1.2	1
46	Kinodynamic motion planning and control for a quadrotor. Transactions of the JSME (in Japanese), 2015, 81, 14-00631-14-00631.	0.2	2
47	Vibrational motion control for foamed polystyrene machining robot and extraction of radius of curvature for fuzzy feed rate control. Artificial Life and Robotics, 2015, 20, 197-202.	1.2	2
48	Algorithm for swarming and following behaviors of multiple mobile robots. , 2015, , .		2
49	Machining robot for foamed polystyrene materials using fuzzy feed rate controller. International Journal of Mechatronics and Automation, 2015, 5, 34.	0.2	6
50	Generation of time-varying target lines for an automatic parking system using image-based processing. , 2015, , .		0
51	Comparison of an X4-AUV performance using a direct Lyapunov — PD controller and backstepping approach. , 2015, , .		2
52	Robotic trajectory following controller with a capability for generating micro vibrational motion along curved surface. , 2015, , .		2
53	Image-based neural network controllers for mobile robots to track a human. , 2015, , .		0
54	Notice of Removal The derivation of a dynamical model for a manta robot and its control. , 2015, , .		2

#	Article	IF	Citations
55	An obstacle avoidance method by combing image-based visual servoing and optical flow. , 2015, , .		0
56	Industrial Machining Robot with Incorporated Robotic CAM System. Advances in Computational Intelligence and Robotics Book Series, 2015, , 793-817.	0.4	0
57	Fundamental Control for a Manta-Like Fish Robot. Advances in Computational Intelligence and Robotics Book Series, 2015, , 153-167.	0.4	0
58	Network-Based Subsumption Architecture for Broadcast Control of Multiple Mobile Robots Based on a Poor Hardware/Software Platform. Advances in Intelligent Systems and Computing, 2014, , 1-17.	0.6	0
59	Fuzzy feed rate controller for a machining robot. , 2014, , .		8
60	A pectoral fin analysis for diving rajiform-type fish robots by fluid dynamics. Artificial Life and Robotics, 2014, 19, 136-141.	1.2	7
61	Offline gain optimization in kinodynamic motion planning based on a harmonic potential field. Artificial Life and Robotics, 2014, 19, 47-54.	1.2	3
62	Tip-over stability enhancement for omnidirectional mobile robot. International Journal of Intelligent Unmanned Systems, 2014, 2, 91-106.	1.0	7
63	Trajectory following control of an articulated robot VE026A incorporated with ORiN2 SDK. , 2014, , .		0
64	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
65	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
66	A discontinuous exponential stabilization law for an underactuated X4-AUV. Artificial Life and Robotics, 2013, 17, 463-469.	1.2	10
67	A proposal of experimental education system of mechatronics. Artificial Life and Robotics, 2013, 17, 378-382.	1.2	7
68	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
69	Underactuated control for an X4-AUV using partial linearization and attitude linearization. , 2013, , .		4
70	Tip-over prevention for a holonomic omnidirectional mobile robot with ADWCs using SGCMG. , 2013, , .		2
71	Positioning device for outdoor mobile robots using optical sensors and lasers. Advanced Robotics, 2013, 27, 1147-1160.	1.8	6
72	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

#	Article	IF	Citations
73	Obstacle avoidance for mobile robots using an image-based fuzzy controller. , 2013, , .		5
74	3D robot sander for artistically designed furniture. , 2013, , 91-225.		0
75	3D machining system for artistic wooden paint rollers. , 2013, , 113-225.		0
76	Velocity-based discrete-time control system with intelligent control concepts for openarchitecture industrial robots. , 2013, , 1-225.		0
77	CAM system for articulated-type industrial robot. , 2013, , 65-225.		0
78	Robot arm without using robot language and its application to machining process. , 2013, , .		1
79	A CPG design of considering the attitude for the propulsion control of a Manta robot. , 2013, , .		6
80	Mechatronics education systems through sensing and control design. , 2013, , .		1
81	Tip-over stability control for a holonomic omnidirectional mobile robot with active dual-wheel caster assemblies using SGCMG. , 2013, , .		3
82	Evaluation of subsumption architecture controller by wireless multiple mobile robots system. , 2013, , .		1
83	Polishing robot for pet bottle blow molds. , 2013, , 141-225.		3
84	Desktop orthogonal-type robot for LED lens cavities. , 2013, , 163-225.		0
85	Preliminary simulation of intelligent force control. , 2013, , 35-225.		0
86	Multiple mobile robots system with network-based subsumption architecture. International Journal of Mechatronics and Manufacturing Systems, 2013, 6, 57.	0.1	3
87	Innovative Experimental System Supporting Mechatronics Education. Advances in Intelligent Systems and Computing, 2013, , 753-761.	0.6	0
88	Exponential Stabilization of Second-Order Nonholonomic Chained Systems. Lecture Notes in Computer Science, 2013, , 96-107.	1.3	1
89	Robotic CAM System Available for Both CL Data and NC Data. Advances in Mechatronics and Mechanical Engineering, 2013, , 265-276.	1.0	1
90	Propulsion movement control using CPG for a Manta robot. , 2012, , .		4

#	Article	IF	Citations
91	Image-based fuzzy trajectory tracking control for four-wheel steered mobile robots. Artificial Life and Robotics, 2012, 17, 130-135.	1.2	8
92	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
93	Bioinspiration and emerging actuator technologies. Artificial Life and Robotics, 2012, 17, 191-196.	1.2	6
94	Tip-over Prediction for Omnidirectional Mobile Robot. Procedia Engineering, 2012, 41, 1085-1094.	1.2	5
95	Stabilization of a Fire Truck Robot by an Invariant Manifold Theory. Procedia Engineering, 2012, 41, 1095-1104.	1.2	2
96	Network-based subsumption architecture for multiple mobile robots system. , 2012, , .		2
97	Proposal of the extended HFM by detection of the room area based on door recognition. , 2012, , .		1
98	Design of fuzzy switching control for an underactuated planar manipulator. , 2011, , .		0
99	Cooperative swarm control for multiple mobile robots using only information from PSD sensors. Artificial Life and Robotics, 2011, 16, 116-120.	1.2	13
100	A nonholonomic control method for stabilizing an X4-AUV. Artificial Life and Robotics, 2011, 16, 202-207.	1.2	8
101	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
102	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
103	Automatic control of an orthogonal-type robot with a force sensor and a small force input device. , 2011, , .		7
104	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
105	A Workmanlike Orthogonal-Type Robot with a Force Input Device. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 888-895.	0.9	1
106	Position-based impedance control using inner servo system and its application to a desktop NC machine tool. International Journal of Mechatronics and Manufacturing Systems, 2010, 3, 168.	0.1	0
107	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
108	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

#	Article	IF	Citations
109	Stick-slip motion control based on cutter location data for an orthogonal-type robot. Artificial Life and Robotics, 2010, 15, 106-110.	1.2	0
110	CAD/CAM-based force controller using a neural network-based effective stiffness estimator. Artificial Life and Robotics, 2010, 15, 101-105.	1.2	5
111	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
112	Skillful stick-slip motion control of a Cartesian-type robot. , 2010, , .		1
113	Underactuated control for nonholonomic mobile robots by using double integrator model and invariant manifold theory. , 2010, , .		14
114	Interpretation of fuzzy voice commands for robots based on vocal cues guided by user's willingness. , 2010, , .		8
115	Visual evaluation and fuzzy voice commands for controlling a robot manipulator. International Journal of Mechatronics and Manufacturing Systems, 2010, 3, 244.	0.1	2
116	Desktop orthogonal-type robot with abilities of compliant motion and stick-slip motion for lapping of LED lens molds. , 2010, , .		8
117	A CLEANING ROBOT FOR STAIRS AND THE SIMULATION OF STAIR MOVEMENT. , 2010, , .		1
118	Adaptation of robot behaviors toward user perception on fuzzy linguistic information by fuzzy voice feedback. , 2009, , .		8
119	Kinematics-based control of underactuated vehicles with four-inputs and six-states by applying invariant manifolds. , 2009, , .		3
120	Control of three-link underactuated manipulators by a logic-based switching method. , 2009, , .		2
121	Intelligent desktop NC machine tool with compliant motion capability. Artificial Life and Robotics, 2009, 13, 423-427.	1.2	12
122	Understanding user commands by evaluating fuzzy linguistic information based on visual attention. Artificial Life and Robotics, 2009, 14, 48-52.	1.2	9
123	A desktop NC machine tool with a position/force controller using a fine-velocity pulse converter. Mechatronics, 2009, 19, 671-679.	3.3	10
124	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
125	Intelligent machining system for the artistic design of wooden paint rollers. Robotics and Computer-Integrated Manufacturing, 2009, 25, 680-688.	9.9	12
126	T-S fuzzy model adopted SLAM algorithm with linear programming based data association for mobile robots. , 2009, , .		3

#	Article	IF	Citations
127	Behavior generation in robots by emotional motivation. , 2009, , .		5
128	Orthogonal-type robot with a CAD/CAM-based position/force controller. , 2009, , .		0
129	Biped locomotion using CPG with sensory interaction. , 2009, , .		14
130	Impedance model force control using neural networks for a desktop NC machine tool. , 2009, , .		1
131	Posture control of a robot manipulator by evaluating fuzzy linguistic information based on user feedback. , 2009, , .		1
132	Monotonic Decreasing Energy and Switching Control for Underactuated Manipulators. Studies in Computational Intelligence, 2009, , 205-212.	0.9	0
133	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
134	Feed-rate control using fuzzy reasoning for NC machine tools. Artificial Life and Robotics, 2008, 12, 250-257.	1.2	1
135	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
136	Central pattern generators based on Matsuoka oscillators for the locomotion of biped robots. Artificial Life and Robotics, 2008, 12, 264-269.	1.2	56
137	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
138	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
139	A Neuro-interface with fuzzy compensator for controlling nonholonomic mobile robots. Neural Computing and Applications, 2008, 17, 449-461.	5.6	2
140	Controlling a robot manipulator with fuzzy voice commands guided by visual motor coordination learning. , 2008, , .		2
141	Locomotion pattern generation of semi-looper type robots using central pattern generators based on van der Pol oscillators. , 2008, , .		4
142	Basic performance of a desktop NC machine tool with compliant motion capability. , 2008, , .		15
143	Generation of obstacle avoidance behaviors for quadruped robots using finite automaton. , 2008, , .		3
144	Simultaneous Localization and Mapping: A Pseudolinear Kalman Filter (PLKF) Approach. , 2008, , .		5

#	Article	IF	Citations
145	A switching control of underactuated manipulators by introducing a definition of monotonically decreasing energy. , 2008, , .		1
146	Interactive Dialogue for Behavior Teaching to Robots based on Primitive Behaviors with Fuzzy Voice Commands. , 2008, , .		3
147	Voice control of a robotic forceps using hierarchical instructions. , 2008, , .		1
148	Estimation system of human behaviors using fuzzy neural network based object selection. , 2008, , .		2
149	An emotion-based task sharing approach for a cooperative multiagent robotic system. , 2008, , .		10
150	A discontinuous control of VTOL aerial robots with four rotors through a chained form transformation. , 2008, , .		1
151	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
152	Pseudolinear Model Based Solution to the SLAM Problem of Nonholonomic Mobile Robots. Journal of System Design and Dynamics, 2008, 2, 962-978.	0.3	0
153	Task allocation with a cooperative plan for an emotionally intelligent system of multi-robots. , 2007, , .		9
154	Energy region design using projection for three-link underactuated manipulators. , 2007, , .		0
155	The design of fuzzy energy regions optimized by GA for a switching control of multi-link underactuated manipulators. , 2007, , .		1
156	Feature extractions for estimating human behaviors via a binocular vision head. , 2007, , .		6
157	Simultaneous localization and mapping (SLAM) based on pseudolinear measurement model with a bias reduction approach. , 2007, , .		3
158	A solution to the SLAM problem based on fuzzy Kalman filter using pseudolinear measurement model. , 2007, , .		0
159	Neural Oscillators with a Sigmoidal Function for the CPG of Biped Robot Walking. , 2007, , .		4
160	ANFIS for Adaptive Personal Space Determination for Ubiquitous Robots. , 2007, , .		0
161	Simulation of Fine Gain Tuning Using Genetic Algorithms for Model-Based Robotic Servo Controllers. , 2007, , .		21
162	Posture control of robot manipulators with fuzzy voice commands using a fuzzy coachâ€“player system. Advanced Robotics, 2007, 21, 293-328.	1.8	14

#	Article	IF	Citations
163	Behavior generation through interaction in an emotionally intelligent robot system. , 2007, , .		1
164	Giving robots some feelings towards interaction with humans in ubiquitous environment. , 2007, , .		2
165	A fuzzy logic based approach to the SLAM problem using pseudolinear models with two sensors data association. , 2007, , .		4
166	CPG based control for generating stable bipedal trajectories under external perturbation. , 2007, , .		0
167	Bipedal Locomotion Control via CPGs with Coupled Nonlinear Oscillators. , 2007, , .		6
168	Biomimetics Robots From Bio-inspiration to Implementation. , 2007, , .		33
169	Robotic sanding system for new designed furniture with free-formed surface. Robotics and Computer-Integrated Manufacturing, 2007, 23, 371-379.	9.9	83
170	An Adaptive Actor-critic Algorithm with Multi-step Simulated Experiences for Controlling Nonholonomic Mobile Robots. Soft Computing, 2007, 11, 81-89.	3.6	3
171	Controlling a robot manipulator with fuzzy voice commands using a probabilistic neural network. Neural Computing and Applications, 2007, 16, 155-166.	5.6	26
172	Kansei and human experience analysis for mobile robot navigation in a ubiquitous environment. Artificial Life and Robotics, 2007, 11, 105-111.	1.2	0
173	CAD/CAM-based position/force controller for a mold polishing robot. Mechatronics, 2007, 17, 207-216.	3.3	130
174	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
175	CAD/CAM-based Position/Force Control for a Ball-end Abrasive Tool and Its Application to an Industrial Robot. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2007, 2007.4, 7C301.	0.0	0
176	The Design ofWave Shape for Coupled Van del Pol Oscillators. , 2006, , .		2
177	Intelligent Interface Using Natural Voice and Vision for Supporting the Acquisition of Robot Behaviors. , 2006, , .		5
178	Fuzzy Switching Control of Underactuated Manipulators with Approximated Switching Regions. , 2006, , .		6
179	Joystick Teaching System for Industrial Robots Using Fuzzy Compliance Control. , 2006, , .		11
180	An optimized Takagi-Sugeno type neuro-fuzzy system for modeling robot manipulators. Neural Computing and Applications, 2006, 15, 55-61.	5.6	26

#	Article	IF	Citations
181	Intelligent control for avoiding the joint limits of redundant planar manipulators. Artificial Life and Robotics, 2006, 10, 141-148.	1.2	6
182	Intelligent vision system for dynamic environments. Artificial Life and Robotics, 2006, 10, 59-63.	1.2	0
183	Costâ€"function analysis of optimizing fuzzy-energy regions in the control of underactuated manipulators. Artificial Life and Robotics, 2006, 10, 171-176.	1.2	0
184	Fuzzy-Chaos Hybrid Controllers for Nonlinear Dynamic Systems. , 2006, , 481-506.		0
185	Design of Coupled Van del Pol Oscillators for Multi-link Robots. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	0
186	Acquisition of Obstacle Avoidance Behaviors for a Quadruped Robot Using Visual and Ultrasonic Sensors. , 2006, , .		2
187	A Sensor Fusion Technique Using Visual and Ultrasonic Information to Acquire Obstacle Avoidance Behaviors for Quadruped Robots. , 2006, , .		5
188	An Action Decision Mechanism Using Fuzzy-Neural Network in Voice Commanded Fuzzy Coach-Player System for Robots. , 2006, , .		2
189	An Approach to Estimating Human Behaviors by Using an Active Vision Head. , 2006, , .		3
190	Feed Rate Control Using Fuzzy Reasoning for a Mold Polishing Robot. Journal of Robotics and Mechatronics, 2006, 18, 76-82.	1.0	22
191	Adaptive actor-critic learning for the control of mobile robots by applying predictive models. Soft Computing, 2005, 9, 835-845.	3.6	18
192	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
193	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
194	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
195	A concept of common reference object to the cooperative transportation of multiple mobile robots. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2005, 9, 209-221.	1.0	0
196	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
197	Neural network based expectation learning in perception control: learning and control with unreliable sensory system. Artificial Life and Robotics, 2004, 8, 147-152.	1.2	0
198	Control of three degrees-of-freedom underactuated manipulator using fuzzy based switching. Artificial Life and Robotics, 2004, 8, 153-158.	1.2	10

#	Article	IF	Citations
199	Solution to global stability of fuzzy regulators via evolutionary computation. Applied Soft Computing Journal, 2004, 4, 25-34.	7.2	4
200	A decentralized control system for cooperative transportation by multiple non-holonomic mobile robots. International Journal of Control, 2004, 77, 949-963.	1.9	28
201	Evolutionary Computations. Studies in Fuzziness and Soft Computing, 2004, , .	0.8	8
202	Modular Fuzzy-Neuro Controller Driven by Spoken Language Commands. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 293-302.	5.0	47
203	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
204	Generation of Normalized Tool Vector from 3-Axis CL Data and Its Application to a Mold Polishing Robot. The Proceedings of Conference of Kyushu Branch, 2004, 2004.57, 391-392.	0.0	1
205	Knowledge Acquisition by a Sub-coach in a Coach-Player System for Controlling a Robot(Multi-agent) Tj ETQq1 1 0.784314 rgBT /Ove Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2004, 2004.4, 52.	0.0	1
206	Advanced Control of Mold Polishing Robots Using 3D CAD/CAM. The Proceedings of the Manufacturing & Machine Tool Conference, 2004, 2004.5, 205-206.	0.0	1
207	Controller Adjustment of an Exoskeleton Robot for Shoulder Motion Assistance. Journal of Robotics and Mechatronics, 2004, 16, 245-255.	1.0	2
208	Neural network based expectation learning in perception control: learning and control with unreliable sensory system. Artificial Life and Robotics, 2004, 8, 147-152.	1.2	0
209	Control of three degrees-of-freedom underactuated manipulator using fuzzy based switching. Artificial Life and Robotics, 2004, 8, 153-158.	1.2	2
210	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
211	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
212	A HUMANLIKE GRASPING FORCE PLANNER FOR OBJECT MANIPULATION BY ROBOT MANIPULATORS. Cybernetics and Systems, 2003, 34, 645-662.	2.5	3
213	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
214	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
215	Control for a rings gymnastic robot using fuzzy reasoning and genetic algorithms. Artificial Life and Robotics, 2002, 6, 113-119.	1.2	2
216	Energy-optimal gait analysis of quadruped robots. Artificial Life and Robotics, 2002, 6, 120-125.	1.2	19

#	Article	IF	Citations
217	Translational Crawl and Path Tracking of a Quadruped Robot. Journal of Field Robotics, 2002, 19, 569-584.	0.7	11
218	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
219	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
220	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
221	Neural Network and Fuzzy Control Techniques for Robotic Systems. , 2002, , .		0
222	Implementation of omnidirectional crawl for a quadruped robot. Advanced Robotics, 2001, 15, 169-190.	1.8	14
223	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
224	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
225	Adaptive Behavioral Fusion of Fuzzy Behavior-Based Control for Khepera. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 279-284.	0.4	1
226	Dynamic Model and Control for a Holonomic Omnidirectional Mobile Robot. Autonomous Robots, 2001, 11, 173-189.	4.8	11
227	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2001, 32, 255-277.	3.4	8
228	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
229	Polishing Robot Using Joystick Controlled Teaching. Journal of Robotics and Mechatronics, 2001, 13, 517-525.	1.0	20
230	347 Adaptive Tracking Control for Robotic Systems Based on Notion of Optimality. The Proceedings of the Symposium on the Motion and Vibration Control, 2001, 2001.7, 512-515.	0.0	0
231	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
232	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
233	Analysis and Control for an Omnidirectional Mobile Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2000, 27, 3-20.	3.4	48
234	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2000, 29, 257-275.	3.4	23

#	Article	IF	Citations
235	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
236	Two-stage adaptive robot position/force control using fuzzy reasoning and neural networks. Advanced Robotics, 2000, 14, 153-168.	1.8	2
237	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
238	Control of Chaotic Systems Using Fuzzy Model-Based Regulators. Lecture Notes in Computer Science, 1999, , 248-256.	1.3	2
239	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
240	Intelligent Control Based on Flexible Neural Networks. , 1999, , .		22
241	Initial configuration dependence in a self-organizing robot. Artificial Life and Robotics, 1999, 3, 160-165.	1.2	2
242	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
243	Evolutionary Strategy Using Statistical Information and Its Application to Mobile Robot Control. Journal of Advanced Computational Intelligence and Intelligent Informatics, 1999, 3, 75-81.	0.9	2
244	Impedance Control Using Anisotropic Fuzzy Environment Models. Journal of Robotics and Mechatronics, 1999, 11, 60-66.	1.0	10
245	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
246	Joint Positions and Robot Stability of the Omnidirectional Crawling Quadruped Robot. Journal of Robotics and Mechatronics, 1999, 11, 510-517.	1.0	7
247	Development of An Inverse Dynamic Model. , 1999, , 171-196.		0
248	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
249	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
250	Development of an omnidirectional mobile robot with active dual-wheel casters. Advanced Robotics, 1998, 13, 239-240.	1.8	1
251	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
252	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

#	Article	IF	Citations
253	A Design of Stochastic Fuzzy Controller as a Linear Min-Max Control. Transactions of the Society of Instrument and Control Engineers, 1998, 34, 1574-1581.	0.2	0
254	Control of a Six-DOF Parallel Link Manipulator with Artificial Rubber Muscles by an Integral Type Stochastic Fuzzy Method.. Journal of the Robotics Society of Japan, 1998, 16, 1061-1068.	0.1	0
255	Rotational control of an omnidirectional mobile robot using a fuzzy servo controller. Advanced Robotics, 1997, 12, 171-189.	1.8	4
256	Stability Analysis of Fuzzy Systems as a Periodically Time-Varying System. Journal of Japan Society for Fuzzy Theory and Systems, 1997, 9, 541-550.	0.0	0
257	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
258	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
259	Learning Control of a Mobile Rpbpt Using Block Hierarchical Fuzzy-Gaussian Neural Networks. Journal of Japan Society for Fuzzy Theory and Systems, 1996, 8, 105-114.	0.0	0
260	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
261	Fuzzy-neural network controllers using mean-value-based functional reasoning. Neurocomputing, 1995, 9, 39-61.	5.9	12
262	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
263	Fuzzy Control for Robot Manipulators with Artificial Rubber Muscles. , 1994, , 493-510.		5
264	Experimental Multiple Fuzzy Controls for A Robot Manipulator with Artificial Rubber Muscles.. Journal of the Robotics Society of Japan, 1994, 12, 596-602.	0.1	1
265	Controls of servomotors for carry hospital robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 1993, 7, 353-369.	3.4	3
266	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
267	Techniques for Adaptive Estimation and Control of Discrete-Time Stochastic Systems with Abruptly Changing Parameters. Control and Dynamic Systems, 1993, , 111-148.	0.1	1
268	Generalized fixed-interval smoothers for discrete-time systems. International Journal of Systems Science, 1992, 23, 1491-1506.	5.5	1
269	Forward-pass Bryson-Frazier smoother in discret-time systems. International Journal of Systems Science, 1992, 23, 71-84.	5.5	1
270	An adaptive control for CARMA systems using linear neural networks. International Journal of Control, 1992, 56, 483-497.	1.9	34

#	Article	IF	Citations
271	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
272	Learning algorithms of layered neural networks via extended Kalman filters. International Journal of Systems Science, 1991, 22, 753-768.	5.5	26
273	Observations-weighted controllers for single-input single-output stochastic systems using a perturbed-type dual criterion. International Journal of Control, 1990, 52, 1019-1034.	1.9	0
274	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
275	A hierarchical multiple model adaptive control of discrete-time stochastic systems for sensor and actuator uncertainties. Automatica, 1990, 26, 875-886.	5.0	13
276	Decentralized estimation algorithms for a backward pass fixed-interval smoother. International Journal of Systems Science, 1990, 21, 913-931.	5.5	1
277	Backward-pass multiple model adaptive filtering for a fixed-interval smoother. International Journal of Control, 1989, 49, 385-397.	1.9	1
278	Observation-weighted controllers for linear stochastic systems using dual criterionâ€"single input/single output case. International Journal of Systems Science, 1989, 20, 1305-1321.	5.5	1
279	Multiple-model adaptive control for jump-linear stochastic systems. International Journal of Control, 1989, 50, 1603-1617.	1.9	4
280	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
281	Discrete-time forward-pass smoothers in distributed-sensor networks. International Journal of Systems Science, 1988, 19, 1375-1385.	5.5	2
282	Observations-weighted controllers for linear stochastic systems using a dual criterion: the multivariable case. International Journal of Control, 1988, 48, 1897-1913.	1.9	0
283	Steady-state error covariances of fixed-point smoothers. International Journal of Systems Science, 1987, 18, 1323-1337.	5.5	0
284	Simple method for solving the constant gains of Kalman filters with single output. International Journal of Control, 1987, 46, 849-864.	1.9	0
285	Application of a multiple-model adaptive filter method to inertial navigation systems. International Journal of Systems Science, 1987, 18, 301-322.	5.5	0
286	A Hierarchical Multiple Model Adaptive Control for Stochastic Systems with Instrument Failures. , 1987, , 263-270.		0
287	Continuous-time decentralized smoothers based on two-filter form: identical local and global models. International Journal of Systems Science, 1986, 17, 1015-1028.	5.5	1
288	Decentralized Fixed-Interval Smoothing Algorithms. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1986, 108, 86-89.	1.6	2

#	Article	IF	Citations
289	Steady-State Covariance Analysis for a Forward-Pass Fixed-Interval Smoother. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1986, 108, 136-140.	1.6	0
290	A new forward-pass fixed-interval smoother using the U-D information matrix factorization. Automatica, 1986, 22, 465-475.	5.0	19
291	Decentralized two-filter smoothing algorithms in discrete-time systems. International Journal of Control, 1986, 44, 49-63.	1.9	11
292	Scattering framework for backwards partitioned estimators. International Journal of Systems Science, 1985, 16, 553-572.	5.5	3
293	On the relationship between the Lagrange multiplier method and the two-filter smoother. International Journal of Control, 1985, 42, 391-410.	1.9	14
294	Algebraic solution of a forward-pass fixed-interval smoother: continuous-time systems. International Journal of Systems Science, 1985, 16, 1217-1227.	5.5	1
295	Application of pseudolinear partitioned filter to passive vehicle trackingâ€. International Journal of Systems Science, 1984, 15, 959-975.	5.5	2
296	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
297	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
298	Optimal structurally partitioned filter for undisturbable stochastic systems Part II. Stability and its asymptotic behaviour. International Journal of Systems Science, 1983, 14, 1159-1169.	5.5	0
299	Partitioned estimators based on the perturbed Kalman filter equations. International Journal of Systems Science, 1983, 14, 1115-1128.	5.5	4
300	Optimal structurally partitioned filter for undisturbable stochastic systems Part I. Basic theory. International Journal of Systems Science, 1983, 14, 1139-1158.	5.5	1
301	Two-stage bias correction estimators based on generalized partitioning estimation methodâ€. International Journal of Control, 1983, 38, 621-637.	1.9	6
302	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
303	Partitioned Estimation Problem for Linear Distributed Parameter Systems. Transactions of the Society of Instrument and Control Engineers, 1982, 18, 677-684.	0.2	0
304	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
305	An alternative approach to the derivation of distributed-type partitioned filters. International Journal of Systems Science, 1981, 12, 351-356.	5.5	3
306	Optimal non-linear estimation for distributed-parameter systems via the partition theorem. International Journal of Systems Science, 1980, 11, 1113-1130.	5.5	11

#	Article	IF	Citations
307	A sequential failure detection approach and the identification of failure parameters. International Journal of Systems Science, 1979, 10, 827-836.	5.5	23
308	Desktop Cartesian-Type Robot with Abilities of Compliant Motion and Stick-Slip Motion. , 0, , .		0
309	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
310	Fuzzyâ€“Chaos Hybrid Controllers for Nonlinear Dynamic Systems. , 0, , 481-506.		0