

Jason J Gu

List of Publications by Year in descending order

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278
papers

4,106
citations

201674

27
h-index

149698

56
g-index

279
all docs

279
docs citations

279
times ranked

3846
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-powered soft robot in the Mariana Trench. <i>Nature</i> , 2021, 591, 66-71.	27.8	545
2	Multi-focus image fusion using PCNN. <i>Pattern Recognition</i> , 2010, 43, 2003-2016.	8.1	232
3	An Efficient Method for Traffic Sign Recognition Based on Extreme Learning Machine. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 920-933.	9.5	227
4	Deep Neural Networks for wireless localization in indoor and outdoor environments. <i>Neurocomputing</i> , 2016, 194, 279-287.	5.9	220
5	Integrated adaptive robust control for multilateral teleoperation systems under arbitrary time delays. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 2708-2728.	3.7	185
6	Visual-Tactile Fusion for Object Recognition. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017, 14, 996-1008.	5.2	185
7	RBF-Neural-Network-Based Adaptive Robust Control for Nonlinear Bilateral Teleoperation Manipulators With Uncertainty and Time Delay. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 906-918.	5.8	158
8	RBFNN-Based Adaptive Sliding Mode Control Design for Delayed Nonlinear Multilateral Telerobotic System With Cooperative Manipulation. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 1236-1247.	11.3	110
9	Global Finite-Time Observers for Lipschitz Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 418-424.	5.7	96
10	Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey - Part I. <i>IEEE Access</i> , 2017, 5, 15105-15141.	4.2	94
11	Review of hybrid electric powered aircraft, its conceptual design and energy management methodologies. <i>Chinese Journal of Aeronautics</i> , 2021, 34, 432-450.	5.3	92
12	The obstacle detection and obstacle avoidance algorithm based on 2-D lidar. , 2015, , .		79
13	Multiobjective Optimization Design of a Switched Reluctance Motor for Low-Speed Electric Vehicles With a Taguchi-CSO Algorithm. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 1762-1774.	5.8	66
14	Bilateral Teleoperation Over Networks Based on Stochastic Switching Approach. <i>IEEE/ASME Transactions on Mechatronics</i> , 2009, 14, 539-554.	5.8	63
15	Development of the USV "JingHai"™ and sea trials in the Southern Yellow Sea. <i>Ocean Engineering</i> , 2017, 131, 186-196.	4.3	60
16	A Wall Climbing Robot for Oil Tank Inspection. , 2006, , .		59
17	Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey Part II. <i>IEEE Access</i> , 2017, 5, 24426-24445.	4.2	56
18	No-reference blur assessment based on edge modeling. <i>Journal of Visual Communication and Image Representation</i> , 2015, 29, 1-7.	2.8	49

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19	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
20	Switched Reluctance Motor Drive With External Rotor for Fan in Air Conditioner. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1448-1458.	5.8	45
21	Development of a robotic device for facilitating learning by children who have severe disabilities. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2002, 10, 178-187.	4.9	38
22	Learning to Predict High-Quality Edge Maps for Room Layout Estimation. IEEE Transactions on Multimedia, 2017, 19, 935-943.	7.2	37
23	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
24	Review on vehicle detection based on video for traffic surveillance. , 2008, , .		35
25	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
26	A Feature Descriptor Based on Local Normalized Difference for Real-World Texture Classification. IEEE Transactions on Multimedia, 2018, 20, 880-888.	7.2	32
27	Edge-Semantic Learning Strategy for Layout Estimation in Indoor Environment. IEEE Transactions on Cybernetics, 2020, 50, 2730-2739.	9.5	32
28	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
29	Design and Kinematic Control of the Cable-Driven Hyper-Redundant Manipulator for Potential Underwater Applications. Applied Sciences (Switzerland), 2019, 9, 1142.	2.5	30
30	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
31	An autonomous self contained wall climbing robot for non-destructive inspection of above-ground storage tanks. Industrial Robot, 2007, 34, 122-127.	2.1	28
32	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
33	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
34	The obstacle avoidance planning of USV based on improved artificial potential field. , 2014, , .		26
35	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
36	A Novel Algorithm of Image Gaussian Noise Filtering based on PCNN Time Matrix. , 2007, , .		22

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37	End-to-end multitask Siamese network with residual hierarchical attention for real-time object tracking. Applied Intelligence, 2020, 50, 1908-1921.	5.3	20
38	Power loss analysis for switched reluctance motor converter by using electrothermal model. IET Power Electronics, 2015, 8, 130-141.	2.1	19
39	Torque and pitch angle control for variable speed wind turbines in all operating regimes. , 2011, , .		18
40	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
41	Combining features for Chinese sign language recognition with Kinect. , 2014, , .		18
42	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
43	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
44	Self-Configuration Fuzzy System for Inverse Kinematics of Robot Manipulators. , 2006, , .		17
45	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
46	Efficiency Optimization Strategy for Switched Reluctance Generator System With Position Sensorless Control. IEEE/ASME Transactions on Mechatronics, 2021, 26, 469-479.	5.8	16
47	Wi-Fi positioning based on deep learning. , 2014, , .		14
48	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
49	Set-point tracking of a dc-dc boost converter through optimized PID controllers. , 2016, , .		13
50	Fast Weighted Total Variation Regularization Algorithm for Blur Identification and Image Restoration. IEEE Access, 2016, 4, 6792-6801.	4.2	13
51	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
52	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
53	A Comparative Study on Machine Learning Algorithms for the Control of a Wall Following Robot. , 2019, , .		13
54	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

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55	Correlation-Filter Based Scale-Adaptive Visual Tracking With Hybrid-Scheme Sample Learning. IEEE Access, 2018, 6, 125-137.	4.2	12
56	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
57	RSI-Net: Two-Stream Deep Neural Network for Remote Sensing Images-Based Semantic Segmentation. IEEE Access, 2022, 10, 34858-34871.	4.2	12
58	Event-Triggered Fixed-Time Practical Tracking Control for Flexible-Joint Robot. IEEE Transactions on Fuzzy Systems, 2023, 31, 67-76.	9.8	12
59	Optimized Digital Controllers for Switching-Mode DC-DC Step-Down Converter. Electronics (Switzerland), 2018, 7, 412.	3.1	11
60	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
61	Multivariable Unconstrained Pattern Search Method for Optimizing Digital PID Controllers Applied to Isolated Forward Converter. Energies, 2021, 14, 77.	3.1	11
62	Medical Image Conversion with DICOM. , 2007, , .		10
63	Multiple Sensor Fusion in Mobile Robot Localization. , 2007, , .		10
64	Design, simulation and manufacturing of a tracked robot for nuclear accidents. , 2014, , .		10
65	Robotic grasp detection using extreme learning machine. , 2015, , .		10
66	An Extended State Convergence Architecture for Multilateral Teleoperation Systems. IEEE Access, 2017, 5, 2063-2079.	4.2	10
67	Stereo Vision Based Self-localization of Autonomous Mobile Robots. Lecture Notes in Computer Science, 2008, , 367-380.	1.3	10
68	A new efficient control algorithm using potential field: extension to robot path tracking. , 0, , .		9
69	Microscopic Image Analysis and Recognition On Pathological Cells. , 2007, , .		9
70	Decentralized Optimal Fusion Filtering for Multi-Sensor Multi-Delay Singular Systems. Circuits, Systems, and Signal Processing, 2012, 31, 163-176.	2.0	9
71	Neo-Fuzzy Supported Brain Emotional Learning Based Pattern Recognizer for Classification Problems. IEEE Access, 2017, 5, 6951-6968.	4.2	9
72	A Homotopy Iterative Hard Thresholding Algorithm With Extreme Learning Machine for Scene Recognition. IEEE Access, 2018, 6, 30424-30436.	4.2	9

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73	Time-domain ECG signal analysis based on smart-phone. , 2011, 2011, 2582-5.		8
74	An improved extreme learning machine based on Variable-length Particle Swarm Optimization. , 2013, , .		8
75	The research on obstacle-surmounting capability of six-track robot with four swing arms. , 2013, , .		8
76	Bradycardia and Tachycardia Detection Using a Synthesis-by-Analysis Modeling Approach of Pulsatile Signal. IEEE Access, 2019, 7, 131256-131269.	4.2	8
77	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
78	Evaluation of solid state accelerometer sensor for effective position estimation. , 2011, , .		7
79	On the interval type-2 fuzzy logic control of ball and plate system. , 2013, , .		7
80	Dynamic analysis and control system of spherical robot for polar region scientific research. , 2013, , .		7
81	Self-paced model learning for robust visual tracking. Journal of Electronic Imaging, 2017, 26, 013016.	0.9	7
82	Correlation filter-based self-paced object tracking. , 2017, , .		7
83	A composite state convergence scheme for bilateral teleoperation systems. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1166-1178.	13.1	7
84	ARTIFICIAL IMMUNE NETWORK-BASED MULTI-ROBOT FORMATION PATH PLANNING WITH OBSTACLE AVOIDANCE. International Journal of Robotics and Automation, 2016, 31, .	0.1	7
85	Location tracker for a mobile robot. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	6
86	Sliding mode control of Switched Reluctance linear generator system. , 2009, , .		6
87	Robust fault detection filter for non-linear state-delay networked control system. International Journal of Automation and Control, 2012, 6, 215.	0.5	6
88	Grasp planning of 3D objects using genetic algorithm. , 2012, , .		6
89	An interval type-2 fuzzy LQR positioning controller for wheeled mobile robot. , 2013, , .		6
90	A novel method for traffic sign recognition based on extreme learning machine. , 2014, , .		6

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91	An active target localization with monocular vision. , 2014, , .		6
92	Modeling and Analysis of Protein Synthesis and DNA Mutation Using Colored Petri Nets. IEEE Access, 2018, 6, 22386-22400.	4.2	6
93	RRT-GoalBias and Path Smoothing Based Motion Planning of Mobile Manipulators with Obstacle Avoidance. , 2021, , .		6
94	Active Single Landmark Based Global Localization of Autonomous Mobile Robots. Lecture Notes in Computer Science, 2006, , 202-211.	1.3	6
95	3D Kinematic Simulation for PA10-7C Robot Arm Based on VRML , 2007, , .		6
96	Robust design for bilateral teleoperation system with Markov jumping parameters. , 2007, , .		5
97	Localization of Electrical Outlet for a Mobile Robot Using Visual Servoing. , 2007, , .		5
98	Robust nonlinear predictive control with modeling uncertainties and unknown disturbance for single-link flexible joint robot. , 2008, , .		5
99	Eyes localization in an infrared image. , 2009, , .		5
100	A Memory-Based Hysteresis Model in Piezoelectric Actuators. Journal of Control Science and Engineering, 2012, 2012, 1-7.	1.0	5
101	Robot Path planning based on improved genetic algorithm. , 2013, , .		5
102	Design and analysis of an autonomous controlled four wheeled land yacht. , 2014, , .		5
103	Analysis and simulation of kinematics of 5-DOF nuclear power station robot manipulator. , 2014, , .		5
104	Chinese sign language recognition with 3D hand motion trajectories and depth images. , 2014, , .		5
105	Special issue on fuzzy theoretical model analysis for signal processing. Journal of Intelligent and Fuzzy Systems, 2019, 37, 4407-4411.	1.4	5
106	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
107	Deep Learning Training with Simulated Approximate Multipliers. , 2019, , .		5
108	Artificial Intelligence-Based Controller for DC-DC Flyback Converter. Applied Sciences (Switzerland), 2019, 9, 5108.	2.5	5

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109	Economical optimization of grid power factor using predictive data. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 258-267.	13.1	5
110	A recognition method for extreme bradycardia by arterial blood pressure signal modeling with curve fitting. Physiological Measurement, 2020, 41, 074002.	2.1	5
111	COMPRESSIVE SENSING WITH WEIGHTED LOCAL CLASSIFIERS FOR ROBOT VISUAL TRACKING. International Journal of Robotics and Automation, 2016, 31, .	0.1	5
112	Brain Image Registration Based on Entropy of Mutual Information Matrix. , 2007, , .		4
113	Brainwave Classification Based on Wavelet Entropy and Event-Related Desynchronization. , 2007, , .		4
114	Control gain design for bilateral teleoperation systems using linear matrix inequalities. , 2007, , .		4
115	A survey on real-time controlled multi-fingered robotic hand. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	4
116	Efficiency analysis of epicyclic gear mechanism of the improved ePaddle mechanism via virtual power. , 2013, , .		4
117	Design and experimental evaluation of a state feedback controller for two wheeled balancing robot. , 2014, , .		4
118	Power loss calculation for the power converter in switched reluctance motor drive. , 2014, , .		4
119	Observer based fuzzy LMI regulator for stabilization and tracking control of an aeropendulum. , 2015, , .		4
120	Optimization research of turn-on angle and turn-off angle based on switched reluctance starter/generator system. , 2015, , .		4
121	Controller design for low-input voltage switching converters having non-minimum phase characteristics. , 2015, , .		4
122	Design of Three Phase Solid State Transformer Deployed within Multi-Stage Power Switching Converters. Applied Sciences (Switzerland), 2019, 9, 3545.	2.5	4
123	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
124	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
125	Position-Based Visual Servoing Control for Multi-Joint Hydraulic Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, .	3.4	4
126	Internet roundtrip delay prediction using the maximum entropy principle. Journal of Communications and Networks, 2003, 5, 65-72.	2.6	3

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127	Simulation study of artificial ocular movement with intelligent control. Control Engineering Practice, 2005, 13, 509-518.	5.5	3
128	Bilateral Teleoperation of Robotic Systems with Predictive Control. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	3
129	Non-Invasive Measurement of Arterial Pressure-Dependent Compliance. , 2007, , .		3
130	A Stable Tele-Robotic Neurosurgical System Based on SMC. , 2007, , .		3
131	Regulation control of underactuated mechanical systems based on a new matching equation of port-controlled hamiltonian systems. , 2009, , .		3
132	MVN_CNN and UBN_CNN for endocardial edge detection. , 2011, , .		3
133	Interpretation of coarse-graining of Lempel-Ziv complexity measure in ECG signal analysis. , 2011, 2011, 2716-9.		3
134	Design and development of fuzzy logic operated smart motorized wheelchair. , 2011, , .		3
135	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
136	Denoising and tracking of sonar video imagery for underwater security monitoring systems. , 2013, , .		3
137	A 2D simulator for vision based autonomous road following. , 2013, , .		3
138	A Laser Radar based mobile robot localization method. , 2013, , .		3
139	Experimental study of optimal Takagi Sugeno fuzzy controller for rotary inverted pendulum. , 2015, , .		3
140	A novel obstacle avoidance strategy of nonholonomic mobile robot based on virtual simulation platform. , 2015, , .		3
141	IRobot self-localization using EKF. , 2016, , .		3
142	Image deblurring by generalized total variation regularization and least squares fidelity. , 2016, , .		3
143	Transparent fuzzy bilateral control of a nonlinear teleoperation system through state convergence. , 2016, , .		3
144	A Time-Delayed Multi-Master-Single-Slave Non-Linear Tele-Robotic System Through State Convergence. IEEE Access, 2018, 6, 5447-5459.	4.2	3

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145	Gait-Event-Based human intention recognition approach for lower limb. , 2018, , .		3
146	Improved Path Planning for Mobile Robot Based on Firefly Algorithm. , 2019, , .		3
147	Depth-Aware Object Tracking With a Conditional Variational Autoencoder. IEEE Access, 2021, 9, 94537-94547.	4.2	3
148	Exploiting Probabilistic Siamese Visual Tracking with a Conditional Variational Autoencoder. , 2021, , .		3
149	MULTI-ROBOT DYNAMIC FORMATION PATH PLANNING WITH IMPROVED POLYCLONAL ARTIFICIAL IMMUNE ALGORITHM. Control and Intelligent Systems, 2014, 42, .	0.3	3
150	Teleoperation of a Mobile Robot using Predictive Control Approach. , 2006, , .		2
151	Using Tele-robotic Skull Drill for Neurosurgical Applications. , 2006, , .		2
152	Normalized I-Alpha-Information for Medical Image Registration. , 2007, , .		2
153	Design and implementation on software platform of emergency management system for traffic incidents. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	2
154	Neural Q-learning in motion planning for mobile robot. , 2009, , .		2
155	Guest Editorial: Introduction to the Focused Section on Healthcare Mechatronics. IEEE/ASME Transactions on Mechatronics, 2010, 15, 165-169.	5.8	2
156	MVN_CNN and FCNN for endocardial edge detection. , 2011, , .		2
157	An automatic method for detecting objects of interest in videos using surprise theory. , 2012, , .		2
158	A novel linear switch reluctance generator system. , 2012, , .		2
159	Target recognition in different color spaces. , 2013, , .		2
160	Evaluation of genetic algorithm on grasp planning optimization for 3D object: A comparison with simulated annealing algorithm. , 2013, , .		2
161	Robust fault detection for the networked control system with model uncertainty. , 2013, , .		2
162	Mobile Robot Path Planning Using Polyclonal-Based Artificial Immune Network. Journal of Control Science and Engineering, 2013, 2013, 1-13.	1.0	2

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163	System design and study of bionic eye based on spherical ultrasonic motor using closed-loop control. , 2013, , .		2
164	An interval type-2 Fuzzy PD controller for ball and beam system. , 2013, , .		2
165	A vision-based mobile robot localization method. , 2013, , .		2
166	Exploring antarctica using a novel Wind-propelled tumbleweed rover. , 2014, , .		2
167	Modeling of an anti-interference spherical robot for polar region scientific research. , 2014, , .		2
168	Graphical user interface based controller design for switching converters. , 2014, , .		2
169	Face recognition based on KPCA and SVM. , 2014, , .		2
170	Left Ventricular Endocardium Tracking by Fusion of Biomechanical and Deformable Models. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-12.	1.3	2
171	Optimization of discrete-time controller applied to DC-DC step-down converter. , 2015, , .		2
172	Central pattern generator based crawl gait control for quadruped robot. , 2016, , .		2
173	State convergence based bilateral control of nonlinear teleoperation system represented by TS fuzzy models. , 2016, , .		2
174	Mathematical Modeling and Intelligent Algorithm for Multirobot Path Planning. Mathematical Problems in Engineering, 2017, 2017, 1-2.	1.1	2
175	State Convergence Based Design of a Single-Master-Multi-Slave Nonlinear Teleoperation System. , 2018, , .		2
176	Weld Seam Detection Method with Rotational Region Proposal Network. , 2019, , .		2
177	A Novel Control Design of Bilateral Teleoperation System with Fuzzy Logic based General Environments. , 2019, , .		2
178	Expanded Neo-Fuzzy Adaptive Decayed Brain Emotional Learning Network for Online Time Series Predication. IEEE Access, 2021, 9, 65758-65770.	4.2	2
179	Adaptive robust fault detection and control for injection machine mold closing process with accurate parameter estimations. , 2021, , .		2
180	A Composite State Convergence Scheme for Multilateral Teleoperation Systems. Studies in Informatics and Control, 2021, 30, 33-42.	1.2	2

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181	Comparative Analysis of Analog Controllers for DC-DC Buck Converter. Journal of Automation and Control Engineering, 2015, 3, 447-451.	0.3	2
182	ROBUST FAULT DETECTION FOR NETWORKED CONTROL SYSTEMS WITH LONG DELAY AND DATA PACKET DROPOUT. Control and Intelligent Systems, 2013, 41, .	0.3	2
183	Design of a Composite State Convergence Controller for a Nonlinear Telerobotic System. Acta Polytechnica Hungarica, 2019, 16, 157-172.	2.9	2
184	Force and Microstructure Variation of SLM Prepared AlMgSc Samples during Three-Point Bending. Materials, 2022, 15, 437.	2.9	2
185	Buffering Performance Analysis of an Ostrich-like Leg Based on a Seven-Link Parallel Mechanism. Machines, 2022, 10, 306.	2.2	2
186	Control and data transmission for Internet robots. , 0, , .		1
187	A New Extended LMIs Approach for Continuous-time Multiobjective Controllers Synthesis. , 2006, , .		1
188	Robust mixed H_2 and H_∞ control of time-varying delay systems with extended LMI. , 2007, , .		1
189	Stabilize Uncertain Linear Systems Under Time-varying Exogenous Disturbance Using Finite Time Control. , 2007, , .		1
190	Short Time Control of Uncertain Singular Systems with Norm-bounded Disturbance. , 2007, , .		1
191	Mean Divergence Measures for Multimodality Medical Image Registration. , 2007, , .		1
192	Posture Stabilization of Manipulator Based on Rotation Platform. , 2007, , .		1
193	Multi-criteria kinematics control for the PA10-7C robot arm with robust singularities. , 2007, , .		1
194	Designs on Simulation Platform of Traffic Emergency Management System. , 2008, , .		1
195	Stochastic Switching Approach of Bilateral Teleoperation Systems: Part I - Theory. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3731-3736.	0.4	1
196	Optimized planar grasping synthesis algorithm for multi-fingered robotic hand. , 2009, , .		1
197	Simulation of Switched Reluctance machine with the operation at four-quadrant. , 2010, , .		1
198	Fuzzy inference system for endocardial edge detection. , 2010, , .		1

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199	An innovative cost effective approach towards tension control in automated filament winding composite manufacturing. , 2011, , .		1
200	Web based teleoperation architecture and H.264 video encoder. , 2012, , .		1
201	Improved poly-clonal artificial immune network for multi-robot dynamic path planning. , 2013, , .		1
202	Design and comparison of type-1 and interval type-2 fuzzy gain scheduling controllers for ball and beam system. , 2013, , .		1
203	Design and comparison of Takagi-Sugeno type-1 and interval type-2 fuzzy logic controllers for posture stabilization of wheeled mobile robot. , 2013, , .		1
204	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
205	An improved PID controller for switching converters. , 2014, , .		1
206	Application of a robust fuzzy logic controller with smaller rule base to a DC-DC buck converter. , 2014, , .		1
207	Robust Takagi-Sugeno Fuzzy Speed Regulator for DC Series Motors. , 2014, , .		1
208	Indoor localization on depth data and digital-piano decoder algorithm (D-PDA). , 2014, , .		1
209	Comparative analysis on performances of adjustable-gain single-neuron PID controllers based on general fuzzy logic and normal cloud model. , 2014, , .		1
210	Efficient robot navigation for semi-structured indoor storehouse. , 2015, , .		1
211	Boss-climbing capability analysis of tracked mobile robot with 6-DOF. , 2015, , .		1
212	PLC controller for hydraulic pressing machine. , 2015, , .		1
213	A navigation system based on vision and motion fusion information using two UFKs. , 2015, , .		1
214	An interval type-2 fuzzy regulator for magnetic levitation system. , 2015, , .		1
215	CMOS based single active element PID controllers. , 2015, , .		1
216	Fuzzy bilateral control of time delayed nonlinear tele-robotic system in unknown environments through state convergence. , 2016, , .		1

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217	Compensation of the nonlinearities present in the digital control loop. , 2016, , .		1
218	LQR controller for robotic skull drilling system. , 2017, , .		1
219	Modeling and analysis of DNA mutation type based on colored Petri net. , 2017, , .		1
220	Problems in constructing a discrete-time controller using frequency response plots in w-plane. , 2017, , .		1
221	An enhanced wave-variable based four-channel bilateral teleoperation control design. , 2018, , .		1
222	Design of Dual-Master-Dual-Slave Teleoperation System through State Convergence. , 2019, , .		1
223	IMPROVED VARIABLE-LENGTH PARTICLE SWARM OPTIMIZATION FOR STRUCTURE-ADJUSTABLE EXTREME LEARNING MACHINE. Control and Intelligent Systems, 2014, 42, .	0.3	1
224	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
225	OUTPUT FEEDBACK FAULT TOLERANT CONTROL FOR NETWORKED CONTROL SYSTEMS WITH RANDOM ACCESS. Control and Intelligent Systems, 2012, 40, .	0.3	1
226	PATH PLANNING-ORIENTED OBSTACLE AVOIDING WORKSPACE MODELLING FOR ROBOT MANIPULATOR. International Journal of Robotics and Automation, 2019, 34, .	0.1	1
227	A PSO-TUNED FUZZY LOGIC SYSTEM FOR POSITION TRACKING OF MOBILE ROBOT. International Journal of Robotics and Automation, 2019, 34, .	0.1	1
228	Intelligent Obstacle Avoidance Controller for QBot2. IFAC-PapersOnLine, 2022, 55, 120-125.	0.9	1
229	Bilateral Teleoperation Control of a Bipedal Robot Gait Using a Manipulator. IFAC-PapersOnLine, 2022, 55, 765-770.	0.9	1
230	Trajectory Planning for Tele-Robotic Skull Drill System. , 2006, , .		0
231	A robust traffic state parameters extract approach based on video for traffic surveillance. , 2008, , .		0
232	Multi-thread technology based autonomous underwater vehicle. , 2010, , .		0
233	Image-based grasp synthesis using Genetic Algorithm. , 2010, , .		0
234	Robust cascaded feedback linearizing control of nonholonomic mobile robot. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
235	A control continuum for tetherless underwater vehicles. , 2011, , .		0
236	Extracting left ventricular contour by MVN_CNN, UBN_CNN and region based level set method. , 2012, , .		0
237	Improved Dempster and Shafer theory to fuse region and edge based level set for endocardial contour detection. , 2012, , .		0
238	Pre-attentive visual segmentation algorithm for cognitive robots. , 2012, , .		0
239	Modeling, simulation and experiment of switched reluctance linear launcher. , 2012, , .		0
240	Planning multi-robot formation with improved poly-clonal artificial immune algorithm. , 2013, , .		0
241	Object tracking based on the improved particle filter method using on the bionic eye PTZ. , 2013, , .		0
242	A weighted matrix algorithm for vision based lane following in autonomous navigation. , 2013, , .		0
243	Disturbance observer based adaptive robust control of bilateral teleoperation systems under time delays. , 2013, , .		0
244	A Jeffrey divergence based irregular pyramid method for pre-attentive visual segmentation. , 2013, , .		0
245	Depth Control with Moving Weight for a Mini Underwater Vehicle. Unmanned Systems, 2014, 02, 391-400.	3.6	0
246	Advances in Methods for Networked and Cyber-Physical System. Journal of Control Science and Engineering, 2014, 2014, 1-2.	1.0	0
247	Spherical robot linear motion deflection angle compensation. , 2014, , .		0
248	A visual attention based method for detecting traffic signs of interest. , 2014, , .		0
249	Depth adjuster design and control for an underwater vehicle. , 2014, , .		0
250	Optimal design of a robotic eye based on spherical parallel mechanism by evolutionary strategy algorithm. , 2014, , .		0
251	Fuzzy LMI servo controller for uncertain ball and beam system. , 2014, , .		0
252	Bhattacharyya distance based irregular pyramid method for image segmentation. IET Computer Vision, 2014, 8, 510-522.	2.0	0

#	ARTICLE	IF	CITATIONS
253	Fuzzy logic based control of vibration energy harvesting device for automotive suspension system. , 2014, , .		0
254	Welcome to ICCSE. , 2014, , .		0
255	A method of vision-based navigation for rescue robots using motion information. , 2015, , .		0
256	An improved novel D-P code algorithm of the indoor location. , 2015, , .		0
257	Visual tracking based on compressive sensing and particle filter. , 2015, , .		0
258	Design and implementation of a robotic car to recognize traffic signs. , 2015, , .		0
259	Fuzzy state convergence based bilateral control of a tele-robotic system in unknown environments. , 2016, , .		0
260	A scene recognition method using sparse features with layout-sensitive pooling and extreme learning machine. , 2016, , .		0
261	Dynamic k-coverage planning for multiple events with mobile robots. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771079.	2.1	0
262	Global Stabilization of High-Order Stochastic Nonlinear Systems Disturbed by Unknown Covariance Noise and Time-Varying Delay. , 2018, , .		0
263	Adaptive Control of Teleoperation System with RISE Feedback. , 2018, , .		0
264	An enhanced state convergence architecture incorporating disturbance observer for bilateral teleoperation systems. International Journal of Advanced Robotic Systems, 2019, 16, 172988141988005.	2.1	0
265	Simple High-Order Sliding Mode Controller Design Subject to Uncertainties Bounded by Positive Functions. , 2019, , .		0
266	An Improved Local Dynamic Path Planning Algorithm for Autonomous Driving. , 2019, , .		0
267	RBFNN-based Bilateral Control Design for Delayed Nonlinear Teleoperation System With General Environments. , 2019, , .		0
268	Design and Gait Realization of Power-assisted Lower Limbs Exoskeleton. , 2019, , .		0
269	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
270	Adaptive Robust Control of Tele-operated Master-Slave Manipulators with Communication Delay. Smart Innovation, Systems and Technologies, 2022, , 123-140.	0.6	0

#	ARTICLE	IF	CITATIONS
271	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
272	Statistical Classification of Ventricular Tachycardia and Ventricular Fibrillation based on Histogram and Average Absolute Deviation. , 2013, , .		0
273	Ventricular tachycardia and fibrillation detection by LZ complexity measure. WIT Transactions on Engineering Sciences, 2014, , .	0.0	0
274	MODULAR DESIGN OF NEUROSURGICAL ROBOTIC SYSTEM. International Journal of Robotics and Automation, 2018, 33, .	0.1	0
275	A Novel Multilateral Control Design for Delayed Nonlinear Teleoperation System With RBFNN-based Environments. IFAC-PapersOnLine, 2020, 53, 10070-10075.	0.9	0
276	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
277	Fraud Prediction in Pakistani E-commerce Market. , 2021, , .		0
278	Teleoperation of Multi-Degrees-of-Freedom Manipulator through Composite State Convergence Scheme. IFAC-PapersOnLine, 2022, 55, 126-130.	0.9	0