

Jason J Gu

List of Publications by Year in descending order

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278
papers

4,106
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201674

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279
times ranked

3846
citing authors

#	ARTICLE	IF	CITATIONS
1	Event-Triggered Fixed-Time Practical Tracking Control for Flexible-Joint Robot. IEEE Transactions on Fuzzy Systems, 2023, 31, 67-76.	9.8	12
2	Adaptive Robust Control of Tele-operated Master-Slave Manipulators with Communication Delay. Smart Innovation, Systems and Technologies, 2022, , 123-140.	0.6	0
3	Performance Comparison Between Higher-Order Sliding Mode and Fixed Boundary Layer Sliding Mode Controller for a 10-DoF Bipedal Robot. Smart Innovation, Systems and Technologies, 2022, , 45-62.	0.6	0
4	Force and Microstructure Variation of SLM Prepared AlMgSc Samples during Three-Point Bending. Materials, 2022, 15, 437.	2.9	2
5	RSI-Net: Two-Stream Deep Neural Network for Remote Sensing Images-Based Semantic Segmentation. IEEE Access, 2022, 10, 34858-34871.	4.2	12
6	Disturbance observer supported fuzzy model based controller with application to bilateral teleoperation systems. Journal of Intelligent and Fuzzy Systems, 2022, , 1-9.	1.4	0
7	Intelligent Obstacle Avoidance Controller for QBot2. IFAC-PapersOnLine, 2022, 55, 120-125.	0.9	1
8	Bilateral Teleoperation Control of a Bipedal Robot Gait Using a Manipulator. IFAC-PapersOnLine, 2022, 55, 765-770.	0.9	1
9	Teleoperation of Multi-Degrees-of-Freedom Manipulator through Composite State Convergence Scheme. IFAC-PapersOnLine, 2022, 55, 126-130.	0.9	0
10	Buffering Performance Analysis of an Ostrich-like Leg Based on a Seven-Link Parallel Mechanism. Machines, 2022, 10, 306.	2.2	2
11	Symmetric Convolutional and Adversarial Neural Network Enables Improved Mental Stress Classification From EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1384-1400.	4.9	8
12	Position-Based Visual Servoing Control for Multi-Joint Hydraulic Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, .	3.4	4
13	Robust Exact Predictive Scheme for Output-Feedback Control of Input-Delay Systems With Unmatched Sinusoidal Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5357-5366.	9.3	4
14	A Gated Recurrent Unit-Based Particle Filter for Unmanned Underwater Vehicle State Estimation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	13
15	Review of hybrid electric powered aircraft, its conceptual design and energy management methodologies. Chinese Journal of Aeronautics, 2021, 34, 432-450.	5.3	92
16	Efficiency Optimization Strategy for Switched Reluctance Generator System With Position Sensorless Control. IEEE/ASME Transactions on Mechatronics, 2021, 26, 469-479.	5.8	16
17	Depth-Aware Object Tracking With a Conditional Variational Autoencoder. IEEE Access, 2021, 9, 94537-94547.	4.2	3
18	Expanded Neo-Fuzzy Adaptive Decayed Brain Emotional Learning Network for Online Time Series Predication. IEEE Access, 2021, 9, 65758-65770.	4.2	2

#	ARTICLE	IF	CITATIONS
19	Adaptive robust fault detection and control for injection machine mold closing process with accurate parameter estimations. , 2021, , .		2
20	Self-powered soft robot in the Mariana Trench. Nature, 2021, 591, 66-71.	27.8	545
21	A Composite State Convergence Scheme for Multilateral Teleoperation Systems. Studies in Informatics and Control, 2021, 30, 33-42.	1.2	2
22	RRT-GoalBias and Path Smoothing Based Motion Planning of Mobile Manipulators with Obstacle Avoidance. , 2021, , .		6
23	A Modified Hybrid Particle Swarm Optimization With Bat Algorithm Parameter Inspired Acceleration Coefficients for Solving Eco-Friendly and Economic Dispatch Problems. IEEE Access, 2021, 9, 82169-82187.	4.2	27
24	Multivariable Unconstrained Pattern Search Method for Optimizing Digital PID Controllers Applied to Isolated Forward Converter. Energies, 2021, 14, 77.	3.1	11
25	Exploiting Probabilistic Siamese Visual Tracking with a Conditional Variational Autoencoder. , 2021, , .		3
26	Fraud Prediction in Pakistani E-commerce Market. , 2021, , .		0
27	Edge-Semantic Learning Strategy for Layout Estimation in Indoor Environment. IEEE Transactions on Cybernetics, 2020, 50, 2730-2739.	9.5	32
28	Further Results on Adaptive Stabilization of High-Order Stochastic Nonlinear Systems Subject to Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 225-234.	11.3	36
29	RBFNN-Based Adaptive Sliding Mode Control Design for Delayed Nonlinear Multilateral Telerobotic System With Cooperative Manipulation. IEEE Transactions on Industrial Informatics, 2020, 16, 1236-1247.	11.3	110
30	Variable-Gain Second-Order Sliding Mode Controller With Globally Fixed-Time Stability Guarantees. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1414-1418.	3.0	11
31	Adaptive Finite-Time Control for High-Order Nonlinear Systems With Multiple Uncertainties and its Application. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 1752-1761.	5.4	28
32	Globally Fixed-Time High-Order Sliding Mode Control for New Sliding Mode Systems Subject to Mismatched Terms and Its Application. IEEE Transactions on Industrial Electronics, 2020, 67, 10776-10786.	7.9	33
33	RBF-Neural-Network-Based Adaptive Robust Control for Nonlinear Bilateral Teleoperation Manipulators With Uncertainty and Time Delay. IEEE/ASME Transactions on Mechatronics, 2020, 25, 906-918.	5.8	158
34	A recognition method for extreme bradycardia by arterial blood pressure signal modeling with curve fitting. Physiological Measurement, 2020, 41, 074002.	2.1	5
35	End-to-end multitask Siamese network with residual hierarchical attention for real-time object tracking. Applied Intelligence, 2020, 50, 1908-1921.	5.3	20
36	Online identification of nonlinear systems using neo-fuzzy supported brain emotional learning network. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6045-6051.	1.4	0

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37	A Novel Multilateral Control Design for Delayed Nonlinear Teleoperation System With RBFNN-based Environments. IFAC-PapersOnLine, 2020, 53, 10070-10075.	0.9	0
38	Special issue on fuzzy theoretical model analysis for signal processing. Journal of Intelligent and Fuzzy Systems, 2019, 37, 4407-4411.	1.4	5
39	An enhanced state convergence architecture incorporating disturbance observer for bilateral teleoperation systems. International Journal of Advanced Robotic Systems, 2019, 16, 172988141988005.	2.1	0
40	A composite state convergence scheme for bilateral teleoperation systems. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1166-1178.	13.1	7
41	Extended-state-observer-based output feedback adaptive control of hydraulic system with continuous friction compensation. Journal of the Franklin Institute, 2019, 356, 8414-8437.	3.4	29
42	Global High-Order Sliding Mode Controller Design Subject to Mismatched Terms: Application to Buck Converter. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4840-4849.	5.4	18
43	Vision-based traffic accident detection using sparse spatio-temporal features and weighted extreme learning machine. IET Intelligent Transport Systems, 2019, 13, 1417-1428.	3.0	17
44	Design of Three Phase Solid State Transformer Deployed within Multi-Stage Power Switching Converters. Applied Sciences (Switzerland), 2019, 9, 3545.	2.5	4
45	Bradycardia and Tachycardia Detection Using a Synthesis-by-Analysis Modeling Approach of Pulsatile Signal. IEEE Access, 2019, 7, 131256-131269.	4.2	8
46	A Single-Phase Buck and Boost AC-to-AC Converter with Bipolar Voltage Gain: Analysis, Design, and Implementation. Energies, 2019, 12, 1376.	3.1	14
47	Disturbance-Observer-Based Sliding Mode Control Design for Nonlinear Bilateral Teleoperation System With Four-Channel Architecture. IEEE Access, 2019, 7, 72672-72683.	4.2	12
48	Derivative-Free Direct Search Optimization Method for Enhancing Performance of Analytical Design Approach-Based Digital Controller for Switching Regulator. Energies, 2019, 12, 2183.	3.1	5
49	Design and Kinematic Control of the Cable-Driven Hyper-Redundant Manipulator for Potential Underwater Applications. Applied Sciences (Switzerland), 2019, 9, 1142.	2.5	30
50	Adaptive finite-time stabilization of nonlinearly parameterized systems subject to mismatching disturbances. International Journal of Robust and Nonlinear Control, 2019, 29, 3469-3484.	3.7	13
51	Design of Dual-Master-Dual-Slave Teleoperation System through State Convergence. , 2019, , .		1
52	Simple High-Order Sliding Mode Controller Design Subject to Uncertainties Bounded by Positive Functions. , 2019, , .		0
53	An Improved Local Dynamic Path Planning Algorithm for Autonomous Driving. , 2019, , .		0
54	Improved Path Planning for Mobile Robot Based on Firefly Algorithm. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
55	RBFNN-based Bilateral Control Design for Delayed Nonlinear Teleoperation System With General Environments. , 2019, , .		0
56	Deep Learning Training with Simulated Approximate Multipliers. , 2019, , .		5
57	A Comparative Study on Machine Learning Algorithms for the Control of a Wall Following Robot. , 2019, , .		13
58	Design and Gait Realization of Power-assisted Lower Limbs Exoskeleton. , 2019, , .		0
59	Weld Seam Detection Method with Rotational Region Proposal Network. , 2019, , .		2
60	A Novel Control Design of Bilateral Teleoperation System with Fuzzy Logic based General Environments. , 2019, , .		2
61	Artificial Intelligence-Based Controller for DC-DC Flyback Converter. Applied Sciences (Switzerland), 2019, 9, 5108.	2.5	5
62	Economical optimization of grid power factor using predictive data. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 258-267.	13.1	5
63	Design of a Composite State Convergence Controller for a Nonlinear Telerobotic System. Acta Polytechnica Hungarica, 2019, 16, 157-172.	2.9	2
64	PATH PLANNING-ORIENTED OBSTACLE AVOIDING WORKSPACE MODELLING FOR ROBOT MANIPULATOR. International Journal of Robotics and Automation, 2019, 34, .	0.1	1
65	A PSO-TUNED FUZZY LOGIC SYSTEM FOR POSITION TRACKING OF MOBILE ROBOT. International Journal of Robotics and Automation, 2019, 34, .	0.1	1
66	A Time-Delayed Multi-Master-Single-Slave Non-Linear Tele-Robotic System Through State Convergence. IEEE Access, 2018, 6, 5447-5459.	4.2	3
67	A Feature Descriptor Based on Local Normalized Difference for Real-World Texture Classification. IEEE Transactions on Multimedia, 2018, 20, 880-888.	7.2	32
68	Correlation-Filter Based Scale-Adaptive Visual Tracking With Hybrid-Scheme Sample Learning. IEEE Access, 2018, 6, 125-137.	4.2	12
69	Detection of multipoint pulse waves and dynamic 3D pulse shape of the radial artery based on binocular vision theory. Computer Methods and Programs in Biomedicine, 2018, 155, 61-73.	4.7	18
70	Modeling and Analysis of Protein Synthesis and DNA Mutation Using Colored Petri Nets. IEEE Access, 2018, 6, 22386-22400.	4.2	6
71	A novel multilateral teleoperation scheme with power-based time-domain passivity control. Transactions of the Institute of Measurement and Control, 2018, 40, 3252-3262.	1.7	13
72	Optimized Digital Controllers for Switching-Mode DC-DC Step-Down Converter. Electronics (Switzerland), 2018, 7, 412.	3.1	11

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73	An enhanced wave-variable based four-channel bilateral teleoperation control design. , 2018, , .		1
74	Global Stabilization of High-Order Stochastic Nonlinear Systems Disturbed by Unknown Covariance Noise and Time-Varying Delay. , 2018, , .		0
75	Gait-Event-Based human intention recognition approach for lower limb. , 2018, , .		3
76	State Convergence Based Design of a Single-Master-Multi-Slave Nonlinear Teleoperation System. , 2018, , .		2
77	Adaptive Control of Teleoperation System with RISE Feedback. , 2018, , .		0
78	Multiobjective Optimization Design of a Switched Reluctance Motor for Low-Speed Electric Vehicles With a Taguchiâ€CSO Algorithm. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1762-1774.	5.8	66
79	A Homotopy Iterative Hard Thresholding Algorithm With Extreme Learning Machine for Scene Recognition. IEEE Access, 2018, 6, 30424-30436.	4.2	9
80	DETECTION AND REPAIR OF COVERAGE HOLES IN MOBILE SENSOR NETWORKS USING SUB-VORONOI CELLS. International Journal of Robotics and Automation, 2018, 33, .	0.1	1
81	MODULAR DESIGN OF NEUROSURGICAL ROBOTIC SYSTEM. International Journal of Robotics and Automation, 2018, 33, .	0.1	0
82	An Efficient Method for Traffic Sign Recognition Based on Extreme Learning Machine. IEEE Transactions on Cybernetics, 2017, 47, 920-933.	9.5	227
83	Visualâ€Tactile Fusion for Object Recognition. IEEE Transactions on Automation Science and Engineering, 2017, 14, 996-1008.	5.2	185
84	An Extended State Convergence Architecture for Multilateral Teleoperation Systems. IEEE Access, 2017, 5, 2063-2079.	4.2	10
85	Development of the USV â€JingHai-lâ€™™ and sea trials in the Southern Yellow Sea. Ocean Engineering, 2017, 131, 186-196.	4.3	60
86	Learning to Predict High-Quality Edge Maps for Room Layout Estimation. IEEE Transactions on Multimedia, 2017, 19, 935-943.	7.2	37
87	Neo-Fuzzy Supported Brain Emotional Learning Based Pattern Recognizer for Classification Problems. IEEE Access, 2017, 5, 6951-6968.	4.2	9
88	Self-paced model learning for robust visual tracking. Journal of Electronic Imaging, 2017, 26, 013016.	0.9	7
89	Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey â€Part II. IEEE Access, 2017, 5, 24426-24445.	4.2	56
90	LQR controller for robotic skull drilling system. , 2017, , .		1

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91	Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey - Part I. IEEE Access, 2017, 5, 15105-15141.	4.2	94
92	Dynamic k-coverage planning for multiple events with mobile robots. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771079.	2.1	0
93	Correlation filter-based self-paced object tracking. , 2017, , .		7
94	Modeling and analysis of DNA mutation type based on colored Petri net. , 2017, , .		1
95	Problems in constructing a discrete-time controller using frequency response plots in w-plane. , 2017, , .		1
96	Mathematical Modeling and Intelligent Algorithm for Multirobot Path Planning. Mathematical Problems in Engineering, 2017, 2017, 1-2.	1.1	2
97	Central pattern generator based crawl gait control for quadruped robot. , 2016, , .		2
98	IIRobot self-localization using EKF. , 2016, , .		3
99	Fuzzy state convergence based bilateral control of a tele-robotic system in unknown environments. , 2016, , .		0
100	Image deblurring by generalized total variation regularization and least squares fidelity. , 2016, , .		3
101	Fuzzy bilateral control of time delayed nonlinear tele-robotic system in unknown environments through state convergence. , 2016, , .		1
102	Transparent fuzzy bilateral control of a nonlinear teleoperation system through state convergence. , 2016, , .		3
103	State convergence based bilateral control of nonlinear teleoperation system represented by TS fuzzy models. , 2016, , .		2
104	Set-point tracking of a dc-dc boost converter through optimized PID controllers. , 2016, , .		13
105	A scene recognition method using sparse features with layout-sensitive pooling and extreme learning machine. , 2016, , .		0
106	Integrated adaptive robust control for multilateral teleoperation systems under arbitrary time delays. International Journal of Robust and Nonlinear Control, 2016, 26, 2708-2728.	3.7	185
107	Fuzzy Model Based Bilateral Control Design of Nonlinear Tele-Operation System Using Method of State Convergence. IEEE Access, 2016, 4, 4119-4135.	4.2	31
108	Compensation of the nonlinearities present in the digital control loop. , 2016, , .		1

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109	Fast Weighted Total Variation Regularization Algorithm for Blur Identification and Image Restoration. IEEE Access, 2016, 4, 6792-6801.	4.2	13
110	Deep Neural Networks for wireless localization in indoor and outdoor environments. Neurocomputing, 2016, 194, 279-287.	5.9	220
111	ARTIFICIAL IMMUNE NETWORK-BASED MULTI-ROBOT FORMATION PATH PLANNING WITH OBSTACLE AVOIDANCE. International Journal of Robotics and Automation, 2016, 31, .	0.1	7
112	COMPRESSIVE SENSING WITH WEIGHTED LOCAL CLASSIFIERS FOR ROBOT VISUAL TRACKING. International Journal of Robotics and Automation, 2016, 31, .	0.1	5
113	A method of vision-based navigation for rescue robots using motion information. , 2015, , .		0
114	Robotic grasp detection using extreme learning machine. , 2015, , .		10
115	An improved novel D-P code algorithm of the indoor location. , 2015, , .		0
116	Efficient robot navigation for semi-structured indoor storehouse. , 2015, , .		1
117	Experimental study of optimal Takagi Sugeno fuzzy controller for rotary inverted pendulum. , 2015, , .		3
118	Boss-climbing capability analysis of tracked mobile robot with 6-DOF. , 2015, , .		1
119	Optimization of discrete-time controller applied to DC-DC step-down converter. , 2015, , .		2
120	No-reference blur assessment based on edge modeling. Journal of Visual Communication and Image Representation, 2015, 29, 1-7.	2.8	49
121	Observer based fuzzy LMI regulator for stabilization and tracking control of an aeropendulum. , 2015, , .		4
122	Visual tracking based on compressive sensing and particle filter. , 2015, , .		0
123	Power loss analysis for switched reluctance motor converter by using electrothermal model. IET Power Electronics, 2015, 8, 130-141.	2.1	19
124	The obstacle detection and obstacle avoidance algorithm based on 2-D lidar. , 2015, , .		79
125	PLC controller for hydraulic pressing machine. , 2015, , .		1
126	Design and implementation of a robotic car to recognize traffic signs. , 2015, , .		0

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127	A novel obstacle avoidance strategy of nonholonomic mobile robot based on virtual simulation platform. , 2015, , .		3
128	A navigation system based on vision and motion fusion information using two UFKs. , 2015, , .		1
129	Optimization research of turn-on angle and turn-off angle based on switched reluctance starter/generator system. , 2015, , .		4
130	An interval type-2 fuzzy regulator for magnetic levitation system. , 2015, , .		1
131	Controller design for low-input voltage switching converters having non-minimum phase characteristics. , 2015, , .		4
132	CMOS based single active element PID controllers. , 2015, , .		1
133	A novel adaptive robust control architecture for bilateral teleoperation systems under time-varying delays. International Journal of Robust and Nonlinear Control, 2015, 25, 3349-3366.	3.7	47
134	Comparative Analysis of Analog Controllers for DC-DC Buck Converter. Journal of Automation and Control Engineering, 2015, 3, 447-451.	0.3	2
135	Design and analysis of an autonomous controlled four wheeled land yacht. , 2014, , .		5
136	An improved PID controller for switching converters. , 2014, , .		1
137	Application of a robust fuzzy logic controller with smaller rule base to a DC-DC buck converter. , 2014, , .		1
138	Depth Control with Moving Weight for a Mini Underwater Vehicle. Unmanned Systems, 2014, 02, 391-400.	3.6	0
139	Exploring antarctica using a novel Wind-propelled tumbleweed rover. , 2014, , .		2
140	Advances in Methods for Networked and Cyber-Physical System. Journal of Control Science and Engineering, 2014, 2014, 1-2.	1.0	0
141	Adaptive robust control of bilateral teleoperation systems with unmeasurable environmental force and arbitrary time delays. IET Control Theory and Applications, 2014, 8, 1456-1464.	2.1	23
142	Design and experimental evaluation of a state feedback controller for two wheeled balancing robot. , 2014, , .		4
143	Robust Takagi-Sugeno Fuzzy Speed Regulator for DC Series Motors. , 2014, , .		1
144	Analysis and simulation of kinematics of 5-DOF nuclear power station robot manipulator. , 2014, , .		5

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145	A novel method for traffic sign recognition based on extreme learning machine. , 2014, , .		6
146	Spherical robot linear motion deflection angle compensation. , 2014, , .		0
147	A visual attention based method for detecting traffic signs of interest. , 2014, , .		0
148	Depth adjuster design and control for an underwater vehicle. , 2014, , .		0
149	The obstacle avoidance planning of USV based on improved artificial potential field. , 2014, , .		26
150	Optimal design of a robotic eye based on spherical parallel mechanism by evolutionary strategy algorithm. , 2014, , .		0
151	An active target localization with monocular vision. , 2014, , .		6
152	Modeling of an anti-interference spherical robot for polar region scientific research. , 2014, , .		2
153	Graphical user interface based controller design for switching converters. , 2014, , .		2
154	Wi-Fi positioning based on deep learning. , 2014, , .		14
155	Fuzzy LMI servo controller for uncertain ball and beam system. , 2014, , .		0
156	Face recognition based on KPCA and SVM. , 2014, , .		2
157	Chinese sign language recognition with 3D hand motion trajectories and depth images. , 2014, , .		5
158	Left Ventricular Endocardium Tracking by Fusion of Biomechanical and Deformable Models. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-12.	1.3	2
159	Bhattacharyya distance-based irregular pyramid method for image segmentation. IET Computer Vision, 2014, 8, 510-522.	2.0	0
160	Indoor localization on depth data and digital-piano decoder algorithm (D-PDA). , 2014, , .		1
161	Power loss calculation for the power converter in switched reluctance motor drive. , 2014, , .		4
162	Comparative analysis on performances of adjustable-gain single-neuron PID controllers based on general fuzzy logic and normal cloud model. , 2014, , .		1

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163	Combining features for Chinese sign language recognition with Kinect. , 2014, , .		18
164	Fuzzy logic based control of vibration energy harvesting device for automotive suspension system. , 2014, , .		0
165	Design, simulation and manufacturing of a tracked robot for nuclear accidents. , 2014, , .		10
166	Welcome to ICCSE. , 2014, , .		0
167	IMPROVED VARIABLE-LENGTH PARTICLE SWARM OPTIMIZATION FOR STRUCTURE-ADJUSTABLE EXTREME LEARNING MACHINE. Control and Intelligent Systems, 2014, 42, .	0.3	1
168	MULTI-ROBOT DYNAMIC FORMATION PATH PLANNING WITH IMPROVED POLYCLONAL ARTIFICIAL IMMUNE ALGORITHM. Control and Intelligent Systems, 2014, 42, .	0.3	3
169	Ventricular tachycardia and fibrillation detection by LZ complexity measure. WIT Transactions on Engineering Sciences, 2014, , .	0.0	0
170	Improved poly-clonal artificial immune network for multi-robot dynamic path planning. , 2013, , .		1
171	Planning multi-robot formation with improved poly-clonal artificial immune algorithm. , 2013, , .		0
172	Efficiency analysis of epicyclic gear mechanism of the improved ePaddle mechanism via virtual power. , 2013, , .		4
173	Development and Evaluation of Object-Based Visual Attention for Automatic Perception of Robots. IEEE Transactions on Automation Science and Engineering, 2013, 10, 365-379.	5.2	18
174	Object tracking based on the improved particle filter method using on the bionic eye PTZ. , 2013, , .		0
175	An improved extreme learning machine based on Variable-length Particle Swarm Optimization. , 2013, , .		8
176	Target recognition in different color spaces. , 2013, , .		2
177	Evaluation of genetic algorithm on grasp planning optimization for 3D object: A comparison with simulated annealing algorithm. , 2013, , .		2
178	Design and comparison of type-1 and interval type-2 fuzzy gain scheduling controllers for ball and beam system. , 2013, , .		1
179	Robot Path planning based on improved genetic algorithm. , 2013, , .		5
180	Switched Reluctance Motor Drive With External Rotor for Fan in Air Conditioner. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1448-1458.	5.8	45

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181	Design and comparison of Takagi-Sugeno type-1 and interval type-2 fuzzy logic controllers for posture stabilization of wheeled mobile robot. , 2013, , .		1
182	Robust fault detection for the networked control system with model uncertainty. , 2013, , .		2
183	An interval type-2 fuzzy LQR positioning controller for wheeled mobile robot. , 2013, , .		6
184	On the interval type-2 fuzzy logic control of ball and plate system. , 2013, , .		7
185	Integrity Design for Networked Control Systems with Actuator Failures and Data Packet Dropouts. Journal of Control Science and Engineering, 2013, 2013, 1-9.	1.0	1
186	Mobile Robot Path Planning Using Polyclonal-Based Artificial Immune Network. Journal of Control Science and Engineering, 2013, 2013, 1-13.	1.0	2
187	A weighted matrix algorithm for vision based lane following in autonomous navigation. , 2013, , .		0
188	Disturbance observer based adaptive robust control of bilateral teleoperation systems under time delays. , 2013, , .		0
189	The research on obstacle-surmounting capability of six-track robot with four swing arms. , 2013, , .		8
190	Denoising and tracking of sonar video imagery for underwater security monitoring systems. , 2013, , .		3
191	System design and study of bionic eye based on spherical ultrasonic motor using closed-loop control. , 2013, , .		2
192	An interval type-2 Fuzzy PD controller for ball and beam system. , 2013, , .		2
193	A vision-based mobile robot localization method. , 2013, , .		2
194	A 2D simulator for vision based autonomous road following. , 2013, , .		3
195	Dynamic analysis and control system of spherical robot for polar region scientific research. , 2013, , .		7
196	A Laser Radar based mobile robot localization method. , 2013, , .		3
197	A Jeffrey divergence based irregular pyramid method for pre-attentive visual segmentation. , 2013, , .		0
198	Statistical Classification of Ventricular Tachycardia and Ventricular Fibrillation based on Histogram and Average Absolute Deviation. , 2013, , .		0

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199	ROBUST FAULT DETECTION FOR NETWORKED CONTROL SYSTEMS WITH LONG DELAY AND DATA PACKET DROPOUT. Control and Intelligent Systems, 2013, 41, .	0.3	2
200	Constrained Model-Based Predictive Controller for a High-Frequency Low-Power DC-DC Buck Converter. International Journal on Electrical Engineering and Informatics, 2013, 5, 316-339.	0.5	4
201	Robust Fault-Tolerant Control for Uncertain Networked Control Systems with State-Delay and Random Data Packet Dropout. Journal of Control Science and Engineering, 2012, 2012, 1-7.	1.0	3
202	Extracting left ventricular contour by MVN_CNN, UBN_CNN and region based level set method. , 2012, , .		0
203	Improved Dempster and Shafer theory to fuse region and edge based level set for endocardial contour detection. , 2012, , .		0
204	An automatic method for detecting objects of interest in videos using surprise theory. , 2012, , .		2
205	A Memory-Based Hysteresis Model in Piezoelectric Actuators. Journal of Control Science and Engineering, 2012, 2012, 1-7.	1.0	5
206	Robust fault detection filter for non-linear state-delay networked control system. International Journal of Automation and Control, 2012, 6, 215.	0.5	6
207	Web based teleoperation architecture and H.264 video encoder. , 2012, , .		1
208	Pre-attentive visual segmentation algorithm for cognitive robots. , 2012, , .		0
209	A novel linear switch reluctance generator system. , 2012, , .		2
210	Grasp planning of 3D objects using genetic algorithm. , 2012, , .		6
211	Modeling, simulation and experiment of switched reluctance linear launcher. , 2012, , .		0
212	Decentralized Optimal Fusion Filtering for Multi-Sensor Multi-Delay Singular Systems. Circuits, Systems, and Signal Processing, 2012, 31, 163-176.	2.0	9
213	OUTPUT FEEDBACK FAULT TOLERANT CONTROL FOR NETWORKED CONTROL SYSTEMS WITH RANDOM ACCESS. Control and Intelligent Systems, 2012, 40, .	0.3	1
214	A control continuum for tetherless underwater vehicles. , 2011, , .		0
215	Global Finite-Time Observers for Lipschitz Nonlinear Systems. IEEE Transactions on Automatic Control, 2011, 56, 418-424.	5.7	96
216	Torque and pitch angle control for variable speed wind turbines in all operating regimes. , 2011, , .		18

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